

10

*ra*

**Recovery of (waste) 8-hydroxyquinoline.** S. T. Ralyuk, *Zavodskaya Lab. 5, 878(1936)*.— The accumulated waste liquor contg. 8-hydroxyquinoline is treated with  $\text{CuSO}_4$ . The Cu deriv. is filtered off and is dissolved in  $\text{HCl}$ . The soln. is treated with  $\text{H}_2\text{S}$ , the filtrate from the  $\text{CuS}$  is boiled to expel  $\text{H}_2\text{S}$ , then made alk. with  $\text{Na}_2\text{CO}_3$  and steam distd. Chas. Blanc

ASB-21A METALLURGICAL LITERATURE CLASSIFICATION

FROM SCHWAB

11 AND 12

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

CA

7

Determination of iron oxide in refractory materials.  
N. O. Zeldin and S. T. Baljuk. *Ognepry 6*, 1332 (1948).  
- Fusion of the sample with NaOH in a Ag crucible is advocated.  
E. B. Stefanowsky

ASD-31A METALLURGICAL LITERATURE CLASSIFICATION

PROCESSES AND PROPERTIES INDEX

1ST AND 2ND CROSS

3RD AND 4TH CROSS

5TH AND 6TH CROSS

7TH AND 8TH CROSS

9TH AND 10TH CROSS

11TH AND 12TH CROSS

13TH AND 14TH CROSS

15TH AND 16TH CROSS

17TH AND 18TH CROSS

19TH AND 20TH CROSS

21ST AND 22ND CROSS

23RD AND 24TH CROSS

25TH AND 26TH CROSS

27TH AND 28TH CROSS

29TH AND 30TH CROSS

31ST AND 32ND CROSS

33RD AND 34TH CROSS

35TH AND 36TH CROSS

37TH AND 38TH CROSS

39TH AND 40TH CROSS

41ST AND 42ND CROSS

43RD AND 44TH CROSS

45TH AND 46TH CROSS

47TH AND 48TH CROSS

49TH AND 50TH CROSS

51ST AND 52ND CROSS

53RD AND 54TH CROSS

55TH AND 56TH CROSS

57TH AND 58TH CROSS

59TH AND 60TH CROSS

61ST AND 62ND CROSS

63RD AND 64TH CROSS

65TH AND 66TH CROSS

67TH AND 68TH CROSS

69TH AND 70TH CROSS

71ST AND 72ND CROSS

73RD AND 74TH CROSS

75TH AND 76TH CROSS

77TH AND 78TH CROSS

79TH AND 80TH CROSS

81ST AND 82ND CROSS

83RD AND 84TH CROSS

85TH AND 86TH CROSS

87TH AND 88TH CROSS

89TH AND 90TH CROSS

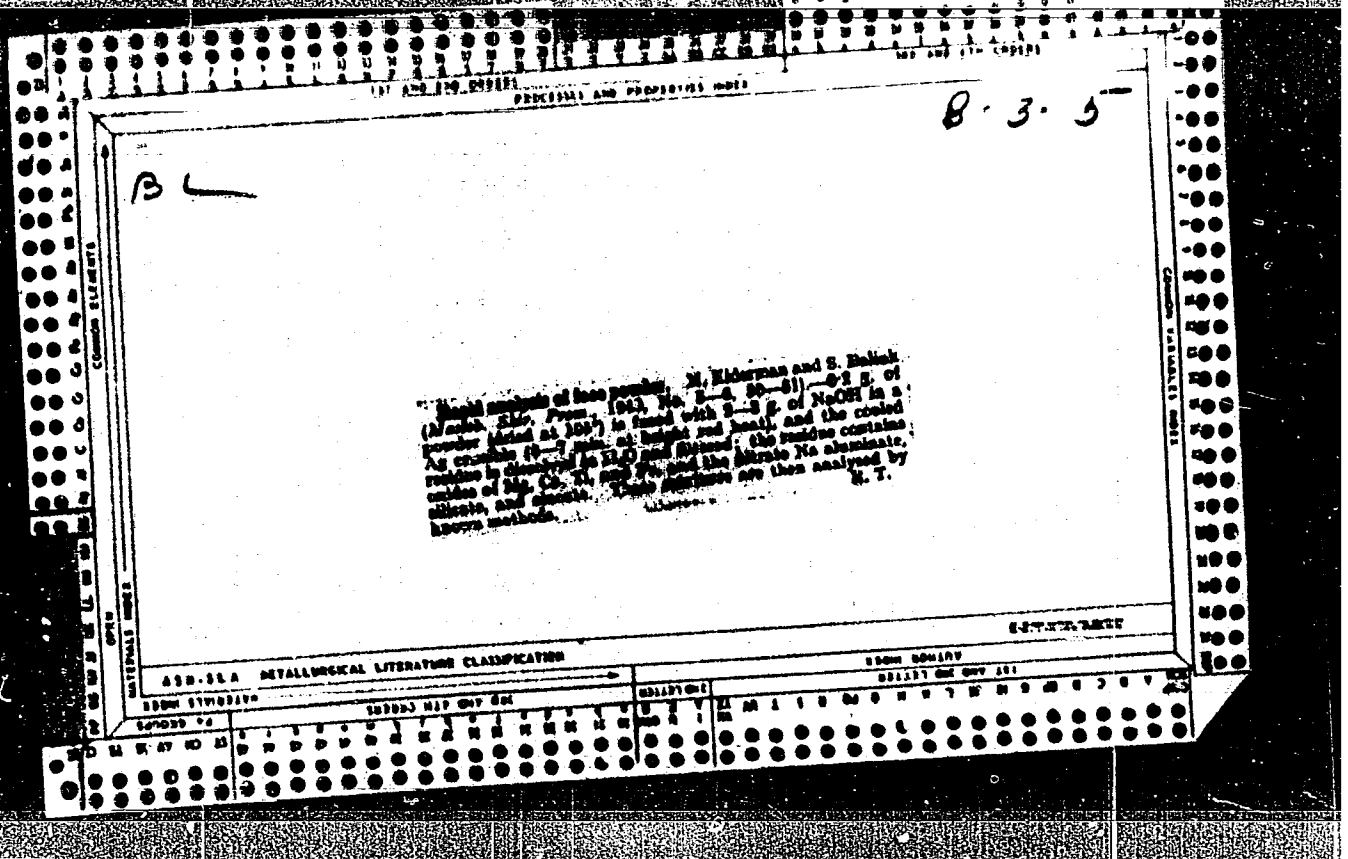
91ST AND 92ND CROSS

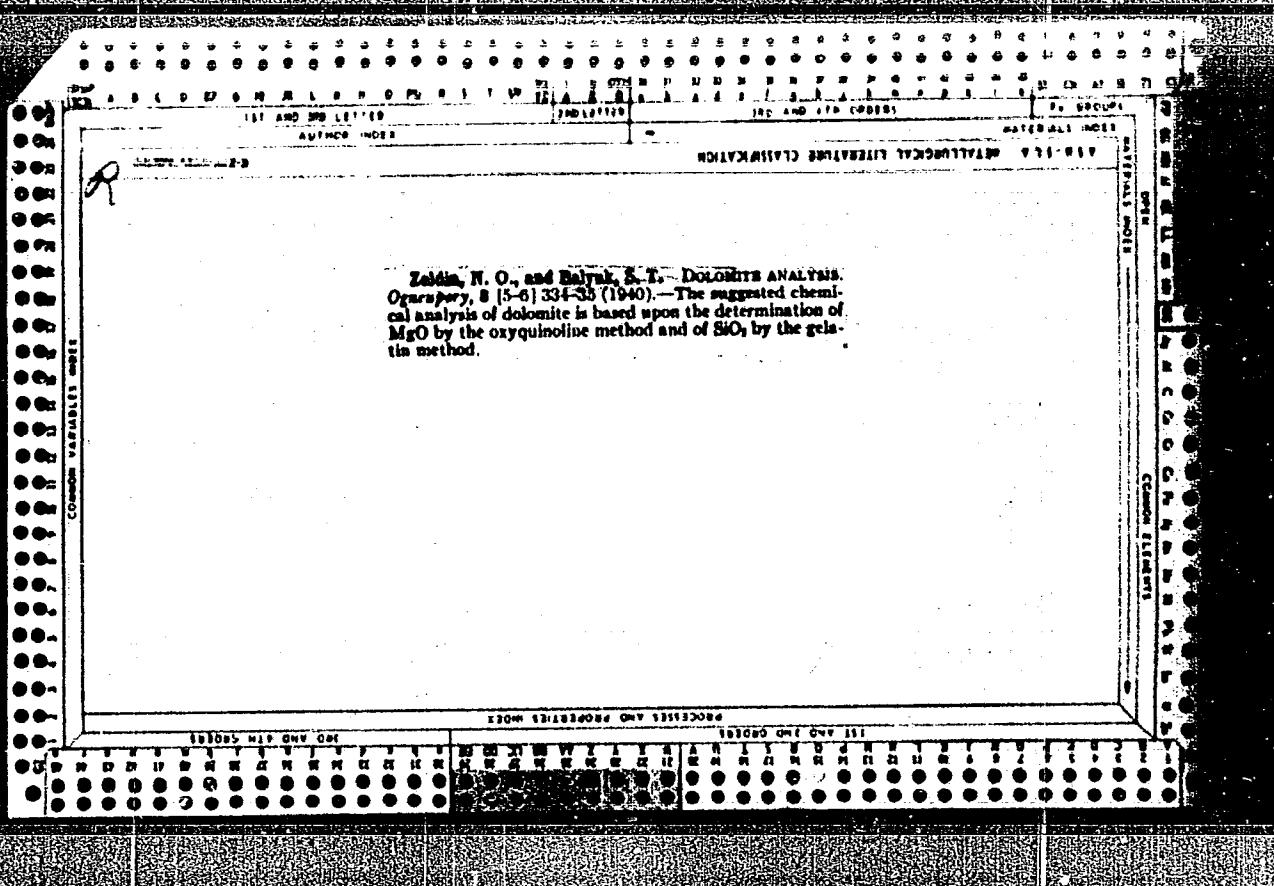
93RD AND 94TH CROSS

95TH AND 96TH CROSS

97TH AND 98TH CROSS

99TH AND 100TH CROSS





Microfilm frame containing a document page with a central text block. The page is surrounded by a perforated border with labels: 'COMMON VARIABLEI INDEX' on the left, 'COMMON ELEMENT' on the right, and 'PROCESSING AND PRODUCTION NOTES' at the bottom. The central text reads:

Zosha, N. O., and Balyuk, S. T. RAPID ANALYSIS OF SILICA BRICK AND QUARTZITE. *Ognebovy*, 8, 305-06 (1940).—The method is based on treating the sample with HF in the presence of HNO<sub>3</sub>. The analysis takes 2.0 to 2.5 days.

PROCESSING AND PROPERTIES INDEX

137 AND 138 GROUPS

1970

17

CA

**Rapid analysis of (oxide) powders.** M. Rikerman and S. Halynsk. *Metalloids-Extractions* *Proc.* 16, No. 6-8, 50-1 (1960).—To det. tale and kaolin in powders, dry the sample to const. wt. at 103° and fuse with NaOH in a Ag crucible. Miscibility with the melt can be improved by wetting the powder with 0.5% alc. NaOH and drying. Ext. the cooled melt with hot water, which leaves hydrated oxides of Mg, Ca, Ti and Fe undissolved while Na aluminate, silicate and stearate go into soln. Details are given for detg. Al and Mg with xray. A complete analysis takes only a few hrs.  
Julian F. Smith

ASS. S.L.A. METALLURGICAL LITERATURE CLASSIFICATION

EDITION 1970

EDITION 1970

EDITION 1970

EDITION 1970

1ST AND 2ND COPIES

PROCESSES AND PROPERTIES INDEX

*c*

