

MINCZEWSKI, Jerzy; SKORO-TRYBULA, Zofia

Reactions of 2-bromothiophene-3-hydroxamic acid with vanadium (V) and iron (III). Chem anal 5 no.1:163-165 '60. (EAI 9:11)

1. Katedra Chemii Analitycznej Politechniki Warszawskiej  
(Vanadium) (Iron) (Hydroxamic acids)  
(Bromothiophene)

MINCZEWSKI, Jerzy; MALINOWSKI, Jerzy; JANKOWSKA, Teresa

On a method of the determination of uranium. Nukleonika 5 no.3:  
115-122 '60.

1. Analytische Abteilung des Institutes für Kernforschung der  
Polnischen Akademie der Wissenschaften, Warszawa.

MINCZEWSKI, Jerzy; ZMIJEWSKA, Wanda

Remarks on the behavior of diphenylcarbazone as an analytic reagent. Chem anal 5 no.3:429-433 '60. (EEAI 10:8)

1. Zaklad Chemii Analitycznej Instytutu Badan Jadrowych PAN, Warszawa.  
(Phenylazoformic acid phenylhydrazide)

MARCZENKO, Zygmunt; MINCZEWSKI, Jerzy

Formaloxime as an analytic reagent. Chem anal 5 no.3:515-517  
'60. (EEAI 10:8)

1. Katedra Chemii Analitycznej Politechniki, Warszawa.  
(Formaldehyde oxime)

MINCZENSKI, Jerzy; FOLDZINSKA, Aleksandra

Chromatographic microdetermination of copper, nickel, zinc, and  
cadmium. Chem anal 5 no.4:575-580 '60. (KEAI 10:9)

1. Department of Analytical Chemistry Institute of Nuclear Research,  
Polish Academy of Sciences, Warszawa.

(Chromatography) (Copper) (Nickel) (Zinc)  
(Cadmium)

MARCZENKO, Zygmunt mgr inż.; MINCZEWSKI, Jerzy

Formaldoxime as an analytical reagent. I. Autoxidation of formaldoxime; complexation of metals. Chem anal 5 no.5:747-762 '60.  
(EAI 10:9)

1. Katedra Chemii Analitycznej Politechniki Warszawskiej, Zakład Analityczny Instytutu Chemii Ogólnej, Warszawa.

(Formaldehyde oxime) (Oxidation) (Complex compounds)  
(Metals)

CZAKOW, Julian; MINCZEWSKI, Jerzy

Spectral analysis by means of a sifter electrode. II. The influence of alkali halides on excitation. Chem anal 5 no.6:862-874 '60.  
(EEAI 10:9)

1. Department of Analytical Chemistry, Institute of Nuclear Research, Warsaw.

(Spectrum analysis) (Electrodes) (Alkali metal halides)

MARCZENKO, Zygmunt; MINCZEWSKI, Jerzy

Formaldehyde as an analytical reagent. II. Colorimetric determination of cerium. Chem anal 5 no.6:903-916 '60. (EEAI 10:9)

1. Department of Analytical Chemistry, Politechnika, Warsaw and Analytical Department, Institute of General Chemistry, Warsaw.

(Formaldehyde oxime) (Chemical tests and reagents)  
(Cerium) (Colorimetry)



RADWAN, Zofia; STRZYZEWSKA, Bozena; MINCZEWSKI, Jerzy

Spectrographic determination of trace amounts of rare earths. I.  
Chem anal 5 no.6:935-949 '60. (EEAI 10:9)

1. Department of Analytical Chemistry, Institute of Nuclear Research,  
Polish Academy of Sciences, Warsaw.

(Earths, Rare) (Spectrum analysis)

P/046/60/005/011/017/018  
D249/D303

AUTHORS: Minczewski, J., and Żmijewska, W.

TITLE: On the reaction of chromates with diphenylcarbazide

PERIODICAL: Nukleonika, v. 5, no. 11, 1960, 790

TEXT: (Abstract - Report No. 153/VII (IBJ - Institute of Nuclear Research, PAS)): Reactions of Cr(VI) with diphenylcarbazide (DPCD) and Cr (II) with diphenylcarbazone (DPCN) have been investigated spectrophotometrically and by potentiometric titration. The investigation concerned the reaction mechanism ~~in~~ the presence of excess reagents, conditions of extraction of the colored product, and the behavior of DPCN in solutions of organic and mineral acids. A mechanism is proposed for the reactions. [Abstractor's note: Complete translation]. ✓

Card 1/1

MINCHEVSKIY, Ye. [Minczewski, J.]

Titration in nonaqueous medium. Zhur.anal.khim. 15 no.2:151-154  
Mr-Ap '60. (MIRA 13:7)

1. Tekhnologicheskii institut i Institut yadernykh issledovaniy  
Pol'skoy AN, Varshava (Pol'sha).  
(Titration)

MINCZENSKI, Jerzy; STOLARCZYK, Urszula; MARCZENKO, Zygmunt

Colorimetric determination of traces of indium in silicate minerals  
by means of dithizone and 5,7-dibromo-8-hydroxyquinoline. Chem anal 6  
no.1:51-62 '61. (EAI 10:7)

1. Department of Analytical Chemistry, Politechnika, Warsaw.

(Colorimetry) (Indium) (Silicates) (Dithizone)  
(Dibromoquinolinal)

JASKOLSKA, Halina; MINCZEWSKI, Jarzy

Determination of gallium and indium by the method of neutron activation. Chem anal 6 no.2:149-159 '61. (EEAI 10:9)

1. Department of Analytical Chemistry, Institute of Nuclear Research, Polish Academy of Sciences, Warsaw.

(Gallium) (Indium) (Neutrons)

MINCZEWSKI, Jerzy; DYBCZYNSKI, Rajmund

Anion exchange behavior of the rare-earth complexes with ethylenediaminetetraacetic acid. Chem anal 6 no.2:275-277 '61.

(EEAI 10:9)

1. Department of Analytical Chemistry, Institute of Nuclear Research, Polish Academy of Sciences.

(Ethylenedinitrilotetraacetic acid) (Anion exchange)

MINCZENSKI, Jerzy; SKORKO-TRYBULA, Zofia

Reaction of vanadium (V) with nicotinehydroxamic acid. A spectrophotometric study and analytical application. Chem anal 6 no.3:377-386 '61.

1. Department of Analytical Chemistry, Politechnic, Warsaw.

MINCZEWSKI, Jerzy; CHWASTOWSKA, Jadwiga

Determination of impurities in very pure chromium. I. Determination of silicon and iron. Chem anal. 6 no.5:715-723 '61.

1. Department of Analytical Chemistry, Politechnical College, Warsaw.



MINCZEWSKI, Jerzy; DYBCZYNSKI, Rajmund.

