

BABADZHANYAN, G.A.; TSATURYAN, S.I.

Law governing the flow of gas in a long gas line under non-stationary operating conditions. Izv. AN Arm. SSR. Ser. fiz.-mat. nauk 14 no.5:71-78 '61. (MIRA 14:11)

1. Institut energetiki i gidravliki AN Armyanskoy SSR.  
(Gas flow)

BABADZHANYAN, G.A.; DANIELYAN, L.Ye.

Flow of a viscous fluid in an open porous channel. Izv. AN  
Arm. SSR. Ser. fiz.-mat. nauk 16 no.3:83-90 '63.

(MIRA 16:8)

1. Yerevanskiy gosudarstvennyy universitet.  
(Fluid mechanics)

BABADZHANYAN, I. K.

Responsiveness of the tobacco crop to mineral fertilizers [in  
Armenian with summary in Russian]. Izv. AN Arm. SSR. Biol. i sel'khoz.  
nauki 4. no. 8: 735-747 '51. (MLRA 9:8)  
(Martuni District--Tobacco)  
(Fertilizers and manures)

BARADZHANYAN, I. K.

Effect of the proportions of nitrogen, phosphorus, and potassium  
in fertilizers and their dosage on the tobacco yield [in Armenian  
with summary in Russian]. Izv. AN Arm. SSR. Biol. i sel'khoz. nauki.  
5 no.1:39-48 '52. (MLRA 9:8)  
(Martuni District--Tobacco) (Fertilizers and manures)

PARADZHANYAN, I.K.

At a branch station on a collective farm [in Armenian with summary  
in Russian]. Izv.AN Arm.SSR.Biol.i sel'khoz.nauki. 5 no.5:95-96  
'52. (MLRA 9:8)

1. Zaveduyushchiy Aparanskim opornym punktom laboratorii agrokhimii  
AN Arm. SSR.

(APARAN DISTRICT - WHEAT)

BARADZHANYAN, I.K.

Comparative effectiveness of different forms of nitrogen fertilizers with respect to tobacco yield and quality [in Armenian with summary in Russian]. Izv.An Arm.SSR.Biol.i sel'khoz.nauki. 5 no.8:49-53 '52. (MLRA 9:8)

(Martuni District--Tobacco)  
(Fertilizers and manures)  
(Plants, Effect of nitrogen on)

BABADZHANYAN I.K

The influence of microelements on the effectiveness of Nitragin. G. Sh. Aslanyan and I. K. Babadzhanyan. *Izvest. Akad. Nauk Armyan S.S.R.*, No. 1, 25-31 (in Russian)(Armenian summary, 31-2)(1950).--Of Mn, Mo, and B addns. to Nitragin cultures in growing alfalfa, B alone gave significant increases in yield. The amounts added varied from 1 to 2 mg. B, Mo or Mn 2 to 4 mg./30 g. of sand or sand and soil mixt. In some cultures Mo has been as effective as B. Field trials also have shown B and Mo giving an increase in yield. The Ca content decreased in the cultures with B. Similar results were obtained with esparsett. In the case of vetch, addns. of microelements have decreased the yield. J. S. Ioffe

2

■ USSR/Cultivated Plants. Potatoes. Vegetables. Melons. M

Abs Jour: Ref Zhur-Biol., No 5, 1958, 20310.

Author : I.K. Babadzhanyan.

Inst : Not given.

Title : The Effect of Mineral and Organic Fertilizers on the Potato Yield and Quality. (Vliyaniye mineral'nykh i organicheskikh udobreniy na urozhay i kachestvo kartofelya).

Orig Pub: Izv. AN ArmSSR, biol. i c.-kh. n., 1957, 10, No 3, 57-63.

Abstract: Thirty tons per hectare of manure and 10 centners per hectare of ash on the chernozem of Stepanavanskiy rayon in the Armenian SSR yielded a harvest supplement of 46.2 centners per hectare; 51.6 centners per hectare were obtained by applying 15 tons per hectare of manure and  $N_{15}P_{45}K_{45}$ ; 53.3 centners per hectare with  $N_{90}P_{90}K_{90}$  on

Card : 1/2



BARADZHANYAN, K.A.

Biochemical composition of some local wheat varieties and their  
hybrids [in Armenian with summary in Russian] Izv. AN Arm.SSR. Biol.  
i sel'khoz. nauki 2 no.3:303-304 '49. (MIRA 9:8)  
(ARMENIA--WHEAT--VARIETIES)

BARADZHANYAN, K.A.

Biochemical indexes of corn progeny produced by different pollination methods. Izv.AN Arm.SSR.Biol.i sel'khoz. nauki. 4 no.4:  
375-379 '51. (MLRA 9:8)

1. Institut genetiki i selektsii rasteniy Akademii nauk Armyanskoy SSR.

(Corn (Maize))

**BABADZHANYAN, K.A.**

Comparative description of the biochemical properties of some tomato hybrids. Izv.AN Arm.SSR.Biol.i sel'khoz.nauki 4. no.8:773-777 '51.  
(MLRA 9:8)

1. Institut genetiki i selektsii rasteniy Akademii nauk Armyanskoy SSR.

(Armenia--Tomatoes--Varieties)

PAPADZHANTAK, I. A.

4

3

Synthesis of 1-methylnaphthalene. S. A. Vardanyan and K. A. Babadzhanyan. *Doklady Akad. Nauk Armyan. S.S.R.* 13, No. 1, 9-11 (1951); cf. Rapson and Robinson, *C.A.* 30, 079. — PhCl<sub>2</sub>MgCl (from 8.16 g. Mg and 42.22 g. PhCl<sub>2</sub>Cl) treated over 3 hrs. with cooling with 41.76 g. MeCCl:CHCl<sub>2</sub>Cl, then refluxed 2 hrs. gave 6.83 g. Ph-CH<sub>2</sub>CH<sub>2</sub>CH:CClMe (I), b<sub>p</sub>-11 110-15°, d<sub>4</sub> 1.0313, n<sub>D</sub> 1.6228. The bulk of the reaction mixt. boiled over a wide range, b<sub>p</sub>-11 116-210°. To 18.1 g. I was added with cooling 25 ml. 85% H<sub>2</sub>SO<sub>4</sub> and the mixt. stirred 16 hrs., finally at room temp.; treated with ice, and extrd. with Et<sub>2</sub>O, giving 20% 1-methyl-3,4-dihydronaphthalene (II), b<sub>p</sub> 81-3°, d<sub>4</sub> 0.9901, n<sub>D</sub> 1.5450; the rest consisted of Ph(CH<sub>2</sub>)<sub>2</sub>Ac, b<sub>p</sub> 123-8°. Heating 3.2 g. II with 1 g. S 1 hr. to 220-30° gave 1.2 g. liquid, which with picric acid yielded 1-methylnaphthalene picrate, m. 138-0°. G. M. Kosolapoff

mf

BABADZHANYAN, K. A.

BABADZHANYAN, K. A.: "Some biochemical properties of wheat in the Armenian SSR." Acad Sci Armenian SSR. Inst of Genetics and Plant Selection. Yerevan, 1956. (DISSERTATION FOR THE DEGREE OF CANDIDATE IN BIOLOGICAL SCIENCE)

So.: Knizhnaya letopis' No 15, 1956, Moscow

BABADZHANYAN, K.A.