Preparation of standard titanium solution. S. T. HALYMA. *Zvezdichaya Lab.*, 10, 07 (1941); *Chem. Zvezd.*, 1942, 1, 1028-29; *Chem. Abs.*, 37, 2205 (1943). A new procedure for preparing a standard Ti solution is given. It is obtained from  $K_2TiF_6$  with the aid of small quantities of  $H_2BO_3$ . As compared with previous recipes, the new method requires only about one-fifth as much time, only traces of F are left in the solution, and it is not necessary to test the concentration again.

Common Elements

ABB-55A METALLURGICAL LITERATURE CLASSIFICATION

SECTION WITH ONLY ONE

SECTION ONE

SECTION TWO

SECTION THREE

SECTION FOUR

SECTION FIVE

SECTION SIX

SECTION SEVEN

SECTION EIGHT

SECTION NINE

SECTION TEN

SECTION ELEVEN

SECTION TWELVE

SECTION THIRTEEN

SECTION FOURTEEN

SECTION FIFTEEN

SECTION SIXTEEN

SECTION SEVENTEEN

SECTION EIGHTEEN

SECTION NINETEEN

SECTION TWENTY

SECTION TWENTY ONE

SECTION TWENTY TWO

SECTION TWENTY THREE

SECTION TWENTY FOUR

SECTION TWENTY FIVE

SECTION TWENTY SIX

SECTION TWENTY SEVEN

SECTION TWENTY EIGHT

SECTION TWENTY NINE

SECTION THIRTY

PROCESSES AND PROPERTIES INDEX

ct

Oxidation of organic matter in  $H_2SO_4$  solution with  $NH_4NO_3$ . S. T. Balyuk. *Zvezdskiye Lab.* 10, 320 (1941); *Chem. Zvest.* 1943, II, 2510. --It is proposed to oxidize org. matter (e. g., in clay) in hot concd.  $H_2SO_4$  + solid  $NH_4NO_3$  instead of  $HNO_3$ . This avoids spattering.  
H. Stoeriz

7

ASM-11A METALLURGICAL LITERATURE CLASSIFICATION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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27146. Balyuk, S. T., Mirak'yan, V. M. - Ob opredelenii zakisnogo zheleza v khromitovykh i khromomagne zitovykh ogneuporakh. Zavodskaya laboratoriya, 1949, No. 8 s. 1004

SO: Letopis' Zhurnal'nykh Statey, Vol. 36, 1949

BALYUK, S. I.

35826. Ob"Yemnoye opredeleniye oksikhinolyata sholeza. Zavodskaya laboratoriya.  
1949, No. 11, S. 1368

SO: Letopis' zhurnal'nykh Statey, Vol. 39, Moskva, 1949

GA

11

**Determination of ferrous oxide in chromite and chromomagnesite refractories.** S. T. Balynk and V. M. Mirak'yan. *Zavodskaya Lab.* 18, 1004(1949).—The method of Shein (*C.A.* 43, 1211<sup>1</sup>) is improved by modification of the soln. mixt.  $H_2PO_4$  (d. 1.7) is mixed with 200 part concd.  $H_2SO_4$  and 1 g.  $V_2O_5$  and heated until the latter dissolves. It is then treated with  $KMnO_4$  until pink. After heating to  $SO_2$  fumes and cooling, a 25-ml. aliquot is dild. and titrated with 0.1 *N*  $KMnO_4$  to a pink color. If over 0.2 ml. is needed, the above treatment with  $KMnO_4$  is repeated. This soln. gives accurate and reproducible results for  $FeO$ . G. M. Kosolapoff

5

PROCESSES AND PROPERTIES INDEX

21

**Volumetric Determination of the Hydroxyquinoline Compound of Iron.** M. L. Balshak and V. M. Mirshyan. (Kavkazskaya Laboratoriya, 1949, vol. 18, Nov., p. 1364). (In Russian). A method based on the titration with a standard solution of trivalent titanium in the presence of potassium thiocyanate of the hydroxyquinoline compound of iron is described; it has been successfully used for the determination of ferric oxide and alumina in Dinna, fireclay, dolomite, magnesite, and various clays.—a. k.

ASB SLSA METALLURGICAL LITERATURE CLASSIFICATION

GROUPS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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*analysis*

