

BORODICH, V.D.; GOLUB¹, A.P.; KOMBAROV, A.K.; KREMELEV, M.G.; MOROZ, N.K.;
SAMOYLOV, B.N.; FIL¹KIN, V.Ya.

Critical currents of Nb-Zr alloys in an external magnetic
field. Zhur. eksp. i teor. fiz. 44 no.1:110-115 Ja '63.
(MIRA 16:5)
(Niobium-Zirconium alloys—Electric properties)
(Magnetic fields)

BORODICH, Vera Vladimirovna

Academic degree of Doctor of Philological Sciences, based on her defense, 11 January 1954, in the Council of the Moscow Order of Lenin State U imeni Lomonosov, of her dissertation entitled: "Relations of the aspects of the old slavonic verb."

Academic degree and/or title: Doctor of Sciences

SO: Decisions of VAK, List no. 222, 12 Nov 55, Byulleten' MVO
SSSR, No. 19, Oct 56, Moscow, pp. 13-24, Uncl. JPRS/NY-536

1. BORODICH, Z.N.
2. USSR (600)
4. Agriculture
7. Smolensk flax. Smolensk, Smolgiz, 1952

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

USSR / Cultivated Plants. Plants for Technical Use. M-6
Sugar Plants.

Abs Jour: Ref Zhur-Biol., 1958, No 16, 73052.

Author : Dorodich, Z. N.
Inst : Smolenskaya State Agricultural Experimental Station.
Title : On a Method of Primary Seed Growing of *Linum L.*
elongata.

Orig Pub: Byul. nauchno-tekhn. inform. Smolenskoy gos. s.-k.
opytn. st., 1957, No 1, 33-36.

Abstract: A perfected method of primary seed growing of *Linum elongata* is described which was proposed by the station and used for a series of years. The generally-accepted, current, spaced-planting system of seed growing decreased the yield and quality of fiber, contributes to the development of hybrid

Card 1/3

98

USSR / Cultivated Plants. Plants for Technical Use. M-6
Sugar Plants.

Abs Jour: Ref Zhur-Biol., 1958, No 16, 73052.

Abstract: diseases, and the yearly individual selection of a small quantity of plants weakens their inheritance stock. It is proposed to conduct seed growing in the first three years in one nursery for renewal and selection with normal seeding of 100 kg/ha. Here, intra-variety hybridization occurs and, as regards the essence of mass positive selection, the following characteristics are used: determination of the elongate type, absence of diseases and tendency to droop. In the second year the seeds of the control nursery are planted by pockets (35 seeds per pocket). Evaluation is conducted by eye according to the same characteristics as in the first year; fiber yield is not determined since this characteristic varies strongly within

Card 2/3

USSR / Cultivated Plants. Plants for Technical Use. M-6
Sugar Plants.

Abs Jour: Ref Zhur-Biol., 1958, No 16, 73052.

Abstract: one variety. Thus, instead of 200-1000 seeds in a control nursery, there can be planted 30-40 thousand seeds. All this eases the practice of primary seed growing and creates conditions which act toward increasing the fibrous structure. --
Ye. Z. Geydel'berg.

Card 3/3

99

USSR/Cultivated Plants - Technical, Oleaginous, Sacchariferous. 11-7

Abs Jour : Ref Zhur - Biol., No 9, 1956, 39410

Author : Dorošich, Z.N.

Inst : State Commission for the Testing of Agricultural Crops
of the Department of Agriculture, USSR.

Title : L - 1120 Variety of Fiber Flax and Its Agrotechnical
Particularities.

Orig Pub : Inform. byul. Gos komiss. po sortovsyt. s. Kh. kul'tur
pri M-vn s. Kh., USSR, 1957, No 6, 14-16.

Abstract : It is noted, on the basis of the findings of field expe-
riments and comparative testing conducted by the Smolensk
agricultural experimental station; that the L-1120 varie-
ty (developed by this station) differs from other varie-
ties by richer foliation, also by larger flowers, bolls
and seeds. But the size of seeds varies greatly depending

Card 1/2

- 112 -

USSR/Cultivated Plants - Technical, Oleaginous, Sacchariferous.

H-7

Abs Jour : Ref Zhur - Biol., No 9, 1958, 39410

on conditions of cultivation. This variety is characterized by a delayed development in its first period of life and by a prolonged vegetation period. The quantity of P and K has to be 2-4 times as great as that of H, in order to obtain fibers of good quality. The harvesting must be done in the period of early-yellow ripeness. The quantity of lignin in the fiber strongly increases and its spinning qualities deteriorate sharply by a delay of harvesting. In order to determine the period of harvesting, it is necessary to pay attention to the state of the seeds (light yellow coloration) as, contrary to other varieties, this one retains its light boll and stem color for a long time. -- A.M. Shironov

Card 2/2

BORODICOVA, Nina

Effect of the method of conservation of the materials serving
for determination of the weight of living benthonic fauna.
In Russian. Biologia 16 no.2:122-129 '61. (EEAI 10:8)

1. Laboratoria rybovodstva filiala Chekhoslovatskoy akademii
selskokhoziaistvennykh nauk, Bratislava.
(BENTHOS) (MARINE FAUNA)

SOV/68-59-6-14/25

AUTHORS: Protod'yakonov, V.G., and Borodikhin, A.P.

TITLE: Sampling of Combustion Products from Coke Oven Flues
(Otbor prob produktov gorennya iz otopitel'nykh
kanalov koksovykh pechey)

PERIODICAL: Koks i Khimiya, 1959, Nr 6, pp 54-55 (USSR)

ABSTRACT: A tube for collecting gas samples from coke oven heating
flues is described and illustrated. It is a stainless
steel tube internally lined with porcelain tubes wound
with thin asbestos string. The inlet of the tube is
coated with a mass made from asbestos and liquid glass.
It is claimed that the sampling tube is more durable
than the usual quartz tube.
There are 2 figures.

Card 1/1

ASSOCIATION: Kuznetskiy metallurgicheskiy kombinat
(Kuznetsk Metallurgical Combine)

PROTOD'YAKONOV, V.G.; BORODIKHIN, A.P.

Measuring the temperatures of brickwork by the height of heating flues. Koks i khim. no.2:27-29 '60. (MIRA 13:5)

1. Kuznetskiy metallurgicheskiy kombinat.
(Coke ovens) (~~Temperature~~--Measurement)

BORODIKHIN, A.P.