Application of the normal distribution to the quantitative evaluation of elution curves. Separation of lanthanide complexes of ethylenediaminetetraacetic acid on anion exchange resins. Chem anal 6 no.5: 725-739 '61.

1. Department of Analytical Chemistry, Institute of Nuclear Research, Polish Academy of Sciences, Warsaw.

MINCZEWSKI, Jerzy; WASOWICZ, Stanislaw; DANCEWICZ, Danuta

Determination of oxygen in metallic sodium. Chem anal 6 no.5:741-747  
'61.

1. Department of Analytical Chemistry, Institute of Nuclear Research,  
Polish Academy of Sciences, Warsaw.

MINCZEWSKI, Jerzy; STOLARCZYK, Urszula

Spectrophotometric determination of indium with phenylfluorone. Chem  
anal 6 no.5:887 '61.

1. Department of Analytical Chemistry, Polytechnical College, Warsaw.

44866

S/081/62/000/024/030/073  
B193/B186

55310

AUTHORS: Radwan, Zofia, Strzyżewska, Bożena, Minczewski, Jerzy

TITLE: The spectral determination of trace quantities of rare earth elements by a fractional distillation method

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 24, 1962, 232, abstract 24D101 (Chem. analit. (Polska), v. 6, no. 6, 1961, 959-967 [Pol.; summary in Eng.]) ✓

TEXT: A method of spectral determination of Eu, La, Y, Nd, Pr, Sm in 5 N HCl solutions is described. The solution to be analyzed, with a volume 2 ml + 1 ml  $Zr(NO_3)_4$  solution containing 10  $\mu$ /ml Zr, is evaporated at 200° with 1 g powdered graphite. 2% CsF as carrier is then added to the powder and the mixture is ground in an agate mortar for 20 min. A sample (40 mg) is placed in the channel of a graphite electrode 8 mm deep and 3.2 mm in diam. The upper electrode terminates in a cone (20°). The spectra are excited in a d-c arc (6 a) with anode operation. The electrode spacing is 5 mm. The spectra are photographed for 15 sec with a mixture of 80% Card 1/2

The spectral determination ...

S/081/62/000/024/030/073  
B193/B186

O<sub>2</sub> + 20% Ar at a pressure of 60 mm water col. flowing through the spark gap. An MCP-51 (ISP-51) spectrograph with a УФ-84 (UF-84) chamber is used for recording the spectra. Width of slit 15 μ. Spectral lines: Eu 3907.11, La 3949.11, Y 3950.36, Nd 4012.25, Pr 4222.98, Sm 4280.78 Å. Comparison line Zr 3991.13 Å. Absolute sensitivity of the method 2·10<sup>-2</sup> γ La and Y, 4·10<sup>-2</sup> γ Eu, Pr, Nd and Sm. Reproducibility of the results ~12%.  
[Abstracter's note: Complete translation.]

Card 2/2

MINCZEWSKI, Jerzy, prof. dr.

"The methods of analytical chemistry. Quantitative mineral analysis" by Gaston Charlot. Reviewed by Jerzy Minczewski. Chem anal 6 no.6:1073-1074 '61.

1. Head of the Department of Analytical Chemistry, Institute of Nuclear Research, Polish Academy of Sciences, Warsaw.

21.2100

25377  
S/089/61/011/001/006/010  
B102/B214

AUTHOR: Minczewski, Jeszi

TITLE: Analysis of reactor fuel and reactor materials in the Department of Analytical Chemistry of the Institute of Nuclear Research of the Polish Academy of Sciences

PERIODICAL: Atomnaya energiya, v. 11, no. 1, 1961, 46 -55

TEXT: This paper presents a report on several analytical studies of nuclear fuels and reactor materials carried out during the last five years in the Department of Analytical Chemistry of the Nuclear Research Institute. The following is discussed in detail: Methods of uranium determination specially suitable for quantitative determination of small quantities. Spectroscopic methods; Investigations of Z. Radwan and B. Strzyżewska (Chem. Anal., 3, 737 (1958)), J. Czakov (Chem. Anal. 5, 35 and 863 (1960)), C. Feldmann and J. Ellenburg (Analyt. Chem. 27, 1714 (1955)), V. V. Nedler ("Zavodsk. laboratoriya" 21, 1056 (1955)), A. K. Rusanov and T. I. Tarasova ("Zh. anal. khim.", 10, 267 (1955)), etc. are discussed. In working with d.c. arcs and using molybdenum as inner

Card 1/3

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S/089/61/011/001/006/010  
B102/B214

Analysis of reactor fuel ...

standard in an atmosphere of oxygen with argon, accuracies of  $\pm 2.8\%$  were obtained in the uranium determination when the uranium content was  $10^{-3}$ - $10^{-1}\%$ . A disadvantage of the method is the necessity to use different standards for all kinds of ores and different standards even for those different extracting agents. Spectrophotometric methods: Investigations of L. Wódkiewicz (Chem. Anal. 3, 789 (1958)) as well as of J. Malinowski (Otchet IYaI, Z VIII/III-2-8 (1959), A. Fołdzińska (Otchet IYaI. Z. VIII/II-2-1 (1957), J. Malinowski (Otchet IYaI, Ch VIII/I-4b (1958), etc. The different methods are compared with one another. Reference is made to the good results obtained when tributyl phosphate and diethyl-dithiocarbonate were used for the extraction and cellulose column is employed; the express thiocyanate method is suitable only for rough estimates. The reliability of the usual carbonate method depends very much on the experimental conditions. The fluorometric method (L. Wódkiewicz. Chem Anal., 5, 985 (1960)) is very sensitive (good results for uranium concentration of  $10^{-8}\%$ ), but the accuracy depends on the purity of the reagents. Electrochemical methods: Investigations of A. Sobkowska (Otchet IYaI VNA/II-3-1 (1956) and Z. VIII/I-4c (1958)), W. Czarnecka, A. Węglarczyk (Otchet Card 2/3



25377

S/089/61/011/001/006/010  
B102/B214

Analysis of the reactor fuel ...

IYaI, Z. VIII/I-4e (1958), etc. Volumetric methods; The Volkov method is specially mentioned, i. e. the titration of uranium (IV) phosphate by ammonium vanadate in the presence of phenylanthranilic acid. Determination of impurities in traces: Determination of the purity of uranium and its compounds; investigations of S. L. Mandel'shtam et al. (Zh. anal. khim. 11, 1, (1956), J. Czakow et al. (Chem. Anal., 3, 753 (1958)), etc.; methods of boron determination; investigations of J. Czakow, T. Steciak. (Chem. Anal. 2, 426 (1957) and 3, 3 (1958)) as well as of T. Nowicka-Jankowska, H. Szyszko (Chem. Anal. 3, 969 (1958)), etc.; methods of gallium and indium determination (J. Minczewski, H. Maleszewska, T. Steciak. Acta Chim. Ac. Sci. Hung., 28, 91, (1961)); methods of separation and determination of rare earths (I. Krawczyk. Nukleonika, 5, 649 (1960); J. Minczewski, R. Dybczynski. Chem. Anal. 6, 279 (1961); Z. Radwan et al. Acta. Ac. Sci. Hung., 28, 49 (1961), etc.). Finally, some other methods are mentioned. [Abstracter's note: The entire material of this paper has been published elsewhere.] There are 2 figures, 4 tables, and 66 references: 29 Soviet-bloc and 37 non-Soviet-bloc.