Protein composition of wheat grain. Izv. AN Arm. SSR. Biol.  
nauki 16 no.12:79-81 D '63. (MIRA 17:2)

1. Nauchno-issledovatel'skiy institut zemledeliya  
Armyanskoy SSR.

BABADZHANYAN, K.A.

Protein content in wheat grain in relation to its structural characteristics such as vitreousness. Izv. AN Arm. SSR. Biol. nauki 17 no.7:67-71 J1 '64.

(MIRA 17:10)

1. Institut zemledeliya Armyanskoy SSh.

BABADZHANYAN, Levon Arakelovich; GOL'DENFON, Aleksandr Kel'manovich;  
BUZNIK, V.M., dotsent, kand.tekhn.nauk, retsentsent; SKRDYUKOV,  
S.A., nauchnyy red.; SHAURAK, Ye.N., red.; KONTOROVICH, A.I.,  
tekhn.red.

[Testing marine steam boilers] Ispytaniia sudovykh parovykh  
kotlov. Leningrad, Gos.soiuznoe izd-vo sudostroit.promyshl.,  
1958. 322 p. (MIRA 12:3)  
(Boilers, Marine--Testing)



GOL'DENFON, Aleksandr Kel'manovich; BABADZHANYAN, Levon Arakelovich;  
MASLOV, V.V., kand. tekhn. nauk, retsenzent; GERLOVIN, L.I.,  
inzh., retsenzent; EYTVID, L.V., nauchnyy red.; OZERNOVA, Z.V.,  
red.; TSAL, R.K., tekhn. red.

[Performance and operation of marine boilers] Rabochie protsessy  
i ekspluatatsiia sudovykh kotlov. Leningrad, Sudpromgiz, 1962.  
423 p. (MIRA 15:11)

(Boilers, Marine)

BUZNIK, Viktor Mikhaylovich; YENIN, V.I., kand. tekhn. nauk,  
retsenzent; BABADZHANYAN, L.A.. kand.tekhn. nauk,  
retsenzent; GOL'DENFON, A.K. kand. tekhn. nauk, nauchn.  
red.; SHAURAK, Ye.N., red.

[Marine steam boilers] Sudovye parovye kotly. Izi.2., dop.  
i perer. Leningrad, Sudostroenie, 1964. 383 p.  
(MIRA 17:8)

BABADZHIANYAN, Levon Arkulelovich; GEL'DENFEL'D, Aleksandr Kef'nanovich;  
KOSTROV, Kh.N., kand. tekhn. nauk, retsenzent; PASTERNAK, Yu.V.,  
kand. tekhn. nauk, retsenzent; SHARAKH, Ye.N., red.

[Methods for testing marine boilers] Metodika ispytani sudovykh kotlov. Leningrad, Sudostroenie, 1965. 384 p.  
(MIRA 18:3)

*BABADZHANYAN, M*

Arisyan, Levon Yeghayeovich; GABRIEL'YAN, G.G., doktor filosofskikh nauk,  
prof., red.; BABADZHANYAN, M., red.; CHANCHAPANYAN, E., tekhn.red.

[History of the theory of knowledge] Iz istorii teorii poznaniia.  
Erevan, Armianskoe gos. izd-vo, 1957. 216 p. (MIRA 11:5)  
(Knowledge, Theory of)

BABADSHANYAN, M.A.

C

U-glass

Experiments in molting glass electrically. M. A. BABADSHANYAN, V. S. MINARVAN, AND V. A. II'INIKIL. *Keram. i Steklo*, 1938, No. 6, pp. 18-23; abstracted in *J. Soc. Glass Technol.*, 32 [144] 8-10 (1948). The tests were made with three tank furnaces in succession, starting with a tank measuring 1500 x 540 x 200 mm. and using a batch comprising pumice of grain size 0.3 to 1.0 mm., soda ash, and a lime waste from a synthetic rubber works to give glasses of several compositions; a typical glass had the composition SiO<sub>2</sub> 61.7, Al<sub>2</sub>O<sub>3</sub> 0.1, TiO<sub>2</sub> 0.1, Fe<sub>2</sub>O<sub>3</sub> 0.70, CaO 12.0, MgO 0.3, K<sub>2</sub>O 1.5, Na<sub>2</sub>O 14.3, and SO<sub>2</sub> 0.2%. Two pairs of water-cooled box-type wrought iron electrodes were fed with single-phase current taking about 80 kva. for an output of 350 kg per 24 hr. It was found that the sharp edges of the electrodes, in spite of the low average current density and strong cooling (outlet water only 42° to 45°C.) quickly burned through into "corners," gave an uninterrupted run of 0.5 months and were then still usable. The tank was run as a day tank so that the fluctuations in level caused portions of the electrodes to be exposed periodically. In spite of this no serious coloring of the pale green glass was observed. The current density reached 1.3 amp./sq. cm., and the outlet water 85° to 90°C. The water cooling was responsible for a loss of 63% of the energy supplied. Power consumption was 9 kw-hr/kg. The excessive cooling was largely responsible for the difficulty experienced in reaching a temperature high enough to give good refining so that considerable fine seed was left in the glass. Refining proceeded more quickly when

the level of the glass was lowered. Data for the first run is listed in a table. The dimensions of the furnace used in the second test were 1200 x 800 x 570 mm.; it had two pairs of electrodes in the melting end and one pair in the working end. Cast iron air-cooled electrodes were employed. In favorable circumstances production of 700 kg. 24 hr. was obtained for a power consumption of 85 to 90 kva. At the highest load the consumption was 3.12 kw-hr/kg. When cooling was adjusted to give the highest electrode temperature permissible, without rapid wear resulting, the outgoing air was 201° to 230°C. In these circumstances about 42% of the total heat was taken away by the air, 34.5% was absorbed by the furnace, and 23.5% was used in the actual glassmelting. This furnace ran for over 4 months. Only one electrode (of the pair at the filling end) was burned through on its upper surface. The upper third of the electrodes was the only portion worn, probably owing to fluctuations of level during the cycle of filling, melting, and working. Deterioration of the electrodes proceeded faster (by scaling) on the air cooled than on the glass-heated surface. Attack on the tank blocks was most severe at the filling-on position and in the throat. The third furnace had an over-all length of 4.5 m. and a breadth of 1.9 m., with a glass surface area of 2.145 sq. m. (melting chamber), and in plan was similar to an ordinary continuous tank with throat. Four pairs of air-cooled electrodes were located in the melting end and one pair in the working end, while the fourth pair in the melting end was placed lower than the other three in order to heat the glass adjacent to the submerged throat. Two low pressure oil burners were used to heat up the tank and as emergency heating.

over

S/072/62/000/004/002/002  
B105/B101

AUTHORS: Galdina, N. M., Yanovskiy, Yu. S., Kuznetsova, N. G.,  
Babadzhanyan, M. A.