Picking samples of combustion products along the oven-bottom regenerator channels. koks i khim. no.8:25-26 '61. (MIRA 15:1)

1. Kuznetskiy metallurgicheskiy kombinat.
(Coke ovens) (Gas as fuel--Analysis)

KORNEVA, N.K.; BORODIKHIN, A.P.

Selecting the shape of bottom dampers. Koks i khim. no.4:
24-28 '62.. (MIRA 16:8)

1. Kuznetskiy metallurgicheskiy kombinat.
(Coke ovens)

BORODIKHIN, A.P.; KURBATOV, Yu.L.; LUKOMSKAYA, N.O.

Studying gas dynamics in the heating system of the large-capacity
type PVR coke ovens. Koks i khim. no.10:31-35 '63.

(MIRA 16:11)

1. Kuznetskiy metallurgicheskiy kombinat.

BORODIKHIN, I.F.

Ecology of the blue thrush (*Myophonus caeruleus turcestanicus*
Zar.). Trudy Inst. zool. AN Kazakh. SSR 13:181-184 '60.

(MIRA 13:7)

(Malaya Almatinka Valley--Thrushes)

BORGDIN, A.

Present state and possibilities for the development of hybrid
and certified corn processing plants and sections. Muk.-elev.
prom. 27 no.8:6-7 A1 '61. (MIRA 14:7)

1. Gosudarstvennyy komitet zagotovok Soveta Ministrov SSSR.
(Corn (Maize)---Storage)

BORODIN, A., kand. ekonom. nauk

A useful manual on the quality of grain and of its products
by V.T. Tevesian, B.M. Mashkov, F.I. Biriukov. Reviewed by
A. Borodin. Muk.-elev. prom. 28 no.1:31-33 Ja '62.

(MIRA 16:7)

(Grain) (Cereal products) (Tevesian, V.T.)
(Mashkov, B.M.) (Biriukov, F.I.)

BORODIN, A., kand. ekonom. nauk

Fixed capitals of grain receiving enterprises at the beginning of the fifth year of the seven-year plan. Muk.-elev. prom. 29 no.9:7-11 S '63. (MIRA 17:1)

1. Gosudarstvennyy komitet zagotovok Soveta Ministrov SSSR.

BORODIN, A.A.

Increase the technical and economic effectiveness of pneumatic conveying systems introduced at grain mills. Muk.-elev. prom. 26 no.2:21-22 P '60. (MIRA 13:6)

1. Gosudarstvennyy komitet Soveta Ministrov SSSR po khlebopro-
duktam.

(Grain-handling machinery)

(Pneumatic-tube transportation)

BORODIN, A.A.

Make efficient use of the basic assets of grain receiving
stations. Muk.-elev.prom. 26 no.8:15-18 Ag '60.
(MIRA 13:8)

1. Gosudarstvennyy komitet Soveta Ministrov SSSR po khleboproduktam.
(Grain elevators)

BORODIN, A.

Speed and characteristics of the growth of the fixed capital of enterprises under the administration of grain products. Muk.-elev.prom. 26 no.7:20-22 J1 '60. (MIRA 13:8)

1. Gosudarstvennyy komitet Soveta Ministrov SSSR po khleboproduktam.
(Grain trade)

BORODIN, A., kand.ekonom.nauk

Increase of the fixed capital of grain receiving enterprises and improvement of their structure during the past three years of the seven-year plan. Muk.-elev. prom. 28 no.9:12-17 S '62. (MIRA 15:10)

1. Gosudarstvennyy komitet zagotovok Soveta Ministrov SSSR.
(Grain)

BELOZEROV, G.; BORODIN, A.; KAGAN, A.; PLATONOV, A.; CHUKHAR'KO, Z.

Methods of determining the economic effectiveness of investments
in the grain storing and milling industry. Muk.-elev. prom. 26
no.10:21-23 0'60.

(MIRA 13:10)

(Grain--Storage) (Grain milling)

BORODIN, A., kand.ekonomicheskikh nauk

"Annotated bibliography of Soviet literature on the quality
and storage of pulse crop seeds." No.1. Reviewed by A. Borodin.
Muk.-elev. prom. 28 no.7:31-32 J1 '62. (MIRA 15:9)
(Bibliography--Seeds--Storage)

BORODIN, A.A., inzhener.

~~SECRET~~

Effect of concentrating the hydraulic mass on the solidity of
filled earth. Gidr.stroi. 25 no.11:49-50 D '56. (MIRA 10:1)
(Hydraulic engineering) (Dams)

BORODIN, A.A.

BORODIN, A.A., inzhener.

The problem of the deposited layer in deep drainage wells in the
foundation of a hydroelectric station. Gidr.stroi. 26 no.8:41-45
Ag '57. (MIRA 10:10)
(Drainage) (Stalingrad hydroelectric power station)

BORODIN, Aleksandr Andreyevich

Automatic machine for taking up rails. Put' i put.khoz. no.11:46
N '57. (MIRA 10:11)

1. Glavnyy konstruktor konstruktorskogo byuro Khabarovskogo
instituta inzhenerov zheleznodorozhnogo transporta.
(Railroads--Track)

SOV-109-3-4-22/2

AUTHOR: Borodin, A. A.

TITLE: Frequency Doubling in a Backward-Wave Tube (Udvoyeniye chastoty v lampe obratnoy volny)

PERIODICAL: Radiotekhnika i Elektronika, 1958, Vol 3, Nr 4, pp 572-573 (USSR)

ABSTRACT: The phenomenon of frequency doubling, or simultaneous generation of two frequencies, was observed in backward-wave tubes fitted with slow-wave systems containing a double helix. The signal of the doubled frequency was investigated in 4 different tubes; the first tube had a double helix made of molybdenum wire, having a diameter of 0.5 mm, the diameter of the core of the helix being 3 mm and its period 2 mm; the remaining 3 tubes employed a double helix having the core diameter of 4 mm and the period of 3.2 mm. The wavelength of the fundamental and the doubled frequency waves was measured as a function of the voltage applied to the spiral and the results are plotted in the figure on p 572. It was found that the 2 curves are almost coincident. There

Card 1/2

SOV-109-3-4-22/28

Frequency Doubling in a Backward-Wave Tube

is 1 figure and there are 2 Soviet references.

ASSOCIATION: Fizicheskiy fakul'tet Moskovskogo gosudarstvennogo universiteta im. M. V. Lomonosova (Physics Department of the Moscow State University im M. V. Lomonosov)

SUBMITTED: April 3, 1957

1. Electron tubes--Performance 2. Electron tubes--Design 3. Electron tubes--Materials 4. Radio frequencies--Analysis

Card 2/2

L 63868-65 EWT(d)/EWP(h)/EWP(1)

ACCESSION NR: AP5021557

UR/0286/65/000/013/0024/0024
625.144.5

AUTHOR: Borodin, A. A.; Gol'tsman, V. A.; Grigorov, V. G.; Danilyuk, A. D.;
Mokh, V. K.; Margolin, A. I.