SUBMITTED: November 29, 1960

Card 3/3

MINCHEVSKI, Ye.; FRYDEL', Ya.; MARCHENKO, Z.

Rapid method of determining barium in glasses. Zav.lab. 27 no.3:277-  
279 '61. (MIRA 14:3)

1. Varshavskiy tekhnologicheskii institut.  
(Barium—Analysis) (Glass)

RADWAN, Zofia (Warszawa 9, (Zeran), ut. Dorodna 16)); STRYZEWSKA, Bożena  
(Warszawa 9, (Zeran), ut. Dorodna 16)); MINCZEWSKI, Jerzy, prof., dr.  
(Warszawa 9, (Zeran), ut. Dorodna 16))

Spectrographic determination of rare earth traces. Acta chimica Hung  
28 no.1/3:49-58 '61. (EEAI 10:9)

1. Institut für Kernforschung der Polnischen Akademie der Wissen-  
schaften, Warszawa.

(Earths, Rare) (Spectrum analysis)

S/081/62/000/003/032/090  
B156/B102

AUTHORS: Minczewski, J., Maleszewska, H., Steciak, T.

TITLE: Spectroscopic determination of gallium and indium after extraction

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 3, 1962, 146, abstract 3D67 (Acta chim. Acad. scient. hung., v. 28, nos. 1-3, 1961, 91-102)

TEXT: A method has been developed for the chemical-spectroscopic determination of Ga and In in ores and minerals. Depending on the type of ore, specimens are dissolved in different acids and transferred into a 0.06 N solution of HCl. From this solution they are extracted by means of iron  $\alpha$ -nitroso- $\beta$ -naphthol, the Fe 4032.63 Å line of which is superimposed on the Ga 4032.98 Å analysis line. The remaining solution is evaporated off, and the residue dissolved in a small amount of H<sub>2</sub>O, and the In and Ga extracted from it by means of 10 ml of 0.1 M solution of 8-oxyquinoline in chloroform. The extract obtained is analyzed spectroscopically. For this purpose, it is added drop by drop to 75 mg of graphite powder (grain size Card 1/2

Spectroscopic determination ...

S/081/62/000/003/032/090  
B156/B102

0.06 mm) containing  $10^{-4}\%$  Co as internal standard. To the powder are added 20 mg of RbCl, which weakens the CN bands in the spectra, and 5 mg of  $\text{NH}_4\text{NO}_3$ , which makes the powder more free-flowing. The spectra are excited by a combination of a 6 a d-c arc discharge and a spark discharge (inductance 0, capacitance 12 pF) from a Feissner generator. The upper screen-like electrode, and the lower flat-ended electrode, are made of copper. The analysis gap is 5 mm. Exposure time is 25 sec. An O-24 (O-24) spectrograph, with 3-lens illumination of a 4  $\mu$  wide slot, is used. Calibration graphs are plotted using artificial standards for 0.5-10  $\gamma$  for Ga and In per ml of extract. The analysis line pairs are Ga 4032.98 - Co 3952.3  $\text{\AA}$  and In 4101.77 - Co 3952.3  $\text{\AA}$ . Sensitivity of determination is  $\sim 0.3 \gamma/\text{ml}$ . With spectra photographed three times, the error characterizing the reproducibility of the determination results is 6%. With Al, Tl, Ni, Cu, Mo, Sn, and Bi present in proportions of 1 : 1 - 1 : 10, the intensity of the Ga and In decreases (except for Sn and Bi at proportions of 1 : 1). [Abstracter's note: Complete translation.]

Card 2/2

MARCZENKO, Zygmunt; MINCZEWSKI, Jerzy

A study of the complexes of formaldehyde with manganese, nickel, iron, and cerium. *Rocz. chemii* 35 no.5:1223-1235 '61.

1. Department of Analytical Chemistry, Institute of Technology, Warsaw.

S/081/62/000/019/008/053  
B144/B180

AUTHORS: Minczewski, Jerry, Dybożyński, Rajmund

TITLE: Application of the normal distribution to the quantitative estimation of elution curve. Separation of rare earths on anion exchange resins in form of complexes with ethylene diamine tetraacetic acid

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 19, 1962, 105, abstract 19D22 (Rept. Inst. badań jądrow. PAN, no. 271/VIII, 1961, 20 pp., ill. [Eng.; summaries in Pol. and Rus.]

TEXT: A mathematical elaboration is given of results obtained by chromatographic separation of elements in columns with linear isotherms, and a formula is deduced for calculating the content of the substance to be determined in the sample from the elution curve:  $A = 0.886 M (\max.) \cdot W$ , where  $M (\max.)$  is the height and  $W$  is the width of the elution curve peak. The formula specified is verified on the example of chromatographic separation of lanthanides using complexone III as complexing agent and  $Ho^{166}$  and  $Tu^{170}$  as radioactive isotopes. It is pointed out that the method elaborated may be  
Card 1/2

Application of the normal ...

S/081/62/000/019/008/053  
B144/B180

applied to the determination of rare-earth elements in radioactivation analysis. [Abstracter's note: Complete translation.]

Card 2/2



PSZONICKI, Leon; MINCZEWSKI, Jerzy

The influence of chemical processes on fractional distillation of spectrographic samples. Chemia anal 7 no.1:99-104 '62.

1. Institute of Nuclear Research, Polish Academy of Sciences, Warsaw.

CZAKOW, Julian; MINCZEWSKI, Jerzy

Spectrographic analysis by the powder sifting method. III.  
Mathematical method of "addition and division." Chem anal  
7 no.4:721-730 '62.

1. Department of Analytical Chemistry, Institute of Nuclear  
Research, Polish Academy of Sciences, Warsaw.

MINCZEWSKI, Jerzy; MALESZEWSKA, Hanna; STECIAK, Teresa

Spectrographic determination of gallium and indium by extraction.  
Chem anal 7 no.4:791-802 '62.

1. Department of Analytical Chemistry, Institute of Nuclear  
Research, Polish Academy of Sciences, Warsaw.

MINCZEWSKI, Jerzy

On the methods of purity testing of the purest metals. Chem  
anal 7 no.5:877-891 '62.