TITLE: Bakor-33, a new highly stable refractory obtained by  
electric smelting for glass ash furnaces

PERIODICAL: Steklo i keramika, no. 4, 1962, 15 - 16

TEXT: Highly stable baddeleyite-corundium refractories were studied in the laboratoriya ogneporov, Institut stekla (Laboratory for Refractories, Institute of Glass). Chemical composition, microstructure, volume and specific weights, apparent porosity, thermal expansion, deformation under load at high temperatures, and stability were determined and compared with those of standard window glass. In 1959 - 1960, Bakor-33 blocks of 600 · 400 · 250 and 600 · 300 · 250 mm were manufactured in the Yerevanskiy mullito-steklotarnyy zavod Armyanskogo sovnarkhoza (Yerevan Mullite-Glass-tank-works of the Armyanskiy sovnarkhoz). The manufacture of Bakor-33 glass blocks is being improved on in the Saratovskiy zavod tekhnicheskogo stekla (Saratov Works for Technical Glass). Laboratory tests revealed

Card 1/2

Bakor-33, a new highly stable...

S/072/62/000/004/002/002  
B105/B101

that the use of Bakor-33 would: (1) increase the life of glass melting furnaces to 36 - 48 months (cf. with mullite 11 - 15 months and with Bakor-20, 20 - 25 months); (2) increase the melting temperature from 1450 - 1470°C to 1550 - 1600°C; (3) reduce the scrap quota. At the same time the glass quality is improved and the furnace capacity increased. In 1961, series production of Bakor-33 began in the Yerevan Mullite-Glasstank Works. The quality of Bakor-33 products would be improved by the use of 3-phase arc melting furnaces, better design and composition of the molds, establishment of a department for treating the diatomite, mechanization and automation of the production. The following data are given for Bakor-33: 13.28 - 15.75 %  $\text{SiO}_2$ ; 0.16 - 1.06 %  $\text{TiO}_2$ ; 27.53 - 32.6 %  $\text{ZrO}_2$ ; 48.0 - 52.44 %  $\text{Al}_2\text{O}_3$ ; 0.31 - 0.83 %  $\text{Fe}_2\text{O}_3$ ; 0 - 0.60 %  $\text{MgO}$ ; 1.40 - 1.77%  $\text{CaO}$ ; 1.42-1.70%  $\text{Na}_2\text{O}+\text{K}_2\text{O}$ ; 3.91-5.72% fluxes; specific gravity 3.74-3.89  $\text{g/cm}^3$ ; corrosion rate (in the level of the fused glass) 0.24 - 0.35 mm per 24 hrs. There are 4 figures and 3 tables.

Card 2/2

ZAPALKEVICH, I.F.; BABADZHANYAN, M.G.

Hygienic improvement of working conditions in repairing fire boxes in locomotives. Gig. i san. no.8:50-51 Ag '53. (MIRA 6:9)

1. Tsentral'naya nauchno-issledovatel'skaya laboratoriya gigiyeny i epidemiologii Ministerstva putey soobshcheniya SSSR.  
(Industrial hygiene) (Locomotives--Repairs)



BABADZHANYAN, N. G.

"Role of Work Training in the Development of Regulatory Processes of the Central Nervous System of Juveniles." Cand Biol Sci, Sci-Res Inst of Physical Education and School Hygiene, Acad Pedagogical Sci, RSFSR, Moscow, 1953. (RZMBiol, No 9, Apr 55)

SO: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (16).

Исследования в области гигиены

BABADZHANYAN, M.G., kand.biol.nauk; KOSTINA, Ye.I., starshiy nauchnyy sotrudnik; CHERKOV, V.Ya., inzh.

Study of working conditions and physiological changes in women occupied in packing ballast under railroad ties [with summary in English]. Gig. i san. 22 no.11:21-23 N '57. (MIRA 11:1)

1. Iz TSentral'noy nauchno-issledovatel'skoy laboratorii gigiyeny i epidemiologii Ministerstva putey soobshcheniya SSSR.

(INDUSTRIAL HYGIENE

health hazards to women in driving of sleepers (Rus))

BABADZHANYAN, M.G. (Moskva); KOSTINA, Ye.I. (Moskva); PUSHKIN, V.N. (Moskva).

Some problems in the physiology and psychology of work of a train  
dispatcher [with summary in English]. Vop. psikhol. 4 no.2:68-74  
Mr-Apr '58. (MIRA 1115)  
(Railroads--Train dispatching) (Job analysis)

BABADZHANYAN, M.G.; KOSTINA, Ye.I.

Some research on fatigue in locomotive engineers [with summary  
in English]. Vop.psikhol. 4 no.6:154-159 N-D.'58.

(MIRA 12:1)

1. Tsentral'naya nauchno-issledovatel'skaya laboratoriya gigiyeny  
i epidemiologii Ministerstva puty soobshcheniya.  
(LOCOMOTIVE ENGINEERS--DISEASES AND HYGIENE) (FATIGUE)

BABADZHANYAN, M.G.; KALNYN', V.R.; KOSENKO, S.A.; KOSTINA, Ye.I.

Effect of supplementary vitamin intake on some physiological functions of workers in electric locomotive brigade. Vop. pit. 19 no. 5:18-24 S-0 '60. (MIRA 14:2)

1. Iz otdela gigiyeny pitaniya (zav. F.M. Mirochnik) i fiziologicheskoy laboratorii (zav. - kand.med.nauk A.M. Volkov), Tsentral'noy nauchno-issledovatel'skoy laboratorii gigiyeny i epidemiologii Ministestva putey soobshcheniya SSSR i iz laboratorii izucheniya vitaminov (zav. - prof. V.V. Yefremov) Instituta pitaniya AMN SSSR, Moskva.

(VITAMINS)

(RAILROADS—EMPLOYEES—DISEASES AND HYGIENE)

BABADZHANYAN, M.G., kand. biologicheskikh nauk

"Labor and rest schedule for conveyor lines." Reviewed by M.G.  
Babadzhanian. Gig. i san. no. 10:113-115 0 '60. (MIRA 13:12)  
(INDUSTRIAL HYGIENE)

BABADZHANYAN, M.G.

"Physiology of work processes" by M.I.Vinogradov. Reviewed by M.G.  
Babadzhanian, Gig. 1 san. 25 no.4:119-122 Ap '60. (MIRA 13:8)  
(WORK) (VINOGRADOV, M.I.)

BABADZHANYAN, M.G., kanl.biologicheskikh nauk (Moskva)

Conference on the physiology of labor. Gig. i san. 26 no.10:85-86  
0 '61. (MIRA 15:5)

(INDUSTRIAL HYGIENE)



KARCHIKYAN, Jganes Khachaturovich, nauchn. sotr.; BABADZHANYAN,  
Mikhail ~~Subatovich~~, nauchn. sotr.; POSOSHNIKOVA,  
Klavdiya Porfirovna, nauchn. sotr.; TER-AKOFYAN, E.N.,  
otv. red.

[Manpower and its use in the agriculture of the Armenian  
S.S.R.] Trudovye resursy i ikh ispol'zovanie v sel'skom  
khoziaistve Armianskoi SSR. Erevan, Izd-vo AN Arm.SSR,  
1963. 204 p. (Voprosy razvitiia narodnogo khoziaistva  
Arm.SSR, no.3) (MIRA 17:10)

1. Institut ekonomiki AN Arm.SSR (for Karchikyan,  
Babadzhanyan, Pososhnikova).

"The Problem of Chronic Osteomyelitis Becoming Malignant," Vest, K. I. (1954),

BABADZHANYAN, O.K., zaveduyushchiy; AGAYEV, Sh.D., glavnyy vrach.