TITLE: A device for mechanical installation of railroad track sections. Class 19,
No. 172345

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 13, 1965, 24

TOPIC TAGS: railroad, railway construction, railway engineering

ABSTRACT: This Author's Certificate introduces: 1. A device for mechanical installation of railroad track sections. The unit consists of a flatcar which can be moved along the track. The devices needed for mechanical installation of the track sections are located on the frame of the car. The device is designed for efficient mechanization of the process and for continuous and uninterrupted operation. The installation mechanisms are made in the form of synchronously moving conveyers mounted one above the other in pairs. A lower pair of conveyers carries clamps for the crossties. A middle pair carries a pulsating rack with catches for picking up the blocking, which is finished with spike tips upward. This middle pair of convey-

Card 1/2

L 63868-65

ACCESSION NR: AP5021557

ers feeds the blocking to a press with an electric drive mechanism for assembling all the elements of the track framework into a section which is ready for laying. An upper pair of conveyers is equipped with a pneumatic pushrod and rollers for feeding both rails to the press. The car also contains a mechanism for moving the assembled section along the installation unit. 2. A modification of this device with a centering unit for placing the cross ties in the roadbed on a curve. The centering unit is made in the form of a horizontal bar which is an extension of the pneumatic cylinder rod with a spring-return clamp hinged to its end. 3. A modification of this device with provision for simultaneously pressing both ends of the cross tie on to all vertically standing spikes at once. The press is made in the form of a crank-shaft and connecting rod mechanism interlinked with a press table which is located symmetrically with respect to the longitudinal axis of the press. The press is equipped with electromagnetic punches.

ASSOCIATION: ~~Proyektno-konstruktorskoye~~ byuro Khabarovskogo instituta inzhenerov zheleznodorozhnogo transporta (Design and Planning Office of the Khabarovsk Institute of Railroad Transportation Engineers)

SUBMITTED: 02Dec63

NO REF SOV: 000

ENCL: 00

OTHER: 000

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Card 2/2

PHASE I BOOK EXPLOITATION SOV/4010
SOV/42-S-127

Borodin, A. B., and P. K. Koldayev

Podgotovka topograficheskikh kart k izdaniyu metodom
gravirovaniya (Preparing Topographical Maps for
Publication by the Engraving Method) Moscow,
Geodezizdat, 1958. 59 p. (Series: Moscow.
Tsentral'nyy nauchno-issledovatel'skiy institut
geodezii, aeros'yemki i kartografii, Trudy, vyp.
127) Errata slip inserted. 1,000 copies printed.

Sponsoring Agency: USSR. Glavnoye upravleniye geodezii
i kartografii.

Ed.: G. N. Bashlavina; Ed. of Publishing House:
T. A. Shamarova; Tech. Ed.: V. V. Romanova.

PURPOSE: This book is intended for cartographers in-
terested in the use of engraving in mapmaking.

~~Card 1/5~~

Preparing Topographical Maps (Cont.)

SOV/4010

COVERAGE: This publication is No. 127 of the Transactions of the Central Scientific Research Institute of Geodesy, Aerial Surveying and Cartography. Results of special research undertaken by the Institute to develop engraving methods for use in cartographic work are given. The book describes methods and techniques of engraving and the instruments used. The introduction and the first two chapters were written by A. V. Borodin; chapters 3 and 4 are by P. K. Koldayev. The following science workers are mentioned: A. V. Volkhonskiy (deceased), V. M. Galkin, V. K. Dmitriyev, V. A. Titova, N. I. Ivanov, and V. A. Trusova. There are no references.

TABLE OF CONTENTS:

Foreword	
Introduction	3
Card 2/5	4

Borodin A.

BORODIN

Corn and its role in the national economy. Muk.-elev.prom. 23
no.5:14-18 My '57. (MIRA 10:9)

1. Ministerstvo khleboproduktov SSSR.
(Corn (Maize))

BORODIN, A.

USSR/Chemical Technology - Chemical Products and Their
Application. Food Industry.

I-13

Abs Jour : Ref Zhur - Khimiya, No 1, 1958, 2924

Author : Borodin, A.

Inst :

Title : Industrial Utilization of Corncobs

Orig Pub : Mukomol.-elevat. prom-st', 1957, No 7, 15-16

Abstract : No abstract.

Card 1/1

BORODIN, A.

BORODIN, A.

Soviet designers, builders, mill and elevator assemblers abroad.
Muk.-elev. prom. 23 no.8:4-5 Ag '57. (MIRA 10:11)

1. Ministerstvo khleboproduktov SSSR.
(Korea, North--Technical assistance) (Afghanistan--Technical assistance)
(Flour mills)

BOBODIN, A.
BOBODIN, A.

Grain elevators and granaries on the 40th anniversary of the Great
October Revolution. Muk.-elev. prom. 23 no.11:8-10 N '57.
(MIRA 11:1)

1. Ministerstvo khleboproduktov SSSR.
(Grain elevators) (Granaries)

BORODIN, A.

Provide collective and state farms with hybrid and certified seed corn. Muk.-elev. prom. 24 no.9:4-5 S '58. (MIRA 11:10)

1. Ministerstvo khleboproduktov SSSR.
(Corn (Maize))

DIL', A.; CHARUGINA, N.; BORODIN, A.; SOLODOVNIK, P.; SKLYAR, I.;
SOLOVKIN, N.; POTAPOV, G.; PONOMAREV, N.; ALEKHIN, I. ;
SOLOMENTSEV, K.; TOPYLIN, N.; SKOROVAROV, M.; KARABANOV, S.;
BOGDANOV, N.; STRYUKOV, P.

Nikolai Vasil'evich Romenskii (on the occasion of the 40th
anniversary of his scientific, pedagogic, and public activity).
Muk.-elev. prom. 24 no.12:29-30 D '58. (MIRA 12:1)
(Romenskii, Nikolai Vasil'evich, 1894-)

BORODIN, A.I.; SIRAZUTDINOVA, Z.M.