1. Abteilung fuer Analytische Chemie, Institut fuer Kernforschung,  
Lehrstuhl der Analytischen Chemie, Technische Hochschule, Warszawa.

MINCZEWSKI, Jerzy; RUTKOWSKI, Wladyslaw

Fluorometric determination of trace content of beryllium in silicates  
by means of morin. Pt. 1. Chem anal 7 no.6:1107-1118 '62.

1. Department of Analytical Chemistry, Institute of Nuclear Research,  
Polish Academy of Sciences, Warsaw.

MARCHENKO, Zygmunt [Marczenko, Z.]; MINCHEVSKI, Yezhy [Minczewski, J.]

Certain properties of formaldoxime and its reactions with metal ions. Zhur.anal.khim. 17 no.1:23-27 Ja-F '62. (MIRA 15:2)

1. Chair of Analytical Chemistry, Polytechnical Institute, Warsaw, Poland.

(Metals--Analysis) (Chemical tests and reagents)

CZAKOW, Julian (ul.Dorodna Nr.16, Warszawa 9, Poland,): MINCZEWSKI, Jerzy  
(ul.Dorodna Nr.16, Warszawa 9, Poland)

Spectrographic trace analysis of reactor substances. Acta chimica Hung  
30 no.3:395-398 '62

1. prof., dr. Abteilung fur Analytische Chemie des Instituts fur Kernfor-  
schung der Polnischen Akademie der Wissenschaften.

MINCZEWSKI, Jerzy, prof., dr. (Warsaw, ul.Koszykowa 75, Poland); GLABISZ, Ursula, mgr. (Szczecin, ul.Putaskiego 10, Poland)

Chlorite as oxidizing agent in volumetric analysis; effect of sodium chlorite as oxidizing agent. Determination of iodides. Acta chimica Hung 32 no.2:133-143 '62.

1. Technische Hochschule, Warsaw, Abteilung fur Analytische Chemie und Technische Hochschule, Szczecin, Abteilung fur Anorganische Chemische Technologie.



MINCZEWSKI, Jerzy, Prof., dr. (Warsaw, Dorodna 16, Poland); DANCEWICZ, D.  
(Warsaw, Dorodna 16, Poland); WASOWICZ, S. (Warsaw, Dorodna 16,  
Poland)

Determination of oxygen traces in metallic sodium. Acta chimica Hung  
33 no.1:51-57 '62.

1. Department of Analytical Chemistry Institute of Nuclear Researches,  
Polish Academy of Sciences.

NOWICKA-JANKOWSKA, Teresa (Mrs); SZYSZKO, Helena (Miss); MINCZEWSKI, Jerzy,  
prof., dr.

Reactions of rare earth elements with some polyhydroxyflavones.  
Acta chimica Hung 33 no.2:135-141 '62.

1. Institute of Nuclear Research, Warszawa, ul. Koszykowa 75, Poland.

SOBKOWSKA, Aleksandra; MINCZEWSKI, Jerzy

Potentiometric determination of complex formations of  $VO^{2+}$  -ions  
with ascorbic acid. Roczniki chemii 36 no.1:17-26 '62.

1. Department of Analytical Chemistry, Institute of Nuclear  
Research, Polish Academy of Sciences, Warsaw.

MINCZEWSKI, Jarzy; ROZYCKI, Cezary

Determination of small amounts of thallium by the isotope dilution method. Chem anal 8 no.1:63-70 '63.

1. Department of Analytical Chemistry, Politechnika, Warsaw.

MINCZEWSKI, Jerzy

POLAND

MINCZEWSKI, Jerzy; JASKOLSKA, Halina; WODKIEWICZ, Ludmila

~~Jerzy~~

Department of Analytical Chemistry, Institute of Nuclear  
Research (Zakład Chemii Analitycznej Instytutu Badan  
Jadrowych), Warsaw

Wroclaw, Przegląd elektroniki, No 9, Sept 65, pp 520-  
25.

"Trace Impurity Determination in High Purity Materials  
by Neutron Activation Method".

CHWASTOWSKA, Jadwiga; MINCZEWSKI, Jerzy

Application of benzoylphenylhydroxylamine for the extraction by separation of heavy metals. Pt. 1. Chem anal 8 no.2:157-162 '63.

1. Department of Analytical Chemistry, Politechnika, Warsaw.

MINCZEWSKI, Jerzy; JASKOLSKA, Halina; WODKIEWICZ, Ludmila

Determination of trace impurities in high purity materials by the neutron activation method. Przegl. elektroniki 4 no.9: 520-525 S\*63.

1. Zakład Chemii Analitycznej, Instytut Badań Jądrowych, Warszawa.

KICIAK, Stanislaw; MINCZEWSKI, Jerzy

Potentiometric determination of bases in nonaqueous medium. Pt.3. Chem anal 8 no.3:425-432 '63.

1. Department of General Chemistry, Politechnika, Poznan,  
and Department of Analytical Chemistry, Politechnika, Warsaw.



MINCZEWSKI, Jerzy; ROZYCKI, Cezary

Rhodate modification of niobium determination. Chem anal 8 no.6:  
977-979 '63.

1. Katedra Chemii Analitycznej, Politechnika, Warszawa.

MINCZEWSKI, Jerzy; LADA, Zygmunt

Works of the M. Struszynski Laboratory of Analysis.  
Przem chem 42 no.12:701-704 D'63.

GLABISZ, Urszula, dr; MINCZEWSKI, Jerzy, prof. dr

Use of chlorite in analytical chemistry. Pts. 1-2. Chem anal 9  
no.1:131-150 '64.

1. Department of Inorganic Chemical Technology, Technical University,  
Szczecin (for Glabisz). 2. Department of Analytical Chemistry,  
Technical University, Warsaw (for Minczewski).

STOLARCZYKOWA, Urszula, mgr; MINCZEWSKI, Jerzy, prof. dr

Determination of indium traces by phenylfluorone. Pts. 1-2.  
Chem anal 9 no.1:151-166 '64.

1. Department of Analytical Chemistry, Technical University, Warsaw.

MINCZEWSKI, Jerzy, prof. dr; WIETESKA, Elzbieta, mgr

Application of  $\beta$ -naphthol-azo-2'-hydroxy-5'-methyl-azoxybenzene  
to the determination of trace amounts of copper. Chem anal 9  
no.2:365-372 '64.

1. Department of Analytical Chemistry, Technical University, Warsaw.

SKORKO-TRYBULA, Zofia; MINCZEWSKI, Jerzy

Application of some hydroxamic acids in analytical chemistry. Pt. 5.  
Chem anal 9 no.2:397-400 '64.

1. Katedra Chemii Analitycznej, Politechnika, Warszawa.

MINGZEWSKI, Jerzy, prof. dr

A symposium on nuclear chemistry. Problemy 20 no. 4: 250-253 '64.