Roentgenological changes in the osseous system in hemolytic anemia. Vest.  
rent.1 rad. no.3:45-46 My-Je '53. (MLRA 6:8)

1. Rentgenovskoye otdeleniye polikliniki sanitarnogo upravleniya Minister-  
stva zdravookhraneniya Azerbaydzhanskey SSR (for Babadzhanyan). 2. Poli-  
klinika sanitarnogo upravleniya Ministerstva zdravookhraneniya Azerbayd-  
zhanskey SSR (for Agayev). (Anemia)

BABADZHANYAN, Pargov Artashevich; LYUSIN, Boris Ivanovich; POPOV, K.K.  
red.; VORONIN, K.F., tekhn.red.

[Design and production of collectors for electric machinery]  
Konstruktsiia i proizvodstvo kollektorov elektricheskikh mashin.  
Moskva, Gos.energ.izd-vo, 1960. 189 p.

(MIRA 14:4)

(Electric current collectors) (Electric machinery)

Cand Med Sci

BABADZHANYAN, S. B., PHYSICIAN

Dissertation: "Brain Insultuses and Significance of Neurosomatic Connectors in  
Their Pathogenesis."  
30/6/50

Second Moscow State Medical Inst imeni

I. V. Stalin

SO Vecheryaya Moskva  
Sum 71

BABADZHANYAN, S.B.

Pathogenesis of pulmonary damages in hemorrhagic insultus. Zh. nevropat.  
psikhiat., Moskva 52 no. 6:70-73 June 1952. (GIML 23:3)

1. Candidate Medical Sciences. 2. Of the Nervous Division of Moscow  
Municipal Clinical Hospital (Scientific Supervisor -- Prof. D. S.  
Futer; Head Physician -- P. G. Demidov).

*BARADZHANYAN, S.B.*  
BARADZHANYAN, S.B.

Clinical aspects and histopathology of polyneuritis in periarteritis nodosa. Zhur.nevr. i psikh. Supplement:26 '57. (MIRA 11:1)

1. Nervnoye otdleniye (nauchnyy rukovoditel' - prof. D.S.Futer)  
4-y gorodskoy klinicheskoy bol'nitsy (glavnyy vrach M.V.Ivanyukov),  
Moskva.

(ARTERIES--DISEASES)

FINKEL', Kh.Ya.; CHERPAKOV, B.I.; BABADZHANYAN, Z.S.

Automatic control of a centerless grinding machine. Stan.  
1 instr. 34 no.10:23-25 0 '63. (MIRA 16:11)



BABADZHOV, L.N.

Pneumoconioses among workers of fluorine mines in Slavianka  
(Sandansko) and Mikhalkova (Devinsko). Suvr. med. 12 no.10:  
19-27 '61.

1. Iz Okruzhnia tubdispanser v Sofia (Gl. lekar dots.  
R. Rusev).

(PNEUMOCONIOSES) (MINING)

BURILKOV, T.; BABADZHOV, L.

Results of the fluorographic examination of the population of the  
Sofia District in the People's Republic of Bulgaria. Probl. tub.  
no.3:9-13 '62. (MIRA 15:4)

1. Iz Okruzhnogo protivotuberkuleznogo dispansera v Sofii (glavnyy  
vrach - dotsent R. Rusev)

(SOFIA DISTRICT—DIAGNOSIS, FLUOROSCOPIC)

BABADZHOV, L.

BURILKOV, T.

Bulgaria

[Academic Degrees]

[Affiliation] Sofia Okrug Tuberculosis Dispensary; Chief Doctor:  
R. Rusev.

[Source] Sofia, Khigiena, No 5, Sep-Oct 1962, pp 48-53.

[Data] "Unknown and Registered Morbidity from Tuberculosis in  
Sofia Okrug."

Co-author(s):

BABADZHOV, L.

2

BULGARIA

M. MONDESHKI, T. BURILKOV and J. BARADZHOV, Department of Physiotherapy (Kat dra po ftiziatriya) Head (Rukovoditel) Prof. M. MONDESHKI, of Medical School, and Regional Tuberculosis Dispensary (Okrozhniya protivotuberkulozer. dispanser) Head Physician (glavni lekar) Docent R. RUSEV, Sofia

"Asbestosis in Asbestos Miners in Avran, Krumovgrad Region."

Sofia, Suvremenna Meditsina, Vol 13, No 10, 1962; pp 34-40.

Abstract [English summary modified]: Detailed case reports of asbestosis in 2 miners and data on pulmonary diseases in 112 others. First reports of true asbestosis in Bulgaria. Two tables, 4 rentgenograms; 5 Soviet 1 Czech and 8 Western references.

1/1

BURILKOV, T.; BABADZHOV, L.; KUZMANOV, V.

Complete fluorographic examination for the population of the  
Botevgrad region. Suvr. med. 14 no.1:22-29 '63.

(TUBERCULOSIS PULMONARY)  
(TUBERCULOSIS PLEURAL)  
(MASS CHEST X-RAY)  
(LUNG DISEASES)

KHADZHIOLOV, Khr.; DOCHOVSKI, D.N.; BABADZHOV, L.

Silicosis in the Svoje mining area. Nauch tr. vissh. med. inst.  
Sofia 42 no.2:59-78 '63.

1. Predstavena ot prof. L. TSvetkov, rukovoditel na Katedrata  
po khigiena s klinika po profesionalni bolesti.  
(SILICOSIS) (EPIDEMIOLOGY)

KHADZHIOLOV, Khr.; DOCHOVSKI, D.N.; PANOV, Iv.; BABADZHOV, L.

Distribution, evolution and forms of silicosis in the  
"Chiprovtsi" mine. Nauch tr. vissh. med. inst. Sofia 42  
no.2:93-111 '63.

1. Predstavena ot prof. Ľ. Tsvetkov, rukovoditel na Katedrata  
po khigienu s klinika po profesionalni bolesti.  
(SILICOSIS) (EPIDEMIOLOGY)

Public Health

BULGARIA

BARADZHOV, L. N., District Tuberculosis Dispensary (Chief Physician Kh. Stefanov), Sofia

"Repeated Fluorographic Examination of the Population of Botevgrad Region"

Sofia, Suvremenna Meditsina, Vol 17, No 5, 1966, pp 417-424

Abstract: A fluorographic examination of the population of the Botevgrad region (rayon) of the Sofia district (okrug) for the purpose of detecting tuberculosis was carried out in 1959-1961. The examination was repeated in 1962-1964. The second examination covered 96.1% of the population. The Botevgrad region, which is partly urban and partly rural, has the highest incidence of tuberculosis in the Sofia district. The number of unknown (previously undetected) cases of tuberculosis decreased by 12.5% in villages of the Botevgrad region from the first to the second examination vs, an average decrease of 33.6% in villages of other regions of the Sofia district. The number of unknown cases among the urban population remained unchanged in the

1/2



L 04300-67 EWT(m)/T/EWP(t)/ETI IJP(c) WW/JD/JG  
ACC NR: AP6029855 (N) SOURCE CODE: UR/0032/66/032/008/0970/0973

AUTHOR: Gert. L. M.; Babad-Zakhryapin, A. A.