Developing the method of technological evaluation of the warp
yarn for weaving. Nauch.-issl.trudy TSNIKHBI za 1958 g:95-115.
(MIRA 16:1)

(Yarn--Testing)

BORODIN, A. *D*

Socialist competition at plants for preparing hybrid and certified
seed corn. Muk-elev.prom. 25 no.1:3-4 Ja '59. (MIRA 12:3)

1. Gosudarstvennyy komitet Soveta Ministrov SSSR po khleboproduktam.
(Corn (Maize)--Grading)

BORODIN, A. B

Mixed feed production in 1959-1965. Muk.-elev.prom. 25 no.2:4-6
F '59. (MIRA 12:4)

1. Gosudarstvennyy komitet Soveta Ministrov SSSR po khlebo-
produktam.

(Feed mills)

(Grain milling)

30(1)

SOV/35-59-2-24/48

AUTHOR:

Borodin, A.B.

TITLE:

From the Plant to the Fields (s zavoda
na polya)

PERIODICAL:

Nauka i zhizn', 1959, Nr 2, p 65 and p 4 of
centerfold (USSR)

ABSTRACT:

This article deals with the use of hybrid
corn seeds, to increase corn crops. To now,
39 plants intended for the preparing of hy-
brid and highly qualified seeds with an out-
put of 185,000 tons per season have been
established in Moldavia, the Ukraine and in
Kazakhstan. The author gives a detailed de-
scription of the production methods of such
a plant. There is 1 diagram and 1 map.

Card 1/1

BOBODIN, H. L.

3825. Assay methods of subsidiary blood alkalinity according to Van Slyke. A. E. Bobodin *Trud. Blagoveshchensk. med. Inst.*, 1955,

1. 164-166; *Refmat. Zh. med. Klin.*, 1956, Abstr. No. 12266. — Comparative data of the amount of subsidiary alkalinity (SA) in the blood, as determined in the plasma, according to the Van Slyke method, and in the blood serum by the same method, but without saturating it with CO₂. Starting from the average SA values of 57 (in the first case) and 49.3 (in the second case) it is recommended that the blood SA should be determined in its serum, without saturation with CO₂, multiplying the obtained figure by 1.16. The method is $\pm 4\%$ accurate. (Russian)

L. PARRS

BORODIN, A.F.

~~Group experiments in physics. Fiz. v shkole 23 no.5:55-57~~
S-O '63. (MIRA 17:1)

1. Kryukovskaya odinnadtsatiletnyaya shkola Moskovskoy
oblasti.

1. BORODIN, A. I., MALINOVSKII, V. S., PLETNER, YU. V., RIUKHINA, T. P.
2. USSR (600)
4. Chemistry - Study and Teaching
7. Homemade visual aids for chemistry, Khim. v shkole, no. 1, 1953.

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

BORODIN, A. I.

"The Number of Classes of Purely Imaginary Quadratic Expansions of Real Quadratic Fields." Cand Phys-Math Sci, Mathematics Inst imeni Steklov, Moscow, 1953, Dissertation (Referativnyy Zhurnal--Matematika Moscow, Feb 54)

SO: SUM 186, 19 Aug 1954

1ST AND 2ND ORDER PROCESSES AND PROPERTIES INDEX
 95
 Wetting of wet yarn. A. I. Borodin. *Khlopchatobumashnaya Prom.* 9, No. 12, 32-5 (1939); *Chem. Zentr.* 1940, II, 2108.—A 2.5% of alizarin oil or a neutral 5% soln. of kerosene contact is recommended for wetting. The soln. of kerosene contact is characterized by the following data: sulfonaphthenic acids 34.37%, free H_2SO_4 0.54%, sp. gr. 1.1.
 M. G. Moore

BORODIN, A. I.

The cleaning of low-grade cotton yarn. Tekst.prom.8 no.2:17-19 F'48
(Cotton spinning)
(MLRA 8:11)

BORODIN, A. I.

Borodin, A. I. - "A tool for final working after dressing", Nauch.-issled. trudy (Tsent. nauch.-issled. in-t khlopchatobumazh. prom-sti), Issue 2, 1949, p. 3-6.

SO: U-4110, 17 July 53, (Letopis 'Zhurnal 'nykh Statey, No. 19, 1949).

BORODIN, A. I.

Borodin, A. I. - "A wringer regulator for a dressing machine", Nauch.-issled. trudy
(Tsent. nauch.-issled. in-t khlopchatobumazh. prom-sti), Issue 2, 1949, p. 6-11.

BORODIN, A. I.

Borodin, A. I. - "A plucker for an automatic loom", Nauch.-issled. trudy (Tsentr. nauch.-issled. in-t/khlopchatobumazh. prom-sti), Issu3 2, 1949, p. 38-58.

SO: U-4110, 17 July 53, (Letopis 'Zhurnal 'nykh Statey, No. 19, 1949).

BORODIN, A. I.

Borodin, A. I. - "Cotton tape for ^saplicing drive belting", Nauch.-issled. trudy
(Tsent. nauch.-issled. in-t khlopchatobumazh. prom-sti), Issue 2, 1949, p. 84-86.

SO: U-4110, 17 July 53, (Letopis 'Zhurnal 'nykh Statey, No. 19, 1949).

BORODIN, A. I.

Borodin, A. I. - "A new warping spool", Nauch.-issled. trudy (Teentr. nauch.-issled. in-t khlppchatobumazh. prom-sti), Issue 2, 1949, p. 97-100.

SO: U-4110, 17 July 53, (Letopis 'Zhurnal 'nykh Statey, No. 19, 1949).

BORODIN, A. I.

27183 BORODIN, A. I. , SAUKOVA, L. A. - Peremotka I Snovka Pryazhi Na Bystrokhodnykh Mashinakh. Tekstil. Prom-St: 1949, No. 8, s. 20-21.

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

BORODIN, A.I.

Improving the performance of a mechanical loom by increasing its speed
Tekst. prom., 12, no.4, 1952

1. BORODIN, A. I. - TITOVA, T. S.
2. USSR (600)
4. Cotton Fabrics
7. Determining the quality of pile on cotton fabrics. Tekst.prom. 12 no. 12, 1952
9. Monthly List of Russian Accessions, Library of Congress, March 1953, Unclassified.

BORODIN, A.I.; TALANINA, A.S.; ARKHIPOVA, T.N.

Let us improve the assortment of cotton fabrics. Tekst.prom.14
no.3:9-10 Mr '54. (MLRA 7:5)
(Cotton fabrics)

BORODIN, Aleksey Ivanovich; SOKOLOVA, V.Ye., redaktor; KUDRYAVTSEV, D.M.,
retsensent; MEDVEDEVA, L.A., tekhnicheskii redaktor

[Preparation of yarn for cotton weaving] Podgotovka priazhi k
khlopokkachestvu] Moskva, Gos.nauchno-tekhn.isd-vo Ministerstva
tekstil'noi promysh.SSSR, 1955. 294 p. (MIRA 9:2)
(Cotton weaving)

BORODIN, A.I.