1. Przewodniczący organizacyjnego komitetu sympozjonu, Warszawa.

L 9746 -66 EPF(n)-2/EWP(t)/EWP(h) IJP(c) in AW/TG

ACC NR: AP6001120

SOURCE CODE: PO/0046/65/010/005/0311/0320

AUTHOR: Sobkowska, Aleksandra--Sobkovska, A.; Minczewski, Jerzy--Minchevski, J. 17

ORG: Department of Analytical Chemistry, Institute of Nuclear Research, Warsaw 18

TITLE: The kinetics of U(V) ions disproportionation in organic acid solutions

SOURCE: Nukleonika, v. 10, no. 5, 1965, 311-320

TOPIC TAGS: solution property, ion, uranium, chemical reaction kinetics, organic solvent

ABSTRACT: The kinetics of the disproportionation of U(V) ions in presence of organic acids was investigated. It was established that the rate of this reaction depends on the nature of the organic acid, its concentration, and the concentration of hydrogen ions. The results were confirmed qualitatively by polarographic measurements. Orig. art. has: 4 figures, 6 formulas, 4 tables. [NA]

SUB CODE: 07,18 / SUBM DATE: none / ORIG REF: 001 / OTH REF: 012  
SOV REF: 001

Card 1/1



POLAND

NOWICKA-JANKOWSKA, T.; MINCZEWSKI, J.

Department of Analytical Chemistry, Nuclear Research  
Institute (Zaklad Chemii Analitycznej Instytutu Badan  
Jadrowych) - (for both).

Warsaw, Chemia analityczna, No 1, January-February  
1965, pp 129-130.

"Apigenin as a possible reagent for the determination  
of aluminum in pure rare-earth materials."

POLAND

MINCZEWSKI, Jerzy, prof. dr.; DYGZYNSKI, Rajmund, dr.

Department of Analytical Chemistry, Institute of Nuclear Research  
(Zakład Chemii Analitycznej Instytut Badan Jadrowych), Warsaw -  
(for both).

Warsaw, Chemia analityczna, No 6, November-December 1965, pp 1113-1122.

"Determination of rare earths by neutron activation method with the  
aid of ion-exchange chromatography. Analysis of spectrally pure erbium  
oxide."

POLAND

MINCZEWSKI, Jerzy, prof. dr; PSZONICKA, Maria, mgr inz.

Department of Analytical Chemistry, Institute of Nuclear Research  
(Zaklad Chemii Analitycznej Instytutu Badan Jadrowych), Warsaw -  
(for both).

Warsaw, Chemia analityczna, No 6, November-December 1965, pp 1357-  
1361.

"Utilization of Co(III) acetic acid solutions in oxidimetric titration.  
Part 3: Potentiometric determination of antimony, tin, and iodides."

①  
POLAND

MINDZEMKI, Jerzy, prof. dr.; STWARCZYKOWA, Ursula, dr

Dept. of Analytical Chemistry, Warsaw Polytechnic (Katedra Chemii  
Analitycznej Politechniki, Warszawa) - (for both)

Warsaw, Chemia analityczna, No 3, May-June 1966, pp 531-541

"Reactions of iron(III) with phenylfluorene. Part 1: pH effects of  
reagent solutions. Conditions of formation and composition of  
complexes."

L 09287-67  
ACC NR: AP7002367

SOURCE CODE: 20/0045/66/011/006/0399/0405 1/1

AUTHOR: Kasiura, Krzysztof--Kasyura, K; Minczowski, Jerzy--Minchowski, Yu.

ORG: Department of Analytical Chemistry, Warsaw Technical University, Warsaw

TITLE: Colorimetric determination of uranium with the aid of 6(2-thiazolyalazo)-3-dimethylaminophenol (Tam)

SOURCE: Nukleonika, v. 11, no. 6, 1966, 399-405

TOPIC TAGS: uranium compound, colorimetry

ABSTRACT: A method for determination of uranium was devised. The pH range within which the color complex is formed was determined, a suitable extractant was chosen, and the effect of diverse ions was examined. The determination of uranium in samples was preceded by extraction with 20% tributyl phosphate in  $CHCl_3$  from 7N  $HNO_3$ . The color reaction was developed by shaking extracts with an aqueous solution of TAM at pH 7. The effect of diverse ions was eliminated by using ethylenedinitrilotetraacetic acid (EDTA) as masking agent. The excess of EDTA was combined with the aid of calcium ions. Orig. art. has: 5 figures and 2 tables.

[NA]

SUB CODE: 07 / SUBM DATE: 15Jan66 / ORIG REF: 003 / SOV REF: 001 / OTH REF: 006

Card 1/1 <sup>bpi</sup>

0925 0669

MINDADZE, A. A.

22750 Mindadze, A. A. Diagnosticheskoye Znachenie Simptoma Kipshidze.  
Trudy (Toilis. Gos Med. In-T) S. V, 1948, C. 279-87-Na Gruz: Yaz. -  
Rezyume Na Rus. Yaz

SO: Letopis', No. 30, 1949

MINDADZE A.A.

Electroencephalographic and pneumoencephalographic data in traumatic epilepsy. Trudy Inst. fiziol. AN Grus. SSR 9:221-254 '53.  
(MLRA 8:9)

1. Iz instituta fiziologii Akademii Nauk GSSR i neyrokhirurgicheskoy kliniki Tbilisskogo instituta usovershenstvovaniya vrachey-zaveduyushchiy klinikoy professor K.P.Chikovani.  
(Electroencephalography) (Epilepsy)

MINDADZE, A.A.

S.N.Kipshidze; obituary. Zhur.nevr.i psikh. 54 no.2:205 F '54.  
(MLRA 7:3)  
(Kipshidze, Semen Nikiforovich, 1887-1953)



DZIDZISHVILI, N.M.; MINDADZE, A.A.

Electroencephalographic investigation in ischialgia. Trudy Inst.  
fiziol. AN Gruz. SSR 10:151-161 '56 (MIRA 12:7)  
(SCIATICA, physiology.  
EEG (Rus))  
(ELECTROENCEPHALOGRAPHY, in var. dis.  
sciatica (Rus))

MINDADZE, A.A.

U-2

USSR / Pharmacology, Toxicology, Narcotics and Hypnotics

Abs Jour : Ref. Zh.-Biol., No 2, 1958, No 7924

Author : Mindadze, A.A., Gevne, A.O.

Inst :

Title : The Effect of Small Doses of Alcohol on the Cortex of the Cerebral Hemispheres.

Orig Pub : Tr. Tbilissk. in-t, 1957, 11, 91-100

Abstract : The relationship between conditioned stimuli was studied in 10 healthy subjects before and following the drinking of 50 g of 40% alcohol. Prior to this a conditioned motor reflex was developed to a cutaneous kinesthetic stimulation caused by placing a sphere with a 67 mm diameter in the subject's palm and its differentiation from a sphere with a 40

Card : 1/2

MINDADZE, A.A.; GEGECHKORI, M.R.