44  
B

ORG: none

TITLE: Determination of the diffusion coefficient for carbon in zirconium carbide at  
various temperatures

Sofia, Suvremenna Meditsina, Vol 17, No 5, 1966, pp 417-424

Botevgrad region, while it decreased by 38.7% in other regions of the district. The increase in the number of recorded cases of tuberculosis because of detection of new cases by fluorography was 23.8 and 31.8% for the first and second general examination, respectively. The distribution between forms of pulmonary tuberculosis changed in a favorable sense. A particularly high percentage of undetected cases of tuberculosis was established among village inhabitants aged 60 and above. Tables and graphs, 11 references (5 Bulgarian, 1 USSR, 1 Polish, 4 German). Manuscript received Jul 65. Russian and English summaries.

Card 1/2

L 04300-67

ACC NR: AP6029855

1800°C,  $1.36 \cdot 10^{-7}$  cm<sup>2</sup>/sec at 1900°C and  $3.04 \cdot 10^{-7}$  cm<sup>2</sup>/sec at 2000°C. These experimental data and the proposed formula give the following values:  $D_0 = 10$  cm<sup>2</sup>/sec and  $Q = 78,500$  calories. It is claimed that the accuracy of the diffusion coefficients as determined from the proposed formula is at least 50%. Orig. art. has: 1 figure, 5 formulas.

SUB CODE: 20,11/

SUBM DATE: none/

ORIG REF: 009

Card 2/2

L 29783-66 EWP(c)/EWP(v)/EWP(j)/EWP(k)/EWP(h)/EWP(l) RM

ACC NR: AP6020884

SOURCE CODE: RU/0003/65/016/009/0419/0423

AUTHOR: Toma, I.; Craciunescu, V.; Babaita, Valeria

ORG: Faculty of Industrial Chemistry, Polytechnical Institute, Timisoara  
(Facultatea de Chimie Industriala, Institutul Politehnic)

TITLE: Some observations regarding production capacity in the chemical industry

SOURCE: Revista de chimie, v. 16, no. 9, 1965, 419-423

TOPIC TAGS: chemical industry, industrial production

ABSTRACT:

The authors call attention to some peculiarities in the interpretation, calculation and analysis of the production capacity of the chemical industry arising from the complexity of the manufacturing processes involved, and show the dependence of this capacity on a number of variable factors. A method for the calculation and analysis of production in terms of such factors (for example, surface area involved in a reaction) is presented. Orig. art. has: 22 formulas and 1 table. [Based on authors' Eng. abstract]. [JPRS]

SUB CODE: 05, 07 / SUBM DATE: none / ORIG REF: 002

Card 1/1

UDC: 66.012.42:338.062.13

CHMEL, Ledislav, BABAK, Andrej

Clinical and mycological studies on superficial trichophytosis  
caused by *Trichophyton sulfureum*. Cesk. dermat. 29 no.3:189-196  
Je '54.

1. Z dermatologickej kliniky LFSSU v Bratislave a OUNZ v Trnave.  
(RINGOWN,  
\*trichophyton sulfureum)

БІБІК, А. Л.

Bebek, A. L. "The effect of two types of fodder fed to related boars and pigs on the development and metabolism of their progeny." Min Higher Education Ukrainian SSR. Khar'kov Zootechnical Inst. Khar'kov, 1956. (Dissertation for the Degree of Candidate in Agricultural Science)

So: Knizhnaya letopis', No. 27, 1956. Moscow. Pages 94-109; 111.

*Babek, A. M.*

CZECHOSLOVAKIA/Chemical Technology.

I-25

Chemical Products and Their Application--Wood  
chemistry products. Cellulose and its  
manufacture. Paper.

Abs Jour: Ref Zhur-Khimiya, No 3, 1957, 1043

Author : Babek, A. M.

Inst : Not given

Title : Increasing the Output of the Contact Drying Process.

Orig Pub: Papir a celuloza, 1955, Vol 10, No 11, 242-243  
(in Czech)

Abstract: A translation. See RZhKhim, 1956, 30903.

Card 1/1

BABAK, A.M., inzhener

Intensification of the cylinder drying process. Hum.prom. 30  
no.7:10-12 J1'55. (MIRA 8:10)

(Paper industry)

BABAK, A. M.

BABAK, A. M.: "A study of the effect of operational parameters on the intensity of the process of contact drying of capillary-porous bodies." *Min Higher Education USSR. Moscow Technological Inst of the Food Industry. Moscow, 1956. (Dissertation for the Degree of Candidate in Technical Sciences).*

Source: Knizhnaya letopis' No. 28 1956 Moscow



BABAK, A. M., Cand of Tech Sci -- (diss) "Study of the influence of rated parameters on the intensity of the process of contact drying of capillary-porous bodies." Moscow, 1957, 10 pp (Moscow Technological Institute of the Food Industry), 100 copies (KL, 31-57, 104)

BABAK, A. M., inzh.

Effect of operating conditions on the drying of pulp. Bum. prom. 33  
no.1:14-15 Ja '58. (MIRA 1:1:2)

(Pulp--Drying)

BABAK, B. A.

Collection of problems in industrial statistics; textbook Moskva, Gos.  
statisticheskoe izd-vo, 1984. 206 p. (55-40773)

HALO.1 6B23

1. Industrial statistics - Problems, exercises, etc.

BABAK, Boris Averkiyevich; PRIVEZENTSEVA, A.G., red.; KAPRALOVA, A.A.,  
tekhn.red.

[Collection of problems in industrial statistics; textbook for  
statistical schools and the educational system for training  
administrative personnel for the Central Statistical Administration  
of the U.S.S.R.] Sbornik zadach po statistike promyshlennosti;  
uchebnoe posobie dlia statisticheskikh tekhnikumov i uchebnoi seti  
upravleniia podgotovki kadrov TsSU SSSR. Moskva, Gos.stat.izd-vo,  
1960. 175 p. (MIRA 13:7)

(Industrial statistics)

*PHASE I*

PHASE I BOOK EXPLOITATION 1050

Kirov (Province) Oblastnoye statisticheskoye upravleniye

Narodnoye khozyaystvo Kirovskoy oblasti; statisticheskiy sbornik.  
(Economy of the Kirov Oblast; Collection of Statistics) [Kirov]  
Kirovskoye knizhnoye izd-vo, 1957. 135 p. 5,000 copies printed.

Additional Sponsoring Agency: U.S.S.R. Tsentral'noye statisticheskoye upravleniye

Compilers: Babak, D.V., and Boyarintseva, N.F.; Chief Ed.:  
Gorbatovu, K.D., Chief, Kirov Oblast Statistical Administration; Ed.: Zolin, A.N., Perminov, S.A., Gladkikh, V.I.,  
Zubareva, A.F., Garkunova, Ye.N., Chistoserdova, M.A., and  
Rossokhina, M.M.

PURPOSE: The book is intended for economists and economic statisticians.

Card 1/4

Economy of the Kirov Oblast (Cont.) 1050

COVERAGE: This is a statistical compilation containing the conventional data on the development and present state of economic and social conditions within the territorial limits of Kirovskaya oblast'. Statistical data for 1951-56 are compared to those for 1940, 1928, and 1913. Many data are itemized per type of production or economic activity and per individual rayons. All data are based on the boundaries existing on January 1st, 1957. Some figures for 1956 are preliminary.