BORODIN, A.I., kandidat tekhnicheskikh nauk

The use of staple yarn in the Hungarian cotton industry. Tekst.
prom.15 no.8:51-53 Ag'55. (MIRA 8:11)
(Hungary--Cotton manufacture)

BORCHIE, A.I., kand.tekhn.nauk, red.; SOKOLOVA, V.Ye., red.; KOGAN, V.V.,
tekhn.red.

[Handbook on cotton weaving] Spravochnik po khlopkotkachestvu. Pod
red. A.I.Borodina. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po
legkoi promyshl., 1957. 894 p. (MIRA 11:6)

1. Moscow. Tsentral'nyy nauchno-issledovatel'skiy institut
khlopchatobumazhnoi promyshlennosti.
(Cotton weaving--Handbooks, manuals, etc.)

BORODIN, A. I.

BORODIN, A.I.; KOPEYKINA, N.S.

Winding warp yarn at a speed of 800 meters per minute. Tekst.prom.
17 no.10:38-40 0 '57. (MIRA 10:12)
(Yarn) (Spinning machinery--Speed)

RECEIVED 1977
BORODIN, A.I., kand. tekhn. nauk.

Gauge for measuring warp tension on dressing machines. Tekst. prom.
18 no.1:49-50 Ja '58. (MIRA 11:2)

(Strain gauges)

BORODIN, A.I.; LEBEDEVA, M.A.

Group braking of the warping beams. Tekst.prom. 21 no.2:45-47
Ja '61. (MIRA 14:3)
(Warping machines)

BORODIN, A.I.; LEBEDEV, M.A.

Braking units of warp beams. Tekstilna prom 11 no.1:27-28
'62.

BORODIN, A.I. SIRAZUTDINOVA, Z.M.

Yarn strength and its resistance to dynamic loads on the "DIP"
apparatus. Nauch.-issl.trudy TSNIKHBI '60 [publ. '62]:55-76.

(MIRA 18:2)

L 13052-66 EWT(m)/EWA(d)/EWP(t)/EWP(k)/EWP(z)/EWP(b)/EWA(c) MJW/JD/HW

ACC NR: AP5027911

SOURCE CODE: UR/0133/65/000/011/1021/1023

AUTHOR: Sominskiy, Z. A.; El'bert, S. M.; Bisk, M. B.; Potopayev, A. P.; Kazachkov, B. M.; Borodin, A. I.; Chistyakov, V. G.

ORG: none

TITLE: Parameter refinement in the hot working of tubes made from Kh18N10T, 30KhGSA and Kh5M steels
44.53 18 18 18 18

SOURCE: Stal', no. 11, 1965, 1021-1023

TOPIC TAGS: tool steel, metal tube, plastic deformation

ABSTRACT: Optimum preheating schedules are established for the subsequent hot working of tubes made of Kh18N10T steel. Care was taken to hold the mandrel temperature below 600°C in order to preserve the useful tool life. Thermocouples were placed into various portions of the mandrel and the temperatures measured for varying conditions. All tubes were drawn to 100 m air blast, water-air spray mixture and water spray cooling was employed. A mixture of zinc oxide and graphite was used as a lubricant. Data are presented for tubes drawn to 40, 50, 60 and 70 m after various preheat temperatures (between 80 and 250°C) and for the cooling methods discussed above. Data on the change in mandrel temperature showed a large degree of variation (310 to 510°C) increasing with draw length and preheat temperature. The cooling efficiency also was

Card 1/3

UDC: 621.774.39

L 13052-66

ACC NR: AP5027911

a significant factor, the highest cooling rate being achieved with water spray cooling. For Kh18N10T steel, the preheat temperature recommended was between 150-200°C. The other phase of the study dealt with the determination of optimum temperature intervals for the hot deformation of 30KhGSA and Kh5M steels. Mechanical property data were obtained in the form of dynamic bend resistance as a function of temperature of testing (ambient temperature to 700°C) for Kh5M and impact resistance as a function of temperature of testing (20-600°C) for 30KhGSA. Also the fracture appearance was analyzed in both cases. The plasticity of Kh5M steel increased up to the temperature range of 300-400°C where it remained constant and subsequently rose again. The transition from ductile to brittle fracture took place at temperatures of about 40-60°C. The explanation proffered for the retardation in rise of plasticity in the range 300-400°C was dislocation solute interactions (C and N especially). This Cottrell type cloud retarded the motion of dislocations. At higher temperatures, the ductility of the steel increased due to thermal activation assisting the release of dislocations from their C and N atmospheres. For 30KhGSA steel, the impact strength rose with temperature to 150°C where it reached a maximum at 150-200°C and subsequently dropped, reaching another peak at about 400°C. Thereafter, the drop became very sharp and at 500°C the value was the same as for room temperature. Above 550°C, a sharp rise in impact strength occurred as a function of temperature. Again Cottrell cloud was used to explain the leveling off of impact strength at 400-550°C. Alloying elements which combine chemically with the solute C and N atoms offset this behavior; this explains the higher

2/2

L 13052-66

ACC NR: AP5027911

BORODIN, A.M.

Water rice in Kostroma Proynice. Nauka i pered. op. v sel'khoz.7
no.2:73-75 F '57. (MLRA 10:3)
(Kostroma Province--Indian rice)

BORODIN, A.N.

D'YACHENKO, P.N.

Circular reaction of cow's milk (with antigen from the Leningrad Scientific Research Veterinary Institute) for brucellosis. Sov. zdrav.Kirg. no.1:54-57 Ja-F '58. (MIRA 13:7)

1. Iz kafedry obshchey gigiyeny (i.o. zav. - dotsent G.A. Gud-zovskiy) Kirgizskogo gosmedinstituta i otdela Kirgizskogo res-publikanskoy sanepidstantsii (zav. ~~A.N. Borodin~~).
(BRUCELLOSIS) (MILK--~~BACTERIOLOGY~~)

BORODIN, Aleksandr Mikhaylovich; RODIN, Anatoliy Rodionovich;
ROSTOVTSEV, S.A., red.; CHUGUNOVA, Z.S., red. izd-va;
VDOVINA, V.M., tekhn. red.