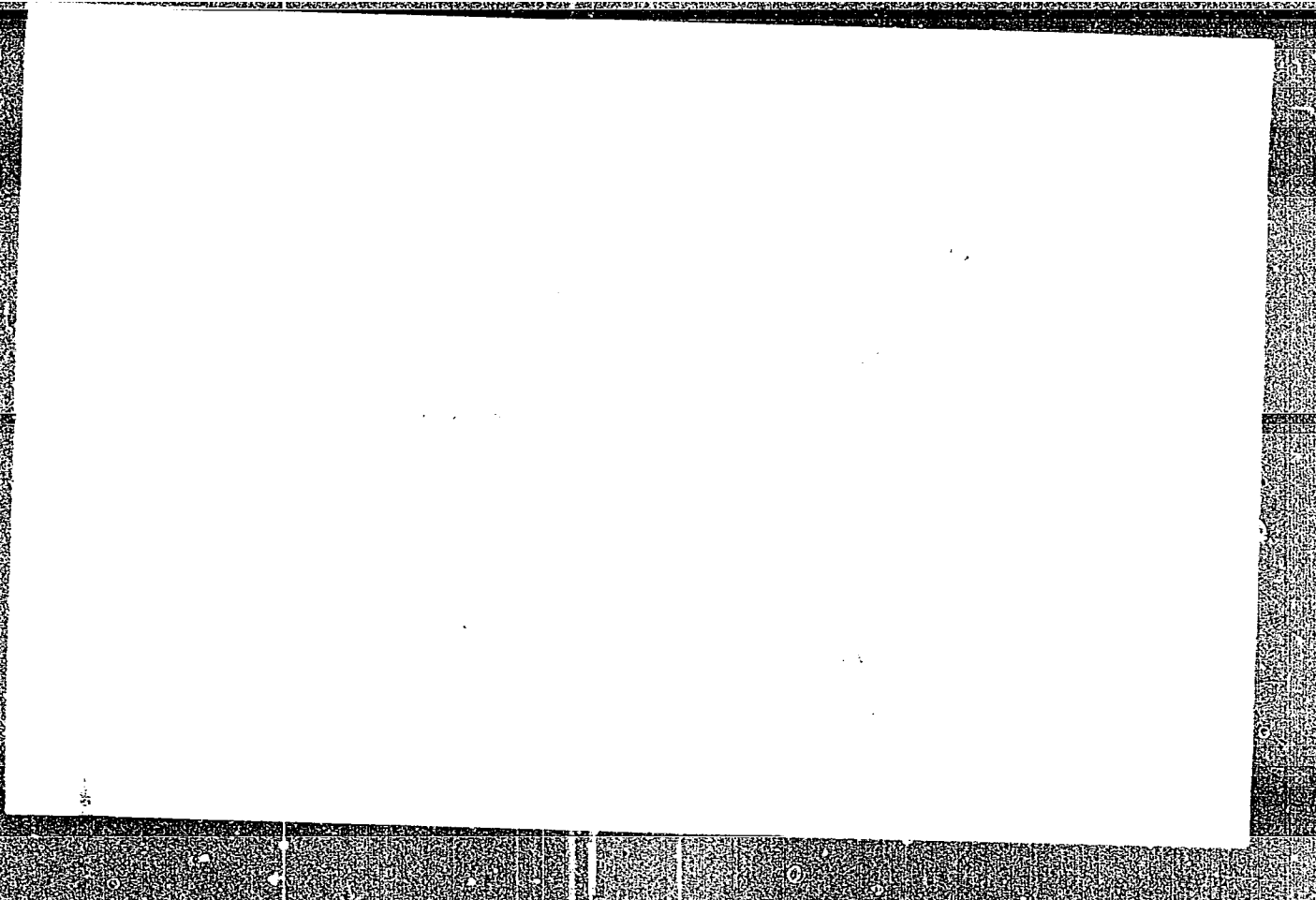
5

**Rapid Method of Determining Ferric Oxide in the Presence of Chromium.** S. T. Belyuk and V. M. Mirak'yan. (*Zarodshaya Laboratoriya*, 1950, No. 1, 100-101). [In Russian]. In the method described for determining ferric oxide in chromites and chrome-magnetites, the time required for the analysis is greatly shortened by avoiding the preliminary separation of chromium. The material (0.2 g.) is fused with pyrolusite, the product is leached out with 1:1 H<sub>2</sub>SO<sub>4</sub>, and the solution is titrated with standardized trivalent titanium solution after the addition of a small quantity of soda. The titration is carried out in the presence of potassium or ammonium thiocyanate, the end-point being marked by the disappearance of the red colour.—S. K.

A-U Sci Res. INST. of. REFRACTORIES

"APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000103330007-4



APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000103330007-4"

BALYUK, S.T.

Rapid method for determining the ferric oxide content of pyrite  
cinders. Ogneupory 25 no.12:576-577 '60. (MIRA 14:1)

1. Ukrainskiy nauchno-issledovatel'skiy institut ogneporov.  
(Iron oxides) (Pyrites)



OVCHAROV, E.A.; Balyuk, S.T.

Plants producing refractory materials should be specialized.

Standartizatsiia 25 no.8:53 Ag '61.  
(Refractories industries)

(MIRA 14:7)

BALYUK, S.T.; OVCHAROV, E.A.

Developing the standard for metallurgical dolomite.  
Standartizatsiia 25 no.12:39-40 D '61. (MIRA 14:11)  
(Dolomite--Standards)

BALYUK, S.T.

Rapid method of determining the content of spent sulfite liquor in refractory material slips, mortars, and unfired refractories.  
Ogneuport 27 no.5:241-243 '62. (MIRA 15:7)

1. Ukrainskiy nauchno-issledovatel'skiy institut ogneuporov.  
(Refractory materials—Analysis)  
(Sulfite liquor—Analysis)

BALYUK, S.T.

Accelerated method of determining the content of fractions of  
chrome-magnesite brick in a mixture of it and chromite powder.  
Ogneupory 26 no.11:535-536 '61. (MIRA 17:2)

1. Ukrainskiy nauchno-issledovatel'skiy institut ogneuporov.

BALYUK, S.T.; ZIL'BERG, Ye.S.

Rapid method of determining the  $Cr_2O_3$  content in chromite ores, chrome-magnesite mixtures and refractories. Ogneupory 28 no.8: 378-379 '63. (MIRA 16:9)

1. Ukrainskiy nauchno-issledovatel'skiy institut ogneuporov (for Balyuk). 2. Nikitovskiy dolomitnyy kombinat (for Zil'berg).

BALYUK, S.T.

Rapid method of determining the content of free phosphoric acid and its combination with silica during the manufacture of refractories with a phosphate binder. Ogneupory 29 no.9:425-426 '64. (MIRA 17:10)

1. Ukrainskiy nauchno-issledovatel'skiy institut ogneuporov.

BALYUK, S.T.

Rapid method of determining the composition of the charge mixture for  
lightweight dinas brick. Ogneupory 29 no.11:524-525 '64.

1. Ukrainskiy nauchno-issledovatel'skiy institut ogneuporov. (MIRA 18:1)

BALYUK, S. T.

Rapid method of determining the zircon content in a quartz mixture.  
Ogneupory 30 no.3:42.44 '65. (MIRA 18:5)

1. Ukrainskiy nauchno-issledovatel'skiy institut ogneuporov.



BALYUK, S.T.

Rapid method of determining alumina content in the production  
of magnesite products with a spinel binding. Ogneupory 31  
no.1:58-60 '66.

1. Ukrainskiy nauchno-issledovatel'skiy institut ogneuporov. (MIRA 19:1)

BALYUK, V.F., uchitel'

Experiment on the modification of spring barley. Biol. v shkole no.2:91-92 Mr-Ap '61. (MIRA 14:3)

1. Srednyaya shkola No. 2 g.Shepetovki Khmel'nitskoy oblasti, USSR.  
(Barley breeding)

BALYUK, V.F.

Two experiments on the stage development of plants. Biol. v shkole  
no.1:63-65 Ja-F '62. (MIRA 15:1)

1. Direktor sredney shkoly No.4 g. Shepetovki Khmel'nitskoy oblasti  
USSR.  
(PLANT PHYSIOLOGY) (VERNALIZATION)

BALAYEV, Ye.Ye.; Balyukov, I.I., tehnolog; ISAYEVA, R.A.; KOTOV, V.I.;  
TIMOFEYEV, N.G., master; MAYAKIN, N.I., pomoshchnik мастера

Is there a need for warp hangers in automatic weaving? Tekst.-  
prom. 22 no.9:37-38 S '62. (MIRA 15:9)

1. Zaveduyushchiy proizvodstvom Pavlovo-Pokrovskoy fabriki  
Moskovskogo oblastnogo soveta narodnogo khozyaystva (for Balayev).
2. Tekhnicheskii otdel Pavlovo-Pokrovskoy fabriki Moskovskogo  
oblastnogo soveta narodnogo khozyaystva (for Balyukov).
3. Starshiy normirovshchik Pavlovo-Pokrovskoy tkatskoy fabriki  
Moskovskogo oblastnogo soveta narodnogo khozyaystva (for Isayeva).
4. Nachal'nik tsekha Pavlovo-Pokrovskoy tkatskoy fabriki  
Moskovskogo oblastnogo soveta narodnogo khozyaystva (for Kotov).  
(Weaving) (Automatic control)

BALYUKOV, I. M.

Onions

Peculiarities in cultivation of seedling onions in the northern Yenisei Region.,  
Sad i og., no. 3, 1952.

9. Monthly List of Russian Accessions, Library of Congress, \_\_\_\_\_ May \_\_\_\_\_ 1952, Uncl.

BALYUKOV, V. S.

SUSHKOV, P. M. - Inzh. i, BALYUKOV, V. S. - Inzh., KOSTYUKOVSKIY, M. G. - Inzh.,  
VASIL'EV, B. F. - Inzh.

Vsesoyuznaya kontora tipovogo proyektirovaniya i tekhnicheskikh issledovaniy (KTIS)  
mintyashstroya

Monolitnyye shalezobetonnyye pokrytiyaodnoetazhnykh promyshlennykh zdaniy v vide  
tsilindricheskikh obolochek, vosvodimykh s primeneniym peredvishnoy opalubki  
Page 64

SO: Collection of Annotations of Scientific Research Work on Construction, com-  
pleted in 1950. Moscow, 1951

BALYUKOV, V.S., inshener; VASIL'YEV, B.F., inshener; KOSTYUKOVSKIY, M.G.,  
inshener; TEMKIN, L.Ye., inshener, redaktor; DAKHNOV, V.S.,  
tekhnicheskiy redaktor

[Technical specifications for hollow cast concrete floors]  
Tekhnicheskie usloviya na nastil zhelezobetonnyi mnogopustotnyi.  
(TU-76-50). Moskva, Gos.isd-vo stroit.lit-ry, 1951. 48 p.  
[Microfilm] (MLRA 10:6)

1. Vsesoyuznaya kontora tipovogo proyektirovaniya i tekhnicheskikh issledovaniy (VTIS) Glavstroyproyekta Ministerstva stroitel'stva predpriyatiy tyazheloy industrii (for Balyukov, Vasil'yev, Kostyukovskiy). 2. Tekhnicheskoye upravleniye Ministerstva stroitel'stva predpriyatiy tyazheloy industrii (for Temkin)
3. Russia (1923- U.S.S.R.) Ministerstvo stroitel'stva predpriyatiy tyazheloy industrii. Tekhnicheskoye upravleniye (Floors, Concrete)

SVETOV, A.A.; KRAMAR', V.G.; BALYUKOV, V.S.