Neurological complications of influenza. Soob. An Gruz. SSR 25  
no. 4:489-494 0 '60. (MIRA 14:1)

1. Tbilisskiy gosudarstvennyy meditsinskiy institut. Predstavleno  
chlenom-korrespondentom Akademii K.P. Chikovani.  
(INFLUENZA) (NERVOUS SYSTEM—DISEASES)

MINDADZE, A.A.; GABISONIA, G.T.; GEGECHKORI, M.R.

Loss of consciousness in brain concussion. Soob. AN Gruz. SSR  
28 no.6:757-762 Je '62. (MIRA 15:7)

1. Tbilisskiy gosudarstvennyy meditsinskiy institut. Predstavleno  
akademikom P.P.Kavtaradze.  
(BRAIN--CONCUSSION) (LOSS OF CONSCIOUSNESS)

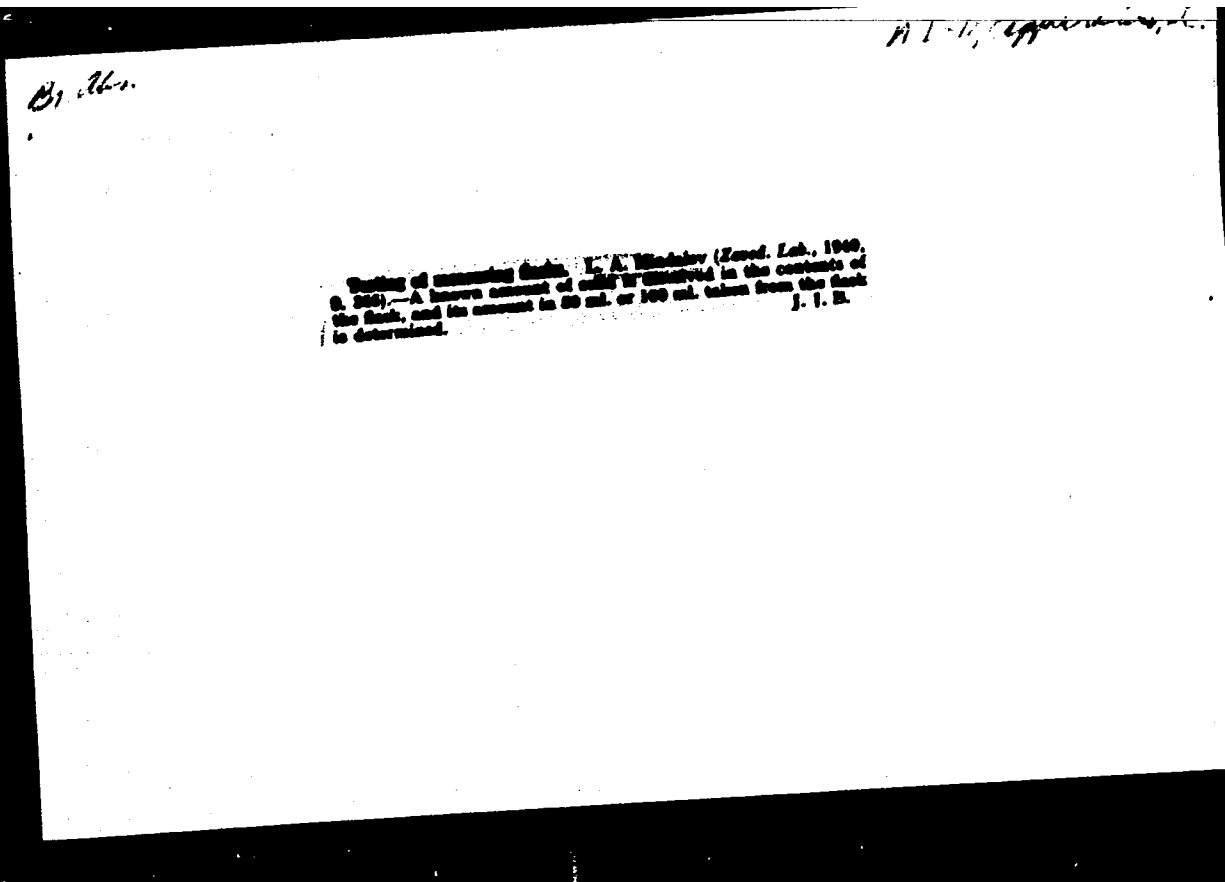
MINDADZE, A.A.

Effect of lumbar puncture on body temperature. Scob. AN Gruz,  
SSR 31 no.1:207-214 Ji '63. (MIRA 17:7)

MINDADZE, A. S., Candidate Agric Sci (diss) -- "Square-nest sowing of corn in the coastal lowlands of Kolkhida". Tbilisi, 1959, published by the Acad Sci Georgian SSR. 19 pp (Georgian Order of Labor Red Banner Agric Inst), 160 copies (KL, No 22, 1959, 119)

MINDADZE, Galaktion Alekseyevich

[Irrigation of lands] [Oroshenie zemel'. Tbilisi,  
Sabchota Sakartvelo] 1964. 166 p. [In Georgian]  
(MIRA 18:7)





MINDALEV, L. A.

PA 64T73

**USSR/Nuclear Physics - Isotopes**  
**Nuclear Physics - Theory**

Jan 1948

"Some Rules on the Existence of Isotopes," L. A. Mindalev, Moscow Metropolitan Pedagogical Institute  
V. P. Potemkin, 7½ pp

"Zhur Obshch Khim" Vol X...I (LXXX), No 1

Determines the rules for alternate increase and decrease of the n/p ratio and difference  $n - p$  for minimum and maximum isotopes, starting with element No 8. Tests to clarify the definition element-units. Law of nuclear neutron pairs was established for minimum isotopes. Studies to show the end of periodic systems of elements. Submitted 4 Dec 1946.

FIS

64T73

137 AND THE SERIES      PROCESSES AND PROPERTIES INDEX

1936. On Certain Regularities in the Existence of Isotopes (O nekotorykh zakonomernostyakh v sushchestvovanii isotopov) by L. A. Mindalev  
 Zhur. Obshchestv. Khimii 18 32-39 (1948) Jan (In Russian)

Beginning with  $Z = 8$ , the lowest (and the highest) isotopes show an alternating increase and decrease of the numbers  $n/p$  and  $n-p$ , when  $Z$  increases, ( $n$  is the number of neutrons in the nucleus,  $p$  is the number of protons. For the lowest isotopes,  $n/p$  and  $n-p$  increase in the case of an odd  $Z$ ; they decrease in the case of an even  $Z$ ; (the opposite rule is true for the highest isotopes (the "neutron-pair rule"). For the lowest (and the highest) isotopes of elements with even  $Z$ , the numbers  $n-p$  lie on a straight line at  $45^\circ$  to the coordinate axes. An attempt is made to explain the existence of one-isotope elements. A tentative general formula is suggested giving the atomic weight of the lowest isotope for any  $Z$ . The question is discussed as to the probable end of the periodic table.