TABLE OF CONTENTS:

Ch. I. Administrative and Territorial Subdivisions of the Oblast and Population	13
This chapter lists all rayons and towns with their area and population.	
Ch. II. Industries	19
Legal structure of industrial enterprises; the number of such enterprises and their force; growth of total output (dynamic and in physical units); production per type of industrial activity; power output	
Card 2/4	

Economy of the Kirov Oblast (Cont.)	1050	
Ch. III. Agriculture and Husbandry		35
Data on area sown (total; per type of crop; per type of legal ownership; per rayon); head of cattle (per type; per ownership; per rayon); grouping of farms according to size; MTS's and their capacities; number of personnel; electrification		
Ch. IV. Capital Construction and Housing Conditions		97
Growth of capital construction; growth of residential area; basic indices on public services and utilities		
Ch. V. Transportation and Communication Services and Networks		103
Freight turnover (river, rail, motor); post and telegraph		
Ch. VI. Number of Workers and Specialists. Training of Specialized Personnel		107
Number of workers per type of activity; number of specialists per type of specialization; training		

Card 3/4

Economy of the Kirov Oblast (Cont.)	1050
Ch. VII. Commerce	115
Retail sales; number of commercial enterprises and public dining halls; sale of basic commodities through consumers' cooperatives and in kolkhozes	
Ch. VIII. Culture	123
Number of schools and students; statistics on schools, libraries, museums, theaters, cinemas; number of books and papers	
Ch. IX. Public Health	133
Birth rate; mortality; number of hospital beds; nurseries; physicians; sanatoria	

AVAILABLE: Library of Congress

MM/whl  
1-22-59

Card 4/4



W. H. H. A. , L.

"Ecologic Factors in Physiology." p. 9,  
(CESKOSLOVENSKA FYSIOLOGIE, Vol. 3, No. 1, Jan. 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4  
No. 5, May 1955, Uncl.

BABAK, Frantisek, inz.

Voltage limitation on a disconnected choking coil. El tech  
obzor 52 no.4:175-180 Ap '63.

1. Moravskoslezske elektrotechnicke zavody Brno, vyvojovy zavod.

PHASE I BOOK EXPLOITATION

SOV/5473

Gornoye delo; entsiklopedicheskiy spravochnik. t. 8: Statsionarnoye elektromekhanicheskoye oborudovaniye. Elektrosnabzheniye shakht (Mining Industry; an Encyclopedic Handbook. v. 8: Stationary Electro-mechanical Equipment. Electric Power Supply to Mines) Moscow, Gosgortekhnizdat, 1960. 784 p. Errata slip inserted. 18,500 copies printed.

Chief Ed.: A. M. Terpigorev (Deceased); Members of the Editorial Board: A. I. Baranov, F. A. Barabanov (Deceased), A. A. Boyko, V. K. Buchnev, A. N. Zaytsev; Deputy Chief Eds.: I. K. Kit and N. V. Mel'nikov; I. N. Plaksin, N. M. Pokrovskiy, A. A. Skochinskiy (Deceased), A. O. Spivakovskiy, I. K. Stanchenko, A. P. Sudoplatov, A. V. Topchiyev, S. V. Troyanskiy, A. K. Kharchenko, L. D. Shevyakov and M. A. Shchedrin; Editorial Board for this volume: Resp. Ed.: F. A. Barabanov; Deputy Resp. Ed.: Z. M. Melamed; N. A. Arzamasov, G. M. Yelanchik, V. K. Yefremov, B. I. Zasadych, I. M. Zhumakhov, N. A. Letov, P. P. Nesterov, I. A. Rabinovich, K. I. Skorkin, and V. A. Sumchenko; Authors: G. A.

Card 1/16

Mining Industry (Cont.)

SOV/5473

Babak, Candidate of Technical Sciences, V. D. Belyy, Professor, Doctor of Technical Sciences, K. S. Borisenko, Candidate of Technical Sciences, A. G. Borumenskiy, Candidate of Technical Sciences, I. V. Brusilovskiy, Candidate of Technical Sciences, A. R. Bushel', Candidate of Technical Sciences, V. P. Bukhgal'ts, Engineer, M. N. Vasilevskiy, Candidate of Technical Sciences, A. N. Vas'kovskiy, Engineer, B. N. Vlasenko, Engineer, I. Ya. Gershikov, Engineer, V. G. Geyer, Professor, Doctor of Technical Sciences, A. D. Dimashko, Engineer, V. S. Dulin, Candidate of Technical Sciences, I. L. Lokshin, Engineer, B. M. Melamed, Engineer, Ya. A. Mikheyev, Engineer, V. P. Morozov, Engineer, M. I. Mushkatin, Engineer, V. S. Pak, Academician, I. M. Perskaya, Engineer, N. M. Rusanov, Candidate of Technical Sciences, G. P. Savel'yev, Candidate of Technical Sciences, Ya. M. Smorodinskiy, Candidate of Technical Sciences, K. A. Ushakov, Honored Scientist and Technologist, Professor, Doctor of Technical Sciences, B. M. Furmanov, Engineer, and N. N. Chernavkin, Engineer. Eds.: Ya. M. Drozdov, Engineer, B. I. Zasadych,

Card 2/16

Mining Industry (Cont.)

SOV/5473

Candidate of Technical Sciences, N. S. Karpyshev, Candidate of Technical Sciences, N. A. Letov, Candidate of Technical Sciences, Z. M. Melamed, Candidate of Technical Sciences, Yu. A. Mikheyev, Engineer, V. P. Morozov, Engineer, V. I. Polikovskiy, Professor, Doctor of Technical Sciences, I. A. Rabinovich, Engineer, M. S. Rabinovich, Candidate of Technical Sciences, I. A. Raskin, Engineer, V. S. Tulin, Engineer, S. Ye. Unigovskiy, Engineer, K. A. Ushakov, Honored Scientist and Technologist, Professor, Doctor of Technical Sciences, M. M. Shemakhanov, Candidate of Technical Sciences, P. F. Shishkov, Candidate of Technical Sciences, and V. B. Yablonovskiy, Engineer; Eds. of Publishing House: N. A. Arzamasov and T. I. Rybal'nik; Tech. Ed.: V. L. Prozorovskaya and M. A. Kondrat'yeva.

PURPOSE: This handbook is intended for mining and mechanical engineers as well as for other skilled personnel of the mining industry concerned with the handling and operation of various installations and equipment used in mines.

Card 3/16

Mining Industry (Cont.)

SOV/5473

COVERAGE: Volume VIII of the mining handbook contains detailed information on mine hoisting installations, machines and equipment, mine ventilation units, duct systems, dewatering facilities, various types of pumps, pump meters, pumping stations, and the automatic remote control of these units. The handbook also describes and explains the operation of the air compression units and compressors. Heat-generating and heat-supply equipment of mines is described, as are the electric power supply systems and other electrical equipment such as transformers, power distribution systems, and grounding devices. Telephone communication and signaling systems used in mines are also treated. No personalities are mentioned. Each part of the handbook is accompanied by references, mostly Soviet.