Large-panel reinforced-concrete slabs. Standartizatsiia 25  
no. 5:53-55 My '61. (Concrete slabs) (MIRA 14:5)



BALYUNOVA, O.P.

Proposals of efficiency promoters in the Kirov Clothing Factory  
in Mikolayev. Leh. prom. no.3:53-54 JI-S '64. (MIRA 17:10)

OL'SHANSKIY; LYSENKO; NAZARENKO; AVAKYAN; VARUNTSYAN; GLUSHCHENKO; PREZENT;  
VARENITSA; BALLYURA; OZIRSKIY; TOMASHEVICH; SHAIN; TARKOVSKIY;  
TRET'YAKOV; NOVIKOV; FEYGINSON; TELYATNIKOV; KHALIFMAN;  
KONSTANTINOVA; SMIRNOV; VOINOV; STEPANOV; SHOSTAK; BALABAN;  
CHUBASOVA; TKUCHUK

Timofei Ignat'evich Belash. Agrobiologiya no. 3:447-448 My-Je '61.  
(MIRA 14:5)  
(Belash, Timofei Ignat'evich, 1901-1961)

BALYURA, P. G.

"Corrected Broaches for Broaching Triangular Groves," Stan, i Instr. 23, No.4,  
1952



BALYURA, P.G.

Adjusting radial slotter tools. Stan.1 instr. 27 no.10:40 0  
'56. (MIRA 9:12)

(Cutting tools)

BALYURA, P.G.

Geometrical parameters of broaches used in machining grooves  
by gradually generating process. Stan. 1 instr. 28 no.11:32-34  
N '57. (MIRA 10:12)

(Broaching machines)

SOV/121..58-8-12/29

AUTHOR: Balyura, P.C.

TITLE: ~~Limits of Grinding of Broach Teeth and the Design of~~  
their Pitch (Predely stachivaniya zub'yev protyazhek i  
raschet ikh shaga)

PERIODICAL: Stanki I Instrument, 1958, Nr 8, pp 28-30 (USSR)

ABSTRACT: Broaches for slots of rectangular, trapezoidal and dove-  
tail profiles are considered. The teeth are sharpened by  
grinding their front flank. This shortens the tooth,  
owing to the top clearance angle, and so reduces the tooth  
height. The dimensional tolerance of the slot determines  
the permissible shortening of the tooth. In each type of  
profile a different geometric limitation arises which is  
given in the paper. To the length of the tooth removable  
by grinding a residual length is added for which a value

Card 1/2

SOV/121-58-8-12/29

Limits of Grinding of Broach Teeth and the Design of their Pitch  
of 1.0-1.5 mm is given. The required gap between the  
teeth is computed, together with the height of the tooth  
from the condition that the gap must have enough space  
for the swarf. The tooth is checked for strength.  
There are 5 figures

Card 2/2



BALYURA, P.G.

Broaching dovetail-shaped grooves. Stan.1 instr. 29 no.12:23-24  
D '58. (MIRA 11:12)

(Metal cutting)

BALYURA, P.G.

Breaches for machining herringbone profiles. Stan. 1 instr. 30  
no. 2:30-32 F '59.

(Breaching machinery)

(MIRA 12:3)

1.1100 2908

22918  
S/121/61/000/007/003/004  
D040/D112

AUTHOR: Balyura, P.G.

TITLE: Broaching grooves in refractory materials

PERIODICAL: Stanki i instrument, no.7, 1961, 26-28

TEXT: Widening of the chip and the damage caused by it to broached surfaces was studied in experiments with  $\text{ЭИ437Б}$  (EI437B) and  $\text{ЭИ617}$  (EI617) alloys and  $\text{ЭИ481}$  (EI481) and "45" steel grades, using single-tooth and multi-tooth broaches with a  $15^\circ$  rake and a  $3^\circ$  clearance. The chip widening (or widening factor) was measured with the aid of a microscope and stated to be 1.002 - 1.005 in restricted broaching (i.e. in a closed groove) and 1.01 - 1.03 in open broaching. In absolute values, the widening reached 0.3 mm in a 10 mm wide groove, which can result in scratches and even jamming of the chip. Microhardness was measured, and it was stated that the chip was harder than the groove walls in all tested metals except in "45" steel. The blunter the broach, the greater the hardness. Sawtooth-like chip edges were clearly visible on chips in open cutting. Scratches were 50-60 microns wide and 30-40 microns deep. Three existing chip-splitting methods are briefly discussed

Card 1/3

22918

Broaching grooves in refractory materials

S/121/61/000/007/003/004  
D040/D112

(Fig.6): 1)-using a rough and a finishing broach, and leaving a layer not more than 0.3 - 0.5 mm deep to be removed with the finish broach; 2)-splitting the chip by grooves in the cutting edges, so as to make every cutting tooth participate in the finish broaching and let the chip escape by the grooves; 3)-using one roughing and one or two finishing broach teeth in succession. The 3rd method has proved good for common machinery steel, but it cannot be recommended for precision broaching in refractory metal because of too rapid blunting. Besides, the rather long combination broaches (3rd method) that are often needed would be too costly for precision broaching in hard metal. It is recommended to use short precision broaches, i.e. one roughing and one finishing broach: the former should work according to the "step-generating" process as already described by the author (Ref.2: Balyura, P.G., "Stanki i instr.", no.11, 1957), and the latter either according to the "step-generating" or to the profile system. Both the rough and finish broach used together in a vertical broaching press will produce complete broaching during a single stroke of the press slide. There are 6 figures and 2 Soviet-bloc references. ✓

Card 2/3

22918

S/121/61/000/007/003/004  
D040/D112

Broaching grooves in refractory materials

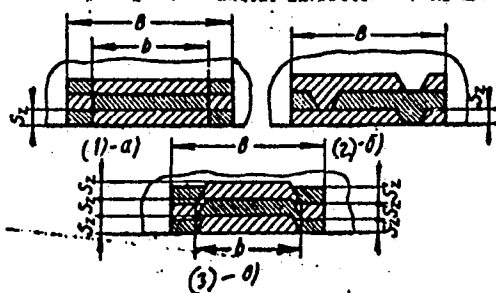


Fig.6: Systems of chip-splitting when broaching a rectangular groove.

Card 3/3

BALYURA, P.G.

Correction of forming broaches. Stan.i instr. 32 no.10:33-35  
0 '61. (MIRA 14:9)  
(Broaching machines)

BALYURA, P.G.; KATSEV, P.G., kand. tekhn. nauk, retsenzent;  
KUNIN, P.A., inzh., red.

[Broaching of grooves] Protiagivanie pazov. Moskva, Ma-  
shinostroenie, 1964. 170 p. (MIRA 18:3)

CA DALYUKA, V. I.

28

**Predefecation with unfiltered juice from the first carbonation.** V. Mekhola and V. Balyuga, *Sukhmanin Press* 23, No. 10, 11 (2, 1951). To unfiltered carbonated juice from the 1st carbonation is added milk of lime or defecated juice and the alky. raised to 0.25% CaO. The alky. on predefecation is brought up to 0.10% CaO in order to coagulate all colloids in the diffusion juice. This treatment is achieved in a vertical cell. The pipe which carries returned juice is 180 mm. in diam. and is installed vertically downward inside of the cell. The outlet at the bottom is sealed and the juice enters the cell through a vertical slit 18 mm. wide. The diffusion juice is admitted at the bottom of the cell and while the level of this juice rises, it mixes with the unfiltered carbonation juice with progressive increase in alky.

V. F. Balyuga



BALYURA, V. I.

Sugar Industry

Still more about preliminary defecation. Sakh. prom 26 no. 9, 1952

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

BALYURA, V.I.

Position of the head of the Technical Control Division must be  
changed. Sakh.prom. 28 no.1:48 '54. (MLRA 7:3)

1. Starshiy khimik Khodorovskogo sakharnogo kombinata.  
(Sugar industry)

МАМУЗ, Y. I., kond. sol. 'okhorovayevannikh nept.

Corn cultivation practices in the non-Chernozem zone. Serledeliya  
7 no.5:40-47 ly. '69. (MIRA 12:7)

1. Nauchno-issledovatel'skiy institut zemledeliya tsentral'nykh  
rayonov nechernozemnyy polosy.  
(Corn (Kaizo))

MAKAREVICH, L.F.; ZHUK, V.L.; Balyura, V.I.; MEKHEDA, V.P.; YAKOVENKO, A.G.

Work of separation plants. Sakh.prom. no.4:17-20 Ap '60.

(MIRA 13:8)

1. Chernovitskiy sakhsveklotrest (for Makarevich, Zhuk, Balyura).
2. Stanislavskiy sovnarkhos (for Mekheda).
3. Bovshevskiy sakharney zavod (for Yakovenko).  
(Sugar industry)

BALYURA, Vladimir Ivanovich, kand. sel'khoz. nauk; ZOTOVA, L.A.,  
red.