[Manual for workers in forest plantations] Spravochnik rabo-
chego po lesnym kul'turam. Moskva, Goslesbumizdat, 1962. 131 p.
(MIRA 16:2)

(Forests and forestry)

BONDAREVA, Yu.A., nauchn. sotr.; BORODIN, A.M., nauchn. sotr.;
KUZYUTIN, A.M., nauchn. sotr.; MERINOVA, L.I., nauchn. sotr.;
NOVIKOV, L.I., nauchn. sotr.; KLEYMAN, M.Ya., red.;
IZHBOLDINA, S.I., tekhn. red.

[A guidebook to the State Museum of Defense in Volgograd]
Volgogradskii gosudarstvennyi muzei oborony; putevoditel'.
Volgograd, Volgogradskoe knizhnoe izd-vo, 1963. 124 p.
(MIRA 17:3)

1. Volgograd. Gosudarstvennyi muzey oborony. 2. Gosudarstven-
nyy muzey oborony, Volgograd (for Bondareva, Borodin, Kuzyutin,
Merinova, Novikov).

BORODIN, A.S.

New binder. Lit.proizv. no.3:46 Mr '62.
(Binding materials)

(MIRA 15:3)

USSR/Cultivated Plants - Grains

M

Abs Jour : Ref Zhur Biol., No 12, 1958, 53569

Author : Borodin, A.V.

Inst : "

Title : Past Production of Corn in Our Country

Orig Pub : Kukuruz. 1957, No 11, 60-63

Abstract : This is a survey of corn cultivation in Russia in the 17th century, and of the history of its cultivation in pre-revolutionary Russia and after the Great October Socialist Revolution in USSR. The survey gives data on the world exports of corn during the period 1908-1911, gross crop and the export of corn during 1909-1913 and 1924-1933. The articles lists the basic Decrees of the Party and Government of USSR on expanding sown areas and on increasing the corn yields in USSR. -- S.A. Remizov.

Card 1/1

BORODIN, Aleksandr Vasil'yevich; KOCHETKOV, L.I., red.; SAVEL'VA,
Z.A., tekhnred.

[Seven-year plan for expanding cereal products industries,
1959-1965] Semiletnii plan razvitiia sistemy khleboproduktov,
1959-1965 gg. Moskva, Izd-vo tekhn. i ekon. lit-ry po voprosam
mukomol'no-krupianoj kombikormovoi promyshl. i elevatorno-
skladskogo khoz., 1959. 108 p. (MIRA 12:10)
(Cereal products)

BORODIN, Aleksandr Vasil'yevich

[Fixed assets of grain-receiving enterprises] Osnovnye fondy
khlebopriemnykh predpriatii. Moskva, Izd-vo tekhn. i ekon.
lit-ry po voprosam khleboroduktoy, 1961. 60 p.

(MIRA 15:8)

(Grain trade)

BORODIN, A.V., kand.ekonom.nauk

Basic indices of the purchase and production activities of the enterprises and organizations of the purchase system during the fourth year of the seven-year plan. Trudy MTIPP no.19:3-12 '62.
(MIRA 17:4)

BORODIN, A. V.

BORODIN, A. V. -- "IMPROVEMENT OF THE TECHNOLOGY OF FINE-SCALE MAP MAKING." SUB 13 JUN 52,
MOSCOW INST OF ENGINEERS OF GEODESY, AERIAL PHOTOGRAPHY, AND CARTOGRAPHY (DISSERTATION
FOR THE DEGREE OF CANDIDATE IN TECHNICAL SCIENCE)

SO: VECHERNAYA MOSKVA, JANUARY-DECEMBER 1952

BORODIN, A.V., redaktor.; SHAMAROVA, T.A., redaktor izdatel'stva.; BUKHANOVA,
A.V., tekhnicheskiiy redaktor.

[Book of cartographic type] Al'bom kartograficheskikh shriftov. Moskva,
Izd-vo geodezicheskoi i karrograficheskoi lit-ry, 1956. 192 p. (Lenin-
grad. Tsentral'nyi nauchno-issledovatel'skii institut geodezii, aeros'-
emki i kartografii. Trudy, no. 109) (MLRA 9:11)
(Printing--Specimens) (Cartography)

BORODIN, A.V.; KOLDAYEV, P.K.; BASHLAVINA, G.N.; SHAMAROVA, T.A., red.izd-va;
ROMANOVA, V.V., tekhn.red.

[Engraving topographic maps for publication] ~~Podgotovka~~
topogravicheskikh kart k izdaniyu metodom gravirovaniya. Moskva,
Izd-vo Geodez. lit-ry, 1958. 59 p. (Leningrad, Tsentral'nyi
nauchno-issledovatel'skii institut geodezii, aerofotogrammetrii i kartografii.
Trudy, no.127) (MIRA 11:10)
(Maps, Topographic)

AUTHOR: Borodin, A. V., Candidate of Technical Sciences SOV/6-58-9-8/26

TITLE: Engraving on White Coatings on "Viniproz" (O gravirovanii na viniproze po belomu sloyu)

PERIODICAL: Geodeziya i kartografiya, 1958, Nr 9, pp 44 - 47 (USSR)

ABSTRACT: Notwithstanding the fact that the transparent plastic material "Viniproz S", which is only little given to deformation, is not free from shortcomings it can be successfully applied in cartographical work. An attempt to draw the originals directly on "Viniproz" met with difficulties. Better prospects are shown by engraving on a soft coating applied to the plastic material. In the USSR the best solution seemed to be offered by asphalt layers. As, however, this method also exhibits certain shortcomings, it was decided to develop white layers. The first type of such a white layer was developed in the NII VTS and a second type exhibiting a long life and a great copying density was developed

Card 1/2

Engraving on White Coatings on "Viniproz"

SOV/6-58-9-8/26

in the TsNIIGAiK in 1957. The composition, the production of this layer and the process of engraving are described in this paper. Two variants of the method of engraving several or even all elements of a map on one original were developed in the TsNIIGAiK. They are both exposed. Both methods were tested in the laboratory of the TsNIIGAiK, the first variant was also tested in that of the NRKCh.