TABLE OF CONTENTS [ Abridged ]:

PART I. MINE HOISTING UNITS

Card 4/16

Mining Industry (Cont.)

SOV/5473

te 2

PART II. MINE FAN INSTALLATIONS

Introduction ( <u>Ushakov, K. A.</u> , Professor, Doctor of Technical Sciences)	178
Ch. I. Fundamentals of the Fan Theory (Brusilovskiy, I. V., Candidate of Technical Sciences, and I. L. Lokshin, Engineer)	178
Ch. II. Aerodynamic Calculation of Fans (Brusilovskiy, I. V., and I. L. Lokshin)	183
Ch. III. Mine Fan Installations and Ventilation Systems (Bushel', A. R., and V. S. Dulin, Candidates of Technical Sciences)	205
Ch. IV. Design of Mine Fans (Dulin, V. S., and <u>G. A. Babak</u> , Candidate of Technical Sciences)	219

Card 7/16

Subak, G. A.

Subak, G. A.

"Investigation of the regulation of mine centrifugal ventilators for the main ventilation systems by means of axial control apparatus." Min Higher Education Ukrainian SSR. Donets Order of Labor Red Banner Industrial Inst imeni N. S. Krushchev. Stalino, 1956. (Dissertation For the Degree Of Candidate In Technical Sciences.)

Knizhnaya letopis'  
No 21, 1956. Moscow.



ИВАНТОВ, В.В.  
IVANTSOV, V.V., gornyy inzhener-elektromekhanik; KHANOV, F.F., starshiy nauchnyy sotrudnik; BABAK, G.A., mladshiy nauchnyy sotrudnik; KOLYSHKIN, O.M., aspirant; IVANOV, G.V., kandidat tekhnicheskikh nauk; ZHUMAKHOV, I.M., dotsent.

Ways of improving pumping installations and main ventilation fans for the mining industry; discussion of I.M. Zhumakhov's article. Gor.zhur. no.12:36-40 D '56. (MIRA 10:1)

1. Unipromed (for Ivantsov). 2. Vsesoyuznyy ugol'nyy institut (for Khanov and Kolyshkin) 3. Institut gornogo dela Akademii nauk USSR (for Babak) 4. Molotovskiy gornyy institut (for Ivanov) 5. Moskovskiy gornyy institut (for Zhumakhov).  
(Mine pumps) (Mine ventilation)

124-58-9-9747

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 9, p 38 (USSR)

AUTHOR: Babak, G. A.

TITLE: Control of Centrifugal Mine-shaft Ventilation Blowers for Overall Ventilation by Means of an Axial Control Device (Regulirovaniye shakhtnykh tsentrobezhnykh ventilyatorov glavnogo provetrivaniya osevm napravlyayushchim apparatom)

PERIODICAL: V sb.: Shakhtn. ventilyatory i ventilyatorn. ustanovki. Moscow, Ugletekhizdat, 1957, pp 77-94

ABSTRACT: The effectiveness of the control of centrifugal blowers for the overall ventilation of mine shafts by means of an axial control device (ACD) is investigated. It is found that the employment of an ACD would be more effective relative to the control dependability throughout the entire range of discharge rates, economy, and operational simplicity as compared with other devices for constant-speed control. Recommendations are offered on the selection of the ACD parameters and methods for its installation. On the strength of the analysis performed the author proposes to equip all mine-shaft ventilation blowers with ACD and to inactivate a number of blowers which are not adaptable for ACD. Bibliography: 9 references. 1. Blowers--Control systems. 2. Mines--Ventilation

Card 1/1

V.D. Sokolov

BABAK, G.A.; GASITSA, N.N.

Experience in the inspection, repair and adjustment of main  
ventilation TsAGI-type, B-series axial flow mine fans. Ugol' Ukr.  
2 no.2:31-32 F '58. (MIRA 13:3)

1. Institut gornogo dela AN SSSR i trest Orgenergougol'.  
(Mine ventilation) (Fans, Mechanical)

PAK, V.S., akademik, prof.; BABAK, G.A., starshiy nauchnyy sotrudnik.

New main ventilation mine fans. Ugol' Ukr. 2 no.12:31-33 D '58.  
(MIRA 12:1)

1. AN USSR i Donetskiy industrial'nyy institut (for Pak).
2. Institut gornogo dela AN USSR (for Babak).  
(Mine ventilation) (Fans, Mechanical)

14(1)

AUTHOR:

Babak, G.A.

SOV/21-59-3-9/27

TITLE:

A Method of Calculating the Regulating Characteristics of Mine Centrifugal Ventilators Regulated by Axial Guiding Devices (Metod raschëta regulirov-  
ochnykh kharakteristik shãdhtnykh tsentrobeznykh  
ventilyatorov pri regulirovanii osevyimi napravlyay-  
ushchimi apparatami)

PERIODICAL:

Dopovidi Akademii nauk Ukrain's'koi RSR, 1959, Nr 3,  
pp 264-269 (USSR)

ABSTRACT:

The use of axial guiding devices (ONA) with rotary blades has been finding more and more application in the regulation of centrifugal mine ventilators. This necessitated a working out of theoretical data on the characteristics of mine ventilators with blades set at various angles. Until now this field was neglected. In this work, the author offers a new method of calculating such characteristics. For determining the regulating characteristics, the author takes the characteristics of ventilators

Card 1/3

SOV/21-59-3-9/27

A Method of Calculating the Regulating Characteristics of Mine Centrifugal Ventilators Regulated by Axial Guiding Devices

working without guiding devices, and applying Euler's equation determines the thrust of a centrifugal ventilator without guiding device and with guiding device, wherein  $\Gamma_1$  and  $\Gamma_2$  are dimensionless circulations at the inlet and outlet of the work wheel,  $H$  and  $\Delta H$  stands for a dimensionless loss of thrust in the wheel without and with the guiding device. The expression  $\Delta H_c$  is a dimensionless loss of thrust in the casing,  $\Delta H_d$  is a dimensionless loss of thrust in the diffuser,  $\Delta H_g$  is a dimensionless loss of thrust in the guiding device,  $\Gamma_2$  is a dimensionless circulation in the outlet from the work wheel with an engaged guiding device,  $k$  (figuring equation(9) is a coefficient of decrease of circulation of the work wheel with engaged guiding device, as a result of the change of the current's kinematics in the outlet. There are 3 graphs, 1

Card 2/3

SOV/21-59-3-9/27  
A Method of Calculating the Regulating Characteristics of Mine  
Centrifugal Ventilators Regulated by Axial Guiding Devices

table and 1 Soviet reference.

ASSOCIATION: Institut gornogo dela AN UkrSSR (Institute of Min-  
ing of the AS UkrSSR)

PRESENTED: November 24, 1958, by V.S. Pak, Member of the AS  
UkrSSR

Card 3/3

PAK, V.S., akademik; BABAK, G.O. [Babak, H.O.], kand. tekhn. nauk

Excentric blower of the VTsO type for mine ventilation.  
Visnyk AN URSSR 30 no.8:11-13 Ag '59. (MIRA 13:1)

1, AN USSR (for Pak).  
(Blowers)



BABAK, G.A., kand. tekhn. nauk

"Main ventilation mine fans: set of designs" by I.M. Rudenskii,  
I.A. Raskin. Reviewed by G. A. Babak. Ugol' 34 no.11:63 N '59  
(Mine ventilation) (Rudenskii, I.M.) (MIRA 13:3)  
(Raskin, I.A.)