[Breeding of early ripening types] Sel'skoe khoziaistvo na skorospelost'. Moskva, Izd-vo "Znanie," 1964. 44 p. (Novoe v zhizni, nauke, tekhnike. V Serii: Sel'skoe khoziaistvo, no.9)  
(MIRA 17:6)

Ch # BAILYURA, Y. M.

28

foam in measuring tanks. V. M. Balyura. *Sankharyu*  
*Prav.* 23, No. 6, 30(1951).—A spray of hot filtered juice on  
top of foaming defecated juice at the time of discharge from  
the measuring tanks helps to keep the tanks in sanitary  
condition. Foaming of juices is generally due to micro-  
organisms.  
V. R. Balkow

1951

REF ID: A73010

9/0058/63/000/006/Book/H004

SOURCE: RZh. Fizika, Abs. 6 Zh22

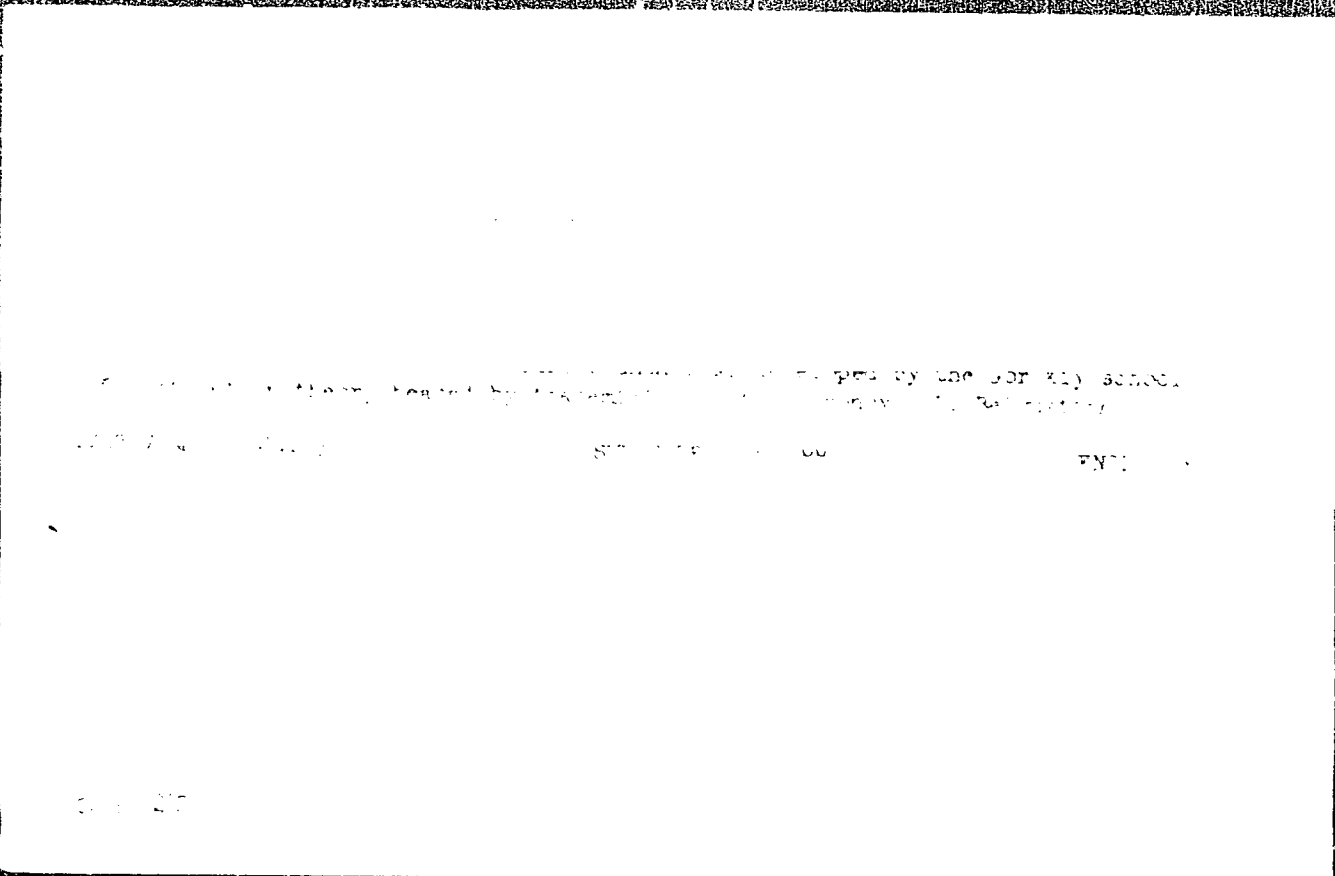
Application of qualitative methods to nonlinear systems

qualitative methods of systems of the form

$$\frac{dx}{dt} = -g(x) - f(x) \cdot z, \quad \frac{dz}{dt} = \dots \quad (1)$$

where f(x) and g(x) are nonlinear (not piecewise-linear) functions. Many problems

Card 1/2





BALIUTAVICIENE, D.

SVIGRYS, A., med. m. kand.; BALIUTAVICIENE, D.

Prevention of toxicosis in the 2d half of pregnancy. Sveik. apsaug.  
7 no.4(76):47-49 Ap '62.

1. Kauno Valstybinio medicinos instituto akuserijos-ginekologijos  
katadra. Katedros vedejan - akad. P. Masylis.

(PREGNANCY TOXEMIAS prev & control)

RUBTSOV, V.A.; SERGEYEV, V.I.; LUKANOVA, M.V.; KRASIL'NIKOV, A.I.;  
KRYUKOVA, V.N.; BELYUTINA, O.I.

Handbook on flax spinning. Reviewed by V.A. Rubtsov and others.  
Tekst.prom. 18 no.10:63-65 0 '58. (MIRA 11:11)

1. Zaveduyushchaya tekhnicheskoy bibliotekoy Orshanskogo l'no-  
kombinata (for Balyutina). (Flax)

ANICHKOV, M.N.; doktor med.nauk (Leningrad, Mokhovaya ul., d.28, kv.26);  
BALYUZEK, F.B.; PISAREV, Yu.F.; SKORIK, V.I.

Aortoplasty in coarctation. Vest.khir.90 no.2:41-44 F'63.

(MIRA 16:7)

1. Iz 1-y khirurgicheskoy kliniki usovershenstvovaniya vrachey  
(nachal'nik -- prof. P.A.Kupriyanov) Voenno-meditsinskoy ordena  
Lenina akademi imeni Kirova.

(AORTA--DISEASES) (SURGERY, PLASTIC)

USSR / General Biology: Individual Development.

B-4

Abs Jour : Ref Zhur - Biol., No 11, 1958, No 47598

Author : Balyuzek, F. K.

Inst : Academy of Sciences USSR

Title : The Regeneration Potential of Aortal Endothelium.

Orig Pub ; doklady Akad Nauk SSSR, 109, No 5, 1039-1040 (1956)

Abstract : Circular vascular sutures were applied to the abdominal and thoracic aortas (23 and 27 experiments, respectively) of dogs. In addition, 4-5 cm long defective sections of the thoracic aorta were replaced with polymethacrylate prostheses (15 experiments). Histologic studies have shown that under conditions of reparatory regeneration the aortal endothelium displays properties characteristic of other sections of the circulatory system. The damaged region in the endothelial lining at the suture was found to consist only of endothelial cells; 7-10 days after the operation, numerous

Card 1/2

BALYUZEK, F.V.

Resection of the aorta in experimentals on animals. Khirurgia no.2:  
49-55 P '54. (MIRA 7:5)

1. In Voenno-meditsinskoy akademii im. S.M.Kirova.  
(Aorta--Surgery)

BALYZEK, F.V.

Regenerative potentialities of the aortal endothelium. Dokl. AN SSSR  
109 no.5:1039-1040 Ag. 1956. (MIRA 9:10)

1. Voenno-meditsinskaya akademiya imeni S.M. Kirova. Predstavleno  
akademikom Ye.N. Pavlovskim.  
(AORTA) (ENDOTHELIUM)

BESEDINA, L.G.; Balyuzek, F.V.; Shalunovich, V.N.

Determination of the viability of vascular homotransplants by the  
method of fluorescence microscopy. Khirurgia 35 no.8:63-67 Ag  
'59. (MIRA 13:12)

(BLOOD VESSELS)

(FLUORESCENCE MICROSCOPY)

KOCHETYGOV, N.I., kand.med.nauk (Leningrad, P-46, Michurinskaya ul., d.1, kv.242); BALYZEK, F.V., kand.med.nauk; KISELEVA, M.V.

Experimental data on a comparative evaluation of homotransplantation of blood vessels preserved by various methods. Vest.khir. 83 no.9: 65-70 S '59. (MIRA 13:2)

1. Iz nauchno-issledovatel'skoy laboratorii vysokikh i niskikh temperatur pri kafedre patologicheskoy fiziologii (nachal'nik - prof. I.R. Petrov) i kafedry operativnoy khirurgii (nachal'nik - prof. A.N. Maksimenkov) Voenno-meditsinskoy ordena Lenina akademii im. S.M. Kirova.