8

COMPOUND ELEMENTS

COMPOUND SYMBOLS

ASB-ILA METALLURGICAL LITERATURE CLASSIFICATION

REGIONAL DIVISION

SUBJECTS

CLASSIFY ONE ONLY

CLASSIFY ONE ONLY

MINDALEV, L.A. (Moscow)

Qualitative detection of certain most common cations. Khim. v shkole  
10 no.1:50-53 Ja-F '55. (MIRA 8:4)

(Cations)

MINDALIN, L.A. (Moskva).

Qualitative determination of  $\text{CO}_3^{2-}$  and  $\text{NO}_3^-$  ions. Khim. v shkole 12  
no.3:45-46 My-Je '57. (MIRA 10:6)  
(Chemistry, Analytical--Qualitative)

MINDAL'YAN, O.V.

Planning bakeries. Khleb.i kond.prom. 1 no.6:5-6 Je '57.

(MIRA 10:8

1.Kirovskiy trest khlebopecheniya.  
(Bakers and bakeries)

MINDAROV, A.T.

BUDNIK, G.I., kand.ekon.nauk; AVDAKOV, Yu.K., dotsent, kand.ekon.nauk;  
 SARYCHEV, V.G., kand.ekon.nauk; PREEOBRAZHENSKIY, A.A., kand.  
 istor.nauk; AVDAKOV, Yu.K., dotsent, kand.ekon.nauk; POLYANSKIY,  
 F.Ye., prof., doktor istor.nauk; ZUTIS, Ya.Ya. [Zutis, J.];  
 GULANYAN, Kh.G., prof., doktor ekon.nauk; GULANYAN, Kh.G., prof.,  
 doktor ekon.nauk; KOMYAYEV, A.I., dotsent, kand.ekon.nauk;  
 KHROMOV, P.A., prof., doktor ekon.nauk; SHALASHILIN, I.Ye., dotsent,  
 kand.ekon.nauk; SHENYAKIN, I.N., dotsent, kand.ekon.nauk; POBRE-  
 BINSKIY, A.P., prof., doktor ekon.nauk; ORLOV, B.P., dotsent, kand.  
 ekon.nauk; TYUSHEV, V.A., kand.ekon.nauk; BALASHOVA, A.V., kand.  
 ekon.nauk; MOZHIN, V.P., kand.ekon.nauk; MINDAROV, A.T., dotsent,  
 kand.ekon.nauk; SHIGALIN, G.I., prof., doktor ekon.nauk; GOLUBNI-  
 CHIY, I.S., prof., doktor ekon.nauk; VOSKRESENSKAYA, T., red.;  
 BAKOVETSKIY, O., mladshiy red.; MOSKVINA, R., tekhn.red.

[History of the national economy of the U.S.S.R.; lecture course]  
 Istorija narodnogo khoziaistva SSSR; kurs lektsii. Moskva, Izd-vo  
 sotsial'no-ekon.lit-ry, 1960. 662 p. (MIRA 13:5)

1. Deystvitel'nyy chlen AN Latvyskoy SSR (for Zutis).  
 (Russia--Economic conditions)

BLYUMIN, I.G., doktor ekon. nauk, prof. [deceased]; VASILEVSKIY, Ye.G.,  
kand. ekon. nauk, dotsent; KAFENGAUZ, B.B., doktor istor. nauk,  
prof.; MINDAROV, A.T., kand. ekon. nauk, dotsent; MOROZOV, F.M.,  
kand. ekon. nauk, dotsent; POLYANSKIY, F.Ya., doktor istor. nauk,  
prof.; UDAL'TSOV, I.D., prof., red. [deceased]; OZIRA, V.Yu., red.;  
GEORGIYEVA, G.I., tekhn. red.

[History of economic thought] Istorii ekonomicheskoi mysli; kurs  
lektzii. Moskva, Izd-vo Mosk. univ. Pt.1. 1961. 511 p.  
(Economics) (MIRA 14:10)

ROMANCHENKO, L.T., kand. ekon.nauk; AVDAKOV, Yu.K., dots., red.;  
MINDAROV, A.T., dots., red.

[Economy of capitalist Germany during the general crises of capitalism; subject matter for a course on the "Economic history of capitalist countries" for the economics faculties of the Institute] Ekonomika kapitalisticheskoi Germanii v period obshchego krizisa kapitalizma; uchebnyi material po kursu "Ekonomicheskaja istoriia kapitalisticheskikh stran" dlia ekonomicheskikh fakul'tetov instituta. Moskva, Zaachnyi in-t sovetskoi trgovli, 1963. 49 p. (MIRA 18:4)



MINDAROV, M.T.; GURVICH, R.D.

Self-locking nut in a derrick. Mash. i neft. obor. no.7:34-35 '63.  
(MIRA 17:1)

1. Trest "Pechorneftegazrazvedka", g. Ukhta.

MINDAROV, Mars Tagir vich; RYBAKOV, Vladimir Aleksandrovich;  
KRAVTSOV, b.F., nauchn. red.; SHENGER, I.A., ved. red.

[Construction and assembly of drilling rigs] Stroitel'-  
stvo i montazh burovykh. Leningrad, Nedra, 1965. 111 p.  
(MIRA 18:12)

LASEVICH, G.M.; MINDEL', L.Sh.; ODINTSOVA, A.M., red.; KIRAKOZOVA,  
N.Sh., red.; EL'KINA, E.M., tekhn. red.

[Prices for consumers' goods; official documents] Tseny na  
tovary narodnogo potrebleniia; sbornik materialov. Moskva,  
Gostorgizdat, 1963. 334 p. (MIRA 16:7)  
(Prices)

MINDEL', V.Ye., kandidat tekhnicheskikh nauk.

Demountable buildings of plywood construction for repeated use. Binl.stro  
tekhn.10 no.16:4-7 N '53. (MLBA 6:11)

1. Institut stroitel'noy tekhniki Akademii arkhitektury SSSR.  
(Buildings, Prefabricated)

MINDL', V. Ye. kandidat tekhnicheskikh nauk.