Card 2/2

S/006/60/000/05/12/024
B007/B123

AUTHOR: Borodin, A. V., Candidate of Technical Sciences
TITLE: Compiling Maps [✓] on Plastic With Simultaneous Engraving for the
Edition
PERIODICAL: Geodeziya i kartografiya, 1960, No. 5, pp. 51-54

TEXT: In 1954-1955 investigations on engraving map compilations on small scales were carried out in the Tsentral'nyy nauchno-issledovatel'skiy institut geodezii, aeros"yemki i kartografii (Central Scientific Research Institute of Geodesy, Aerial Surveying and Cartography). Because of imperfect engraving sheets and tools and the imperfect procedure no satisfying results were obtained. In 1958 new possibilities appeared. In the same institute a white engraving film was developed, whereon the map can first be plotted and then be engraved. Better tools and appliances were produced and the method of engraving was improved (Ref., footnote on p. 51). The advantages of engraving as compared to drawing are confirmed by the engraving lectures held for cartographers in 1959 by the GUGK (Main Administration of Geodesy and Cartography). In this connection a ✓

Card 1/2

Compiling Maps on Plastic With Simultaneous
Engraving for the Edition

S/006/60/000/05/12/024
B007/B123

procedure for compiling topographical maps with their simultaneous engraving for the edition was worked out. In this paper, the method is described and discussed in detail. By means of this method in the TsNIIGAIK part of the sheet of the topographic map 1 : 25000 and single sections of maps on smaller scale were composed and engraved. During experimental work in the MAGP (Moscow Aerogeodetic Center) a sheet of the topographic map on 1 : 25000 was compiled by means of the same procedure. Of all these maps samples of color prints were made. All these working procedures confirmed the usefulness and economy of the method described in the paper. There is 1 Soviet reference.

Card 2/2

AKHMATOV, A.P.; BLINOV, P.I.; BOLOTIN, V.F.; BORODIN, A.V.;
GAVRIN, P.P.; ZAVOYSKIY, Ye.K.; KOVAN, T.A.; OGANOV, M.N.;
PATRUSHEV, B.I.; PISKAREV, Ye.V.; RUSANOV, V.D.; SMOLKIN,
G.Ye.; STRIGANOV, A.R.; FRANK-KAMENETSKIY, D.A.; CHEREMNYKH,
P.A.; CHIKIN, R.V.

[Magnetoacoustic resonance in a plasma] Magnito-zvukovoi
rezonans v plazme. Moskva, In-t atomnoi energii, 1960. 23 p.
(MIRA 17:2)

83757

S/056/60/039/003/002/045
B004/B060

26.1410
AUTHORS:

Akhmatov, A. P., Blinov, P. I., Bolotin, V. F., Borodin,
A. V., Gavrin, P. P., Zavoyskiy, Ye. K., Kovan, I. A.,
Oganov, M. N., Patrushev, B. I., Piskarev, Ye. V.,
Rusanov, V. D., Smolkin, G. Ye., Striganov, A. R.,
Frank-Kamenetskiy, D. A., Cheremnykh, P. A., Chikin, K. V.

TITLE: Magnetoacoustic Resonance in the Plasma $\uparrow \backslash$

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1960, \checkmark
Vol. 39, No. 3 (9), pp. 536-544

TEXT: The authors wanted to study the penetration of oscillations into the plasma taking place transversally to a static magnetic field. From the physical point of view, this process has a course similar to acoustic oscillations, with the difference that the magnetic pressure $H^2/8\pi$, and not the gas pressure, is effective here. (1) is written down as a resonance condition: $\alpha H_0 / \omega R \sqrt{4\pi p} = 1$, where α is a dimensionless number characterizing the type of oscillations, H_0 the strength of the

Card 1/4

(2)

83757

Magnetoacoustic Resonance in the Plasma

S/056/60/039/003/002/045

B004/B060

static magnetic field, ρ the density of the plasma, ω the cyclic frequency, and R the radius of the plasma cylinder. The following is written down for the radial amplitude of the plasma motion velocity:

$$v_r \approx \tilde{H} u_{ph} / H_0 \approx \tilde{H} / \sqrt{4\pi\rho} \quad (H = \text{strength of the magnetic alternating field,}$$

u_{ph} = phase velocity of the magnetic field). The interaction of an electromagnetic high-frequency field \tilde{H} with a cold plasma was experimentally investigated in a cylinder in the presence of an axial quasistatic magnetic field H_0 . Fig. 1 shows the scheme of the apparatus used for the experiments. In one such experimental series the alternating field had a frequency of 12.5 Mc/sec, while in another series the frequency was 50 Mc/sec. The plasma glow was recorded by means of an $\Phi\partial Y-19$ (FEU-19) photomultiplier and an OK-17M (OK-17M) oscilloscope, while the penetration of high-frequency oscillations into the plasma and the radial amplitude distribution of the magnetic alternating field were studied with the aid of a magnetic probe. The experiments were conducted with hydrogen, helium, argon, and air at an initial pressure of

Card 2/4

83757

Magnetoacoustic Resonance in the Plasma

S/056/60/039/003/002/045
B004/B060

10^{-4} - $6 \cdot 10^{-3}$ torr. The oscillograms of Figs. 2,3 show that resonance phenomena appear in the range between 300 oersteds and 5 kilooersteds. Fig. 4 shows the effect of resonance on the spectral lines of hydrogen. There is a dependence of the amplitude H_r of the magnetic resonance field on the amplitude of the H -field. Fig. 5 shows the spatial distribution of the amplitude H_r of the resonance field in hydrogen and argon. As may be seen from Fig. 6, the resonance shows a fine structure. This effect is being further investigated. A gas temperature of 2.5 ev was calculated from the Doppler broadening of the H_β line (Figs. 7,8) corresponding to 0.8 A. Experimental data for H_r confirmed the validity of equation (1). Experiments with argon at frequencies above the hybrid frequency yielded no appreciable difference as compared with the effect observed with frequencies below the hybrid frequency. The authors assume that the appearing oscillations propagated obliquely, not perpendicularly to H_0 . This was confirmed by measurement of the azimuthal component of the magnetic field H_ϕ (Fig. 9). The authors thank I. V. Kurchatov, Academician, for interest displayed in the work. There are 9 figures and 4 references: 2 Soviet, 1 US, and 1 German.

Card 3/4

Magnetoacoustic Resonance in the Plasma

83757

S/056/60/039/003/002/045
B004/B060

SUBMITTED: April 2, 1960

Card 4/4

27260

S/056/61/041/002/001/028
B102/B205

26.2321

AUTHORS: Borodin, A. V., Gavrin, P. P., Kovan, I. A., Patrushev, B. I.,
Nedoseyev, S. L., Rusanov, V. D., Frank-Kamenetskiy, D. A.