(BLOOD VESSELS, transplantation)



BALYUZEK, F.V., kand.med.nauk (Leningrad, ul. Smirnova, d.8, kv.5)

Plastic surgery of the ascending aorta and its branches; survey of the literature. Vest.khir. 83 no.9:120-126 S '59. (MIRA 13:2)

1. Iz kafedry operativnoy khirurgii (nachal'nik - prof. A.N. Maksimenkov) Voenno-meditsinskoy ordena Lenina akademii im. S.M. Kirova. (AORTA, surgery)

SHANIN, Yu.N.; BURMISTROV, M.I.; Balyuzek, F.V.; ERMILOV, N.I.

Surgery on the open heart with the D. Milrose apparatus. Vest.  
khir. 84 no.1:129-132 Ja '60. (MIRA 13:10)  
(PERFUSION PUMP (HEART))

ANICHKOV, M.N., doktor med.nauk; BALYUZEE, F.V., kand.med.nauk;  
BURMISTROV, M.I., kand.med.nauk; PISAREV, Yu.P., kand.med.nauk;  
KHARITONOV, N.P., kand.med.nauk

Alloplasty of a segment of the aortic arch using the ostium and  
trunk portion of the left subclavian artery. Vest.khir. no.7:  
15-18 '61. (MIRA 15:1)

1. Iz 1-y khirurgicheskoy kliniki usovershenstvovaniya vrachey  
(nach. - prof. P.A. Kupriyanov) Voenno-meditsinskoy ordena  
Lenina akademii im. S.M. Kirova.  
(SUBCLAVIAN ARTERY-TRANSPLANTATION) (AORTA-SURGERY)

BALYUZEK, F.V., kand.med.nauk; SHANIN, Yu.N., kand.med.nauk;  
BURMISTROV, M.I.; YERMILOV, N.I.; KARIMOVA, T.V.

Use of extracorporeal circulation in experimental open heart  
surgery. Vest.khir. 87 no.11:24-30 N '61. (MIRA 15:11)

1. Iz 1-y khirurgicheskoy kliniki usovershenstvovaniya vrachey  
i kafedry anesteziologii (nach. - prof. P.A. Kupriyanov) Voenno-  
meditsinskoy ordena Lenina akademii im. S.M. Kirova.  
(PERFUSION PUMP (HEART))

BAI YUZEK, F.V.; BURMISTROV, M.I.; DZUTSOV, N.K.; YERMILOV, H.I.; KARIMOVA,  
T.V.; SKORIK, V.I.; UVAROV, B.S.; SHANIH, Yu N.; SHAMARINA, T.N.

Artificial circulation in surgery of the heart and large vessels.  
Grud.khir. no.4:33-39 J1-Ag '62. (MIRA 15:10)

1. Iz kliniki khirurgii usovershenstvovaniya vrachey No. 1 (nach. -  
deystvitel'nyy chlen AMN SSSR prof. N.A.Kupriyanov) V.yenno-  
meditsinskoy akademii imeni S.M.Kirova. Adres avtorov: Leningrad,  
K-9, pr. K.Marksa, d. 5/20 Khirurgicheskaya klinika dlya  
usovershenstvovaniya vrachey No. 1.

(HEART—SURGERY)  
(PERFUSION PUMP (HEART))

KUPIYANOV, P.A., prof.; KRUNKO, I.L., prof.; BALYUZEK, F.V., GLEBOV,  
Yu.I., SKORIK, V.I.; FARSHATOV, M.N.; YUR'EV, Yu.N.

Use of the artificial circulation method in traumatology. Vest.  
khir. 89 no.8:3-8 Ag '62. (MIRA 15:10)

1. Iz 1-y khirurgicheskoy kliniki usovershenstvaniya vrachey  
(nach. - prof. P.A.Kupriyanov) i kliniki travmatologii i ortopedii  
(nach. - prof. I.L.Krupko) Voenno-meditsinskoy ordena Lenina  
akademii im. S.M.Kirova. 2.Deystvitel'nyy chlen AMN SSSR (for  
P.A.Kupriyanov). Adres avtorov: Leningrad, pr. Karla Marksa, d.  
5/20, 1-ya khirurgicheskaya klinika usovershenstvaniya vrachey.  
(BLOOD—CIRCULATION ARTIFICIAL)  
(TRAUMATISM)

ANICHKOV, M.N. (Leningrad, D-28, Mokhovaya ul., d.28, kv.26); BALYUZEK, F.V.  
BURMISTROV, M.I.; PISAREV, Yu.F.; KHARITONOV, N.P.

State of the collaterals in coarctation of the thoracic aorta.  
Grud.khir. 4 no.6:30-33 H-D'62. (MIRA 16:10)

1. Iz 1-y khirurgicheskoj kliniki usovershenstvovaniya vrachej  
(nachal'nik - prof. P.A.Kupriyanov) Voenno-meditsinskoy or-  
dena Lenina akademii imeni S.M.Kirova.  
(AORTA--SURGERY) (CHEST--BLOOD SUPPLY)

ANICHKOV, M.N. (Leningrad, Mokhovaya ul., d.28, kv.26); BALYUZEK, F.V.;  
BURMISTROV, M.I.; PISAREV, Yu.F.; YERMILOV, N.I.

Resection and transplantation of a segment of the arch of the aorta  
with its branches (the carotid and subclavian arteries). *Gruñ.*  
khir. 3 no.1:9-13 Ja-F '61. (MIRA 16:5)

1. Iz khirurgicheskoy kliniki dlya usovershenstvovaniya vrachey  
No.1 (nachal'nik - deystvitel'nyy chlen AMN SSSR prof.  
P.A.Kupriyanov) Voenno-meditsinskoy ordena Lenina akademi  
imeni S.M.Kirova.

(CAROTID ARTERY—SURGERY) (SUBCLAVIAN ARTERY—SURGERY)  
(AORTA—SURGERY)



ANICHKOV, M.N.; BALYUZEK, F.V.

"Biological" prostheses for large blood vessels. Eksp. khir. i anest. 7 no.5:42-44 S-O '62. (MIRA 17:10)

1. Iz kliniki khirurgii usovershenstvovaniya vrachey No.1 (nachal'nik- deystvitel'nyy chlen AMN SSSR prof. P.A. Kupriyanov) Voenno-meditsinskoy ordena Lenina akademii imeni Kirova, Leningrad.



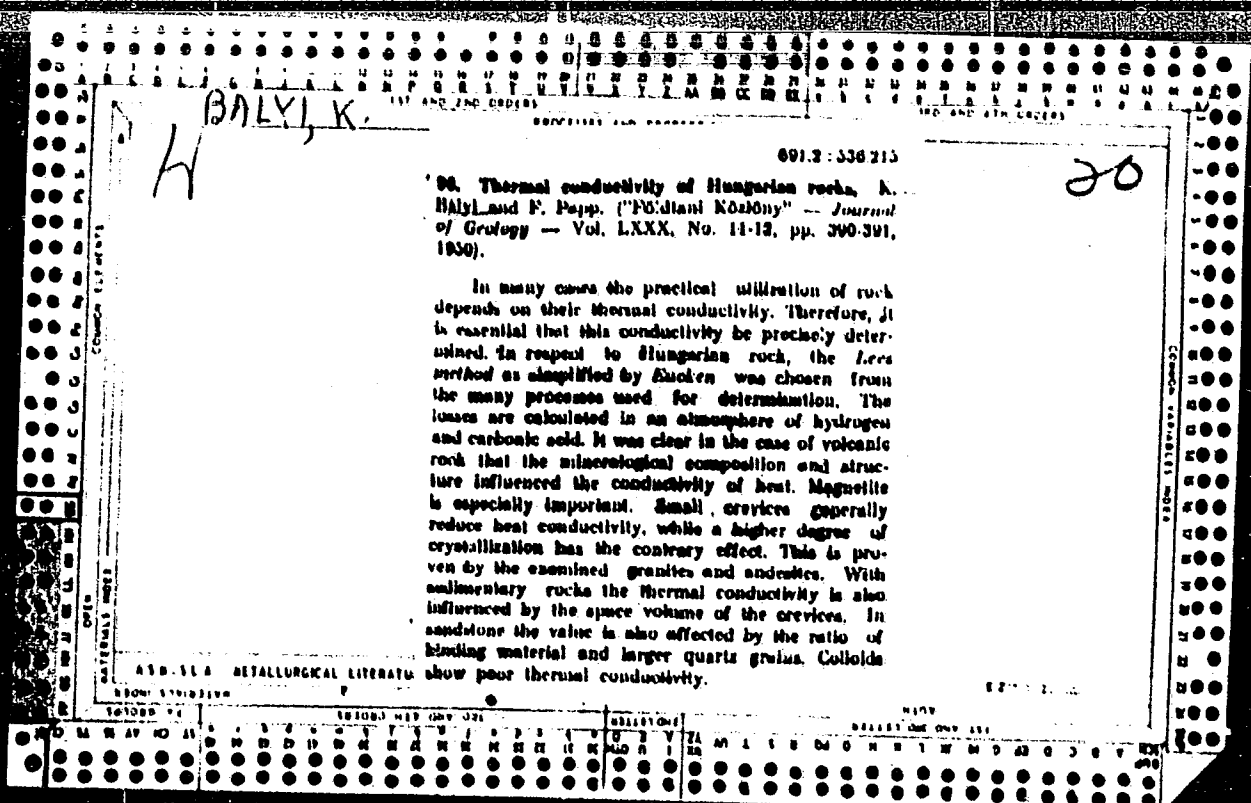
PROCESSES AND PROPERTIES INDEX

21

*ca* BALLYI, K.