The organisation of foundation and basement work. Ger.1 sel'.  
stroj. no.7:14 J1 '57. (MIRA 10:10)

(Building)

MINDEL', V.Ye., kand.tekhn.nauk

Calculation of the thermal resistance of the walls of livestock  
buildings. Sbor. nauch. soob. NIIsel'stroia no.3:81-84 '60.  
(MIRA 15:6)

(Concrete walls--Thermal properties) (Barns)

**BARSKIY, Igor' Borisovich, kand.tekhn.nauk, dotsent; LOMOVSKIY, Viktor Aleksandrovich, kand.tekhn.nauk, dotsent; KURBATOV, A.P., inzh., retsenzent; MINDEL', Ye.M., kand.tekhn.nauk, retsenzent; MIRONOV, A.P., kand.tekhn.nauk, retsenzent; IVANOV, V.V., kand.tekhn.nauk, red.; FAL'KO, O.S., red.isd-va; TIKHANOV, A.Ye., tekhn.red.**

**[Tractors] Traktory. Moskva, Gos.nauchno-tekhn.isd-vo mashinostroit. lit-ry, 1960. 295 p. (MIRA 14:1)**

**1. Lyuberetskiy tekhnikum sel'skokhozyaystvennogo mashinostroyeniya (for Kurbatov). (Tractors)**

MINDEL', Ye.M., kand.tekhn.nauk

Increasing the productivity of tractors. Trakt. i sel'khozmasb.  
31 no. 5:4-7 My '61. (MIRA 14:5)

1. Nauchno-issledovatel'skiy avtotraktorny institut.  
(Tractors)



MINDEL', Ye.M., kand.tekhn.nauk

Effect of the increase in operating speed on the efficiency  
and power parameters of future agricultural tractors. Trakt.  
i sel'khoz mash. 32 no.10:1-4 O '62. (MIRA 15:9)

1. Gosudarstvennyy soyuznyy nauchno-issledovatel'skiy traktorny  
institut. (Tractors)

MINDEL, Ye.M., kand.tekhn.nauk; BARASTOV, L.P., inzh.; KHOLIN, A.I., inzh.

Improving work conditions for tractor operators. Trakt. i sel'-  
khoz mash. 33 no.8:17-20 Ag '63. (MIRA 16:11)

1. Gosudarstvennyy soyuznyy nauchno-issledovatel'skiy traktorny  
institut.

POLISHCHUK, L.K.; MINDEL', Ye.Z. [Mindel', IE.Z.]

Effect of the quality of light on the chlorophyll-bearing apparatus  
of wheat. Visnyk Kyiv.un. no.5. Ser.biol. no.2:44-49 '62. (MIRA 16:5)

(CHLOROPHYLL) (WHEAT) (PLANTS, EFFECT OF LIGHT ON)

MINDELI, E. O.

The Donets Basin in the post-war Stalin Five Year Plan. Moskva (Pravda) 1950.  
29 p. (51-21722)

HD9555.R83D685

MINOELI, E.O.

"Construction Time of Soviet Coal-Cleaning Plants Reduced"  
Mekh Trud i T'yazh Rabot No 2 Feb 1952 W-22873

MINDELI, E.O.

"USSR Accelerates Coal-Cleaning Plant Construction" Mekh. Trud.  
i Tyazh Rabot, No 2, Feb., 1952

MINDELI, Ye. O.

MINDELI, Ye. O.

Coal Mines and mining.

Methods of speeding up mine construction.  
Mekh. trud. rab. 6 No. 8, 1952.

Monthly List of Russian Accessions, Library of Congress, December 1952. UNCLASSIFIED.

MINDELI, YE. O.

Shaft Sinking

Some questions of drilling and blasting operations in sinking mine shafts. Ugol' 27  
no. 3 (312), 1952.

Monthly List of Russian Accessions, Library of Congress, May 1952 UNCLASSIFIED.



MINDELI, E.O.

KUZ'MICH, A.S., redaktor; BARABANOVA, F.A., redaktor; BOBROV, I.V., redaktor;  
VLADIMIRSKIY, V.V., redaktor; GRAFOV, L.Ye., redaktor; DOKUKIN, A.V.,  
redaktor; YERASHKO, I.S., redaktor; ZABLODSKIY, G.P., redaktor; ZADE-  
MIDKO, A.M., redaktor; ZAYTSEV, A.P., redaktor; ZASADYCH, B.I., redak-  
tor; KAGAN, P.Ya., redaktor; KRASHNIKOVSKIY, G.V., redaktor; KRIVONOGOV,  
K.K., redaktor; LALAYANTS, A.M., redaktor; MELAMED, Z.M., redaktor;  
~~MINDELI, E.O.~~ redaktor; MOGILEVSKIY, N.M., redaktor; OSTROVSKIY, S.B.,  
redaktor; POPOV, T.T., redaktor; SKOCHINSKIY, A.A., redaktor; SKURAT,  
V.K., redaktor; SOBOLEV, G.G., redaktor; STUGAROV, A.S., redaktor;  
SUMCHENKO, V.A., redaktor; TERPIGOREV, A.M., redaktor; SHEVYAKOV, L.D.,  
redaktor; SHELKOV, A.A., redaktor; ANDREYEV, G.G., tekhnicheskiy redaktor

[Safety regulations in coal and shale mines] Pravila bezopasnosti v  
ugol'nykh i slantsyevykh shakhtakh. Moskva, Ugletekhizdat, 1953. 226 p.

1. Russia (1923- U.S.S.R.) Ministerstvo ugol'noy promyshlennosti. (MIRA 8:4)  
(Coal mines and mining--Safety measures)

KHRUSHCHEV, N.S.; KAGANOVICH, L.M.; SHVERNIK, N.M.; PERVUKHIN, M.G.; ZASYAD'KO,  
TEVOSYAN, I.P.; MALYSHEV, V.A.; BAYBAKOV, N.K.; BESHCHEV, B.P.; KUZ'MICH,  
MEL'NIKOV, L.G.; GRAFOV, L.Ye.; ZADEMIDKO, A.N.; MEL'NIKOV, N.V.; LALAYANT  
A.M.; KOVAL'EV, I.V.; POCHENKOV, K.I.; BARABANOV, F.A.; KRASHNIKOVSKIY, G.V.  
MINDELI, E.O.; ROSSOCHINSKIY, I.Ya.

Egor Trofimovich Abakumov; obituary. Mast.ugl.2 no.11:30 N '53.

(MLHA 6:11)  
(Abakumov, Egor Trofimovich, 1895-1953)

TRUBNI, S. O.

Dissertation: "Experimental Investigation of a Drilling-Explosive Complex in the Vertical Sinking of Mineshafts in the Donets Basin." Cand Tech Sci, Inst of Mining, Acad Sci USSR, 28 May 54. Vechernyaya Moskva, Moscow 19 May 54.

SO: SUM 284, 26 Nov 1954

MINDELI, E.O., inshener.

Using single and double hoisting machines for work in vertical mine shafts. Ugol' 29 no.1:16-20 Ja '54. (MIRA 7:1)

(Mine hoisting)