TITLE: Magnetoacoustic oscillations and the instability of an
induction pinch

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 41,
no. 2(8), 1961, 317 - 321

TEXT: The results of experiments on a plasma pinch are presented. The
experimental arrangement used is schematically shown in Fig.1. A vacuum
chamber (10^{-7} mm Hg, 450 - 500°C) made of quartz served as discharge space.
Most experiments were performed in air (10^{-1} - 10^{-2} mm Hg), and some of
them in hydrogen, argon, xenon, and helium (10^{-1} - 10^{-3} mm Hg). The
magnetic field was generated by a homogeneous turn with an inductance of
30 cm, and a 200-kw h-f generator was used for pre-ionization. The

Card 1/5

27180

Magnetoacoustic oscillations and...

S/056/61/041/002/001/028
B102/B205

behaviour of the discharge was studied with the aid of a quick-acting photorecorder, type COP-2M(SFR - 2M), and a magnetic probe. The directions of photographing are indicated in Fig.1 Pictures taken in the axial direction show that the incandescence of the gas in the first semiperiod appears in the form of an annular tube. This indicates that the radial oscillations originate from the cold plasma contained in the incandescing tube. Pictures were taken in intervals of $0.3 \mu\text{sec}$. The first pinch is attributed to the formation of a relatively weak shock wave. In air with a pressure of $8 \cdot 10^{-2} \text{ mm Hg}$, the shock wave has a velocity of $2.3 \cdot 10^6 \text{ cm/sec}$ and a front width of $\sim 0.7 \text{ cm}$. The discontinuity of the magnetic field at the axis is explained by collisions of strong shock waves. The radial oscillations are ascribed to magnetoacoustic oscillations of the plasma column. The boundary conditions prevailing in this case are analyzed in the following. The analysis is complicated by the fact that the plasma column is copper-shielded. The authors discuss two limiting cases, one of which is based on the assumption that the plasma oscillates as if it were completely enclosed by a copper shield. This assumption was found to be correct. The boundary condition $J_1(kR) = 0$, where $kR \equiv \mu = 1.84, 5.3, \dots$

Card 2/5

27180

Magnetoacoustic oscillations and...

S/056/61/041/002/001/028
B102/B205

(J - Bessel function), is satisfied here. Using results of Frank-Kamenetskiy the authors obtain the following relation for the frequency of magnetoacoustic oscillations: $f = \frac{H_0}{2\pi R \sqrt{4\pi M(n_0 + n_i)}}$, where M is the ion mass, n_i is the ion concentration, and n_0 is the concentration of neutral particles. A comparison between experimental and theoretical results obtained for H_2 , N_2 , and Ar shows that: 1) the dependence of the eigenfrequency on the gas mass is in good agreement with theory; 2) the agreement between the theoretical and experimental absolute values of the frequencies is worse, since many important facts have not been considered. Conclusions: Rapid transverse contraction of plasma results in the occurrence of free magnetoacoustic oscillations of the plasma column, which are damped in time. At the instant of maximum contraction of the annular tube of the plasma, "tongues" protruding along the field are ejected (inertial instability). The excitation of oscillations may be attributed to the rapid contraction of the annular tube without a field. The contraction is caused by shock waves. The tube is formed by the mixing of

Card 3/5

27180

Magnetoacoustic oscillations and...

S/056/61/041/002/001/028
B102/B205

the fields inside and outside the plasma, which have opposite directions. Ye. K. Zavoyskiy is thanked for his interest in the work, and L. I. Rudakov for discussions. There are 6 figures, 1 table, and 10 references: 7 Soviet and 3 non-Soviet.

SUBMITTED: January 27, 1961

Legend to Fig.1: 1) 50-kv rectifier; 2) capacitor bank ($27\mu\text{f}$, 50 kv); 3) gap in the turn for photographing; 4) turn for generating the magnetic field; 5) quartz vacuum chamber; 6) and 8) h-f generator; 7) magnetic probe; 9) starter; a) to pump; b) to oscilloscope; c) directions of photographing.

Card 4/5

BOBODIN, B.A.

Using pressure relays for a uniform feed of cement. TSement 20
no. 5:27-28 S-0 '54. (MLRA 7:11)

1. Rabochiy Khar'kovskogo kombinata izolyatsionnykh i asbestovykh
materialov.
(Cement) (Electric relays)

BORODIN, B.P.; KURININ, R.G.; FRIDLYAND, N.S.

Use of the MI-1 helicopter in making a gravity survey in combination with barometric leveling. Geofiz. razved. no.6:52-59 '61.
(MIRA 15:4)

(Siberia--Gravity prospecting) (Helicopters)
(Barometric hypsometry)

BORODIN, B.V., inzh.

Safety appliance for movable lifting tackle. Bezop.truda v
prom. 4 no.1:34 Ja '60. (MIRA 13:5)
(Pulleys)

NOTKIN, Ye.M.; KUR, G.Ye.; ARONSHTEYN, N.M.; prinimali uchastiye: KAMNEV, V.S.;
SHASHIN, N.N.; TYURIN, V.I.; VENBRIN, V.D.; MAREYEV, D.I.; VILENSKAYA,
I.A.; BORODIN, B.V.; DON-YAKHIO, I.A.; MOSKALENKO, S.M.; ABRAMOVA,
Z.A.; KLIMOV, M.D.; VASIL'YEV, I.A. LUK'YANOV, S.K.

Introducing automatic control in coremaking. Lit. proizv. no.6: 15-19
Je '62. (MIRA 15:6)

1. Nauchno-issledovatel'skiy institut santekhniki Akademii
stroitel'stva i arkhitektury SSSR (for Luk'yanov).
(Coremaking) (Automatic control)

NOTKIN, Ye. M.; VILENSKAYA, I. A.; ~~Prinimali~~ uchastiye: DANILOV, M. A.;
BORODIN, B. V.; MAREYEV, D. I.; TYURIN, V. I.; MALYSHEVA, A. A.

Mixtures for foundry cores produced by the sand slinging
method. Sbor. trud. NIIST no.10:41-70 '62.

(MIRA 15:10)

1. Nauchno-issledovatel'skiy institut sanitarnoy tekhniki (for
Danilov, Borodin). 2. Moskovskiy chugunoliteynyy zavod imeni
Voykova (for Mareyev, Tyurin, Malysheva).

(Coremaking)

BORODIN, B.Ye. (Moskva); NAKHAPETTYAN, Ye.G. (Moskva)

Investigating the dynamics of a cam-mangle mechanism of an
automatic machine. Mashinovedenie no.1:36-43 '65.

(MIRA 18:5)

BORODIN, B.Ye. (Moskva); NAKHAPETYAN, Ye.G. (Moskva)

Effect of the gap in a cam groove on the dynamics of a
cam and pin turning mechanism. Mashinovedenie no.6:15-23
'65. (MIRA 18:11)