The light-reflecting capacity of some Hungarian black and brown coals. Károly Halyi and Ferenc Papp. *Földtani Közlemények* 75/76, 32-9 (1945-46).—Twenty-five varied samples of Hungarian brown and black coals were investigated as to reflecting capacities in white light and in light of wave lengths 0.589, 0.527, and 0.475 mikrons. The reflecting capacities increase with the wave lengths of the applied light. The av. results obtained were 7.184 (at 0.589 mikron), 8.830 (at 0.527), 4.309 (at 0.475), and 0.079 in white light. Coals contg. ash rich in silica generally showed higher reflecting capacities than those with ash rich in Ca. István Pimály

METALLURGICAL LITERATURE CLASSIFICATION



BAL'ZAK, S. S., V. F. VASIL'VIN and I.A.G. FEIGIN, eds. Ekonomicheskaiia geografiia SSSR. Dopushcheno VKVSh pri SNK SSSR v kachestve uchebnika dlia ekonomicheskikh vuzov. v. 1 (408 p.); v. 2 (892 p.). v. 1 by I.A.G. Feigin, P.I. Kudlenok, B.L. Markus and others; v. 2 by I.A.G. Feigin, L.V. Opatskii, M.M. Galitskii and others. Moskva, Sotsekgiz, 1940. 2 v. (AN SSSR. Institut ekonomiki)

SO: IC, Soviet Geography, Part I, 1951; Uncl.

BAL'ZAK, S. S., ed.

Economic geography of the USSR, ed. by S. S. Balzak, V. F. Vasyutin and Ya. G. Feigin. American ed., edited by Chauncy D. Harris, tr. from the Russian by Robert M. Hankin and Olga Adler Titelbaum; pref. by John A. Morrison. New York, McMillan co., 1949. 620 p. maps (part fold.)

Bibliography: p. 557-562

Chapter VII: Distribution of Transport in the USSR (Basic types of transport), p.437

Section 3: Railroad transport of the USSR; new railroad construction (p. 449)

4: River transport (p.475)

5: Maritime transport (p.488)

6: Highway transport (p.494)

7: Air transport (p.500)

Geography textbook for Russian university students, which has been chosen for American publication by the Russian Translation Project of the American Council of Learned Societies. Written in 1939, it is a serious and factual economic geography, giving valuable information on the Russian country, resources, population, pre-war industries, agriculture, transportation. The American edition has additional maps, table and statistics for the last decade. Includes also propaganda.

DLC: HC333.B33

80: Soviet Transportation and Communications, A Bibliography, Library of Congress, Reference Department, Washington, 1952 Unclassified.

BALZAK, S. S , ed.

Economic geography of the USSR. Edited by S.S. Balzak, V.F. Vasyutin, and Ya. G. Feigin. New York, Macmillan, 1949.

xiv, 620 p. charts, maps, tables. (American Council of Learned Societies. Russian Translation Project.)

Translated from the original Russian: Ekonomicheskaya geografiya SSSR.

Bibliography: p. 557-566

ZAKHAROV, K.D.; BAL'ZAMOV, D.M.

Machining of ferrites. Av.prom. 26 no.8:21-25 Ag '57.

(Ferrite (Steel constituent)) (Grinding and polishing) (MIRA 15:4)  
(Ultrasonic metal cutting)



VLASOV, Mikhail Vasil'yevich; BAL'ZAMOV, Dmitriy Parmenovich; ZHUKOV,  
Fedor Trofimovich; SEMENOV, S.M., red.; ANDREYEVA, L.S.,  
tekhn. red.

[Auditing committee of a factory and plant local committee] Re-  
vizionnaia komissia FZMK. Moskva, Profizdat, 1962. 63 p.  
(Bibliotekha profsoiuznogo aktivista, no.5(29)) (MIRA 15:5)

(Trade unions)

(Auditing)

**BALZAMOVA, L. N.**  
**CA**

PROCESSING AND PROPERTY INDEX

7

A conductometric method for the determination of sulfates in water. A. I. Rybnikova and L. N. BalzamoVA. *Zhurnal Khim. Fiz.* 11, 1803 (1943). Pure water. Sulfates can be titrated conductometrically with Ba(OAc)<sub>2</sub> in alc. soln. at concns. of SO<sub>4</sub><sup>2-</sup> higher than 16 mg./l. Addn. of BaCl<sub>2</sub> suspension before the titration as proposed by Valushteln produced no favorable results. Sulfates can be detd. in natural waters by the conductometric method if the concn. of chlorides does not exceed 20-5 mg./l. Titrations in the presence of pure alc. were carried out under the following conditions: add an equal vol. of alc. to the soln. (decreasing the soly. of BaSO<sub>4</sub>), titrate with Ba(OAc)<sub>2</sub> solns. of various concns. (depending on the concn. of the sulfates), and det. the elec. cond. 2-3 min. after the addn. of standard Ba(OAc)<sub>2</sub> soln. Good results were obtained with solns. contg. 15-100 mg. of SO<sub>4</sub><sup>2-</sup> per l. At lower concns. the results were unsatisfactory. Rpts. with denaturated alc. gave unsatisfactory results. Three references. W. R. Henn

ASM-SL-A METALLURGICAL LITERATURE CLASSIFICATION

SECTION NO. 1

SECTION NO. 2

SECTION NO. 3

SECTION NO. 4

SECTION NO. 5

SECTION NO. 6

SECTION NO. 7

SECTION NO. 8

SECTION NO. 9

SECTION NO. 10

SECTION NO. 11

SECTION NO. 12

SECTION NO. 13

SECTION NO. 14

SECTION NO. 15

SECTION NO. 16

SECTION NO. 17

SECTION NO. 18

SECTION NO. 19

SECTION NO. 20

SECTION NO. 21

SECTION NO. 22

SECTION NO. 23

SECTION NO. 24

SECTION NO. 25

SECTION NO. 26

SECTION NO. 27

SECTION NO. 28

SECTION NO. 29

SECTION NO. 30

SECTION NO. 31

SECTION NO. 32

SECTION NO. 33

SECTION NO. 34

SECTION NO. 35

SECTION NO. 36

SECTION NO. 37

SECTION NO. 38

SECTION NO. 39

SECTION NO. 40

SECTION NO. 41

SECTION NO. 42

SECTION NO. 43

SECTION NO. 44

SECTION NO. 45

SECTION NO. 46

SECTION NO. 47

SECTION NO. 48

SECTION NO. 49

SECTION NO. 50

SECTION NO. 51

SECTION NO. 52

SECTION NO. 53

SECTION NO. 54

SECTION NO. 55

SECTION NO. 56

SECTION NO. 57

SECTION NO. 58

SECTION NO. 59

SECTION NO. 60

SECTION NO. 61

SECTION NO. 62

SECTION NO. 63

SECTION NO. 64

SECTION NO. 65

SECTION NO. 66

SECTION NO. 67

SECTION NO. 68

SECTION NO. 69

SECTION NO. 70

SECTION NO. 71

SECTION NO. 72

SECTION NO. 73

SECTION NO. 74

SECTION NO. 75

SECTION NO. 76

SECTION NO. 77

SECTION NO. 78

SECTION NO. 79

SECTION NO. 80

SECTION NO. 81

SECTION NO. 82

SECTION NO. 83

SECTION NO. 84

SECTION NO. 85

SECTION NO. 86

SECTION NO. 87

SECTION NO. 88

SECTION NO. 89

SECTION NO. 90

SECTION NO. 91

SECTION NO. 92

SECTION NO. 93

SECTION NO. 94

SECTION NO. 95

SECTION NO. 96

SECTION NO. 97

SECTION NO. 98

SECTION NO. 99

SECTION NO. 100

BELZAR, Jiri, ins.

Solution of a simple frame by the slope-deflection method. Ins  
stavby 11 no.3:115-116 Mr '63.

BALZAR, Jiri, ins.

Membrane stress of rotary shells for centrally asymmetric wind load. Ins stavby 12 no.9:409-411 S '64.

1. Vodni stavby National Enterprise, Prague.

WHLZAK, MUDr.

FAIT, Moimir, MUDr. As.; BALZAR, Milos, MUDr.

Plastic splints. Acta chir. orthop. traum. cech. 22 no.1-2:11-12  
Feb 55.

1. Orthoped. klin. v Brno; predn. MUDr. Bedrich Fejka, prof.  
(SPLINTS  
plastic, evaluation)

BAL'ZAR, M.

Restorative therapy following open fixation of congenital hip dislocations. Ortop., travm. i protez. 20 no. 11:57-62 N '59.

(MIRA 13:4)

1. Iz Kladrubakogo gosudarstvennogo instituta vosstanovitel'noy terapii (direktor - M. Bal'zar), Chekhoslovakiya.  
(HIP fract & disloc.)

BALZAR, Milos (Kladruby u Vlasime)

Congenital hypoplasia of the lower extremities; rehabilitation therapy.  
Acta chir. orthop. traum. cech. 26 no.1:80-91 Feb 59.

1. Stantni ustav rehabilitacni v Kladrubech u Vlasime.  
(LEG, abnorm.  
hypoplasia, rehabil. (Cz))

BALZAR, Milos

On rehabilitation. Rozhl. chir. 40 no.12:770-775 '61.

1. Statni ustav rehabilitacni v Kladrubech u Vlasimi, Peditel MUDr.  
Milos Balzar.

(REHABILITATION)



BAIZAR, M.

Rehabilitation of patients with lesions of the shoulder plexus.  
Acta chir. orthop. traum. cech. 31 no.5:465-472 0 '64.

1. Statni ustav rehabilitacni v Kladrubech u Vlasimi (reditel  
MUDr. M. Balzar).

BALZAR, M.

Combined therapy, rehabilitation and orthopedics. Acta chir.  
orthop. traum. Cech. 31 no.3:279-282 Je '64.

BALZAR, M.

Therapeutic rehabilitation of amputees above the elbow. Acta chir. orthop. traum. Cech. 32 no.2:177-182 Ap'65.

1. Statni Ustav rehabilitacni v Kladrubech u Vlasimi (reditel: MUDr. M. Balzar).

SURIN, V.; BALZAROVA, J.; SRDECNY, V.

Our experiences with rehabilitation in wounds of the brachial plexus. Cesk. neurolog. 26 no.6:417-421 N°63.

1. Státní ústav rehabilitační v Kladrušech, reditel MUDr. M. Balzar.

\*

*Dr. abs. DALLEN, I*

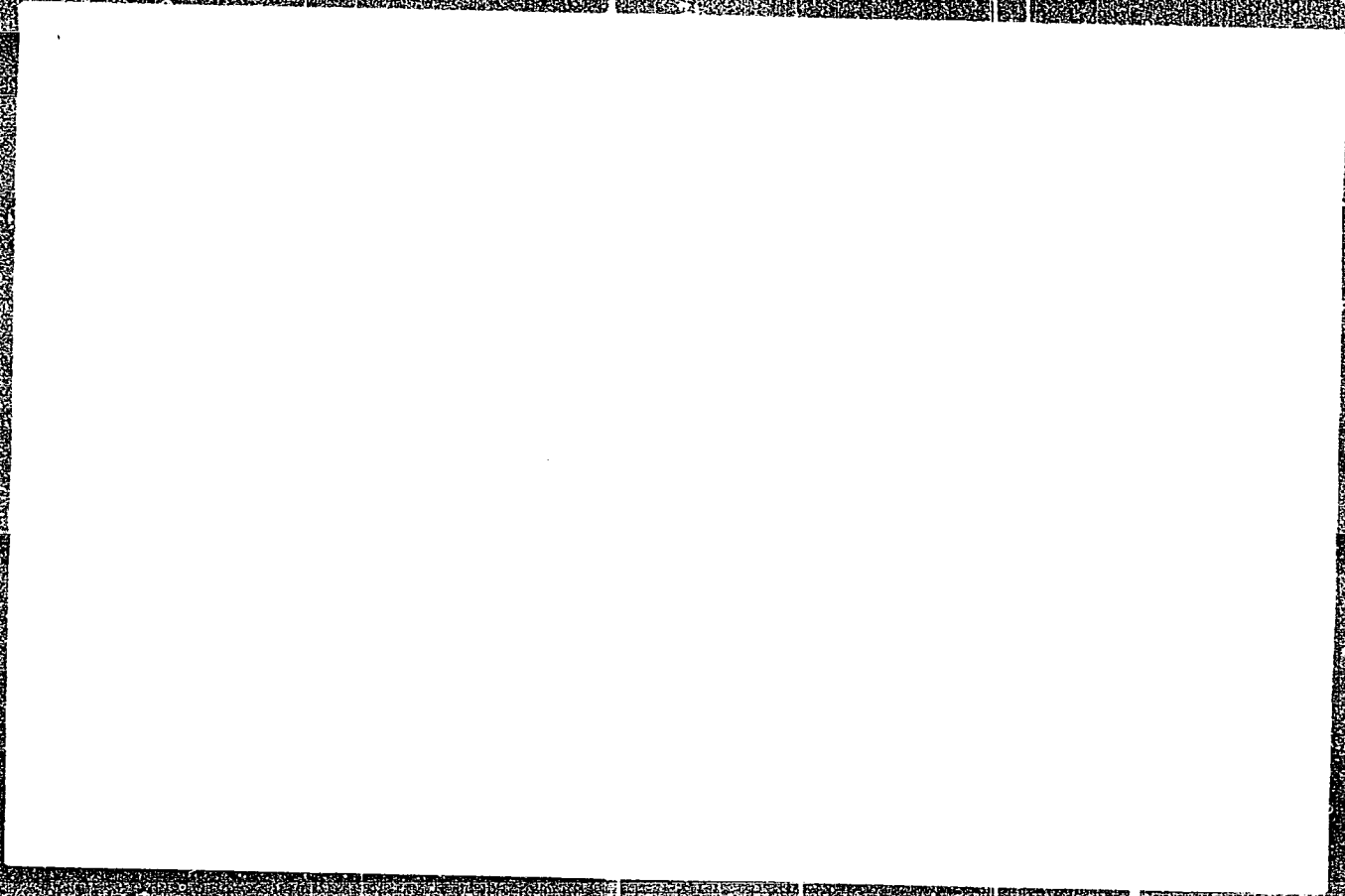
*5/11/61 Ugan culture*

Comparison of methods for determining the number of bacteria in milk. I. Balzer (*Arch. Sci. Agric., Zagreb, 1960, 12, 183-190*).—Breed's direct count was unreliable with a low bacterial count while the Methylene-blue reductase test was unreliable with a high one. The decoloration of Methylene-blue was a function depending on the exponential increase in the no. of bacteria in milk.

P. J. Bovis.

"APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000103330007-4



APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000103330007-4"

LAZAREV, A.A., inzhener; MITSYN, P.V., inzhener; NIKIFOROV, A.A., inzhener;  
ROZET, I.Ya., inzhener; TROITSKIY, I.F., inzhener; SECHERBINA, V.I.,  
inzhener; BALZHA, M.F., inzhener, redaktor; TRASHUTIN, I.Ya., in-  
zhener, redaktor; PESTRYAKOV, A.I., redaktor; ORLOVA, V.V., tekhnicheskiy redaktor.

[Assembling and disassembling the "Stalinets-80" tractor] Razborka  
i sborka traktora "Stalinets-80." Pod red. M.F.Balshi i I.IA.Trashutina. 4-e izd., ispr. i dop. Moskva, Gos. izd-vo selkhoz. lit-ry,  
1954. 429 p. (MLRA 7:10)

(Tractors)

BAL'ZHENAS, A. [Balzenas, A.], inzh. (Kaunas); NEMANIS, P., inzh.  
(Kaunas)

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(MIRA 14:4)  
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BALZHI, Mikhail Fedorovich, kand.tekhn.nauk; YESIN, Grigoriy Dmitriyevich, inzh.; SERGEYEV, M.P., prof., red.; SVET, Ye.B., red.; KOLBICHEV, V.I., tekhn.red.

[Joint coupling with flexible dynamic connections and its vibration damping properties] Soedinitel'naya mufta s uprugimi dinamicheskimi svyaziami i ee antivibratsionnye svoistva. Pod red. M.P.Sergeeva. Cheliabinsk, Cheliabinskoe knizhnoe izd-vo, 1959. 49 p.

(MIRA 13:4)

(Couplings)

S/145/62/000/002/003/009  
D262/D308

AUTHORS: Balzhi, M.F., Candidate of Technical Sciences, Docent,  
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TITLE: The effect of the linear parameters of the impulsator  
on some work factors of the inertial torque converter

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Mashinostroye-  
niye, no. 2, 1962, 23 - 28

TEXT: The paper is a continuation of a previous one by G.G. Vasin. The effect of the linear parameters of the impulse mechanism on the character of the shaft motion is investigated. The following converter factors are taken into account: 1) Variation of rotation of the leading shaft, when the reactor is at rest for various speeds of the motor. 2) Variation of rotation and synchronization of movement of all shafts (direct drive) for various speeds. 3) Variation of rotation of the leading and driven transmission shafts for various gear ratios and constant speed. 4) Motion curve of reactor for constant speed and various gear ratios. 5) Characteristic boundary points on the reactor motion curves defining the transitional operation.  
Card 1/2

The effect of the linear ...

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ting conditions inside the cycle. It is stated that the experimental results agree fully with the theoretical ones. There are 1 table and 7 figures.

ASSOCIATION: Chelyabinskiy politekhnicheskiy institut (Chelyabinsk Polytechnic Institute)

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Card 2/2

BALZHI, M.F.; BEREZKIN, P.N.; GOL'DSHTEYN, Ya.Ye.; GAL'PERIN, Ye.B.;  
YEDLICHKO, V.V.; KERAS, A.F.; LEKUS, I.D.; POTEKUSHIN, N.V.;  
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