KARA, Petr Filippovich; BABAK, Grigoriy Aleksayevich; D'YAKOVA, G.B.,  
red. izd-va; MINSKKR, L.I., tekhn. red.

[VTsO3,1-110/450 centrifugal mine fan] Shakhtnyi tsentro-  
beznyi ventilator VTsO3,1-110/450. Moskva, Gos. nauchno-  
tekhn. izd-vo lit-ry po gornomu delu, 1960. 42 p.

(MIRA 14:5)

(Fans, Mechanical)

(Mine ventilation)

PAK, V.S., akademik; BABAK, G.A., kand.tekhn.nauk; PAK, V.V., inzh.

Highly economical centrifugal fans with shaped blades. Ugol' Ukr.  
4 no.3:41-42 Mr '60. (MIRA 13:6)

1. AN USSR (for V.S.Pak).  
(Fans, Mechanical) (Mine ventilation)

BABAK, G.A., kand.tekhn.nauk

Results of aerodynamic tests of the VTSO 3,1-110/450 centrifugal  
mine fan. Ugol' Ukr. no.6:34-35 Je '60. (MIRA 13:7)

1. Nachal'nik Spetsial'nogo konstruktorskogo byuro Kamenskogo  
mashinostroitel'nogo zavoda.  
(Donets Basin--Mine ventilation)  
(Fans, Mechanical--Testing)

BABAK, G.A.; SHCHUKINA, O.M.

Technical and economic indices of mine fans of main ventilation  
systems used in the U.S.S.R. Sbor. trud. Inst. gor. dela AN URSSR  
no.7:3-9 '61. (MIRA 15:1)

(Fans, Mechanical)

PAK, V.S.; BABAK, G.A.

Centrifugal fans with shaped blades of the Mining Institute  
of the Academy of Sciences of the Ukrainian S.S.R. Sbor.  
trud. Inst. gor. dela AN URSS no.7:10-24 '61. (MIRA 15:1)  
(Fans, Mechanical)

BABAK, G.A.

Study of VT30 and TS51-18 centrifugal fans, equipped with rotary radial diffuser, of the Mining Institute of the Academy of Sciences of the Ukrainian S.S.R. Sbor. trud. Inst. gor. dela AN URSR no.7:62-69 '61. (MIRA 15:1)  
(Fans, Mechanical)

Malol, G.A., starskiy nauchnyy sotrudnik; Malol, V.I., starskiy nauchnik.

Response to A.G. Bykhov and I.I. Lokshin's article "Ways of  
improving mine ventilation systems with centrifugal fans."  
Ugol' 36 no.6:60 to 62. (TIA 14:7)

1. Institut gornogo dela, USSR.  
(Mine Ventilation)  
(Bykhov, A.G.)  
(Lokshin, I.I.)



BABAK, G.A., kand.tekhn.nauk

Results of scientific work of the Mining Institute of the Academy  
of Sciences of the Ukrainian S.S.R. and the Donetsk Polytechnic  
Institute on improving centrifugal mine fans. Sbor. trud. Inst.  
gor. dela AN URSR no.12:24-29 '61. (MIRA 15:11)  
(Fans, Mechanical)

BABAK, G.A., kand.tekhn.nauk

Results of aerodynamic tests of industrial models of the TS35-15  
centrifugal fan. Sbor. trud. Inst. gor. dela AN URSR no.12:30-36  
'61. (MIRA 15:11)

(Fans, Mechanical--Testing)

KARA, Petr Filippovich; BABAK, Grigoriy Alekseyevich; D'YAKOVA, G.B.,  
red. izd-va; MESHCHANKINA, I.S., tekhn. red.; MAKSIMOVA, V.V.,  
tekhn. red.

[VTsN1.6 centrifugal fan]TSentrobezhnyi ventilator VTsN1,6.  
Moskva, Gosgortekhnizdat, 1962. 46 p. (MIRA 15:12)  
(Fans, Mechanical)

PAK, V.S., akademik; BABAK, G.A., kand.tekhn.nauk

New VTsN-1,6 and VTsN-2,2 centrifugal mine fans for main  
ventilation. Ugol' Ukr. 6 no.11:37-39 N '62. (MIRA 19:12)

1. Institut gornogo dela AN UkrSSR. 2. AN UkrSSR (for Pak),  
(Mine ventilation)

PAK, V.S., akademik; BABAK, G.A., kand.tekhn.nauk

Raise to a new high level the design and construction of fans. Ugol'  
37 no.7:62 J1 '62. (MIRA 15:7)

1. Institut gornogo dela AN USSR. 2. AN USSR (for Pak).  
(Fans, Mechanical--Design and construction)

BABAK, G.A. [Babak, H.O.]; PAK, V.V.

Power losses in centrifugal ventilators. Dop. AN URSR no.12:  
1616-1621 '62. (MIRA 16:2)

1. Institut gornogo dela AN UkrSSR. Predstavleno akademikom  
AN UkrSSR V.S. Pakom.  
(Fans, Mechanical)

BABAK, G.A., kand. tekhn. nauk; STRECHENKO, I.A., kand.

Development and investigation of the URS-9 two-way communication  
fan. lav. vys. ucheb. zav.; gor. zhur. 7.10.1974-1975 g.

СНИ: 1111

1. Institut gornoy mekhaniki i tekhnicheskoy kibernetiki imeni  
M.M. Fedorova.

BAK, V.V., kin. tekhn.; BABAK, G.S., kin. tekhn. nauk. U.S.S.R., kin.  
tekhn. nauk.; IAK, V.V., kin. tekhn. nauk.

Size of the maximum permissible overall mine depression. Ugos'  
40 no.4922-23 Ap '85. M.RA 18:5.

1. AN USSR (for V.S. Pak).



SHISHKOV, V.P., dotsent; BABAK, I.M., aspirant; SOLOV'YEV, F.A., dotsent;  
DANILEVSKIY, V.M., dotsent; VISHNYAKOV, S.I., dotsent;  
TITOV, G.I.; OKUNTSOV, L.P.; AFANAS'YEV, V.P.; ZHAROV, A.V.,  
assistent; SLUGIN, V.S.; KRYLOV, O.N., aspirant

Noninfectious diseases. Veterina lia 41 no.4:64-80 Ap '64.  
(MIRA 17:6)

1. Moskovskaya veterinarnaya akademiya (for Shishkov, Zharov).
2. Belotserkovskiy sel'skokhozyaystvennyy institut (for Babak).
3. Velikolukskiy sel'skokhozyaystvennyy institut (for Solov'yev).
4. Kurskiy sel'skokhozyaystvennyy institut (for Vishnyakov).
5. Zaveduyushchiy otdelom nezaraznykh zabolevaniy Buryatskoy nauchno-proizvodstvennoy veterinarnoy laboratorii (for Titov).
6. Zaveduyushchiy Berezovskoy veterinarnoy laboratoriiyey, Volgogradskaya obl. (for Okuntsov).
7. Nauchno-issledovatel'skiy institut sel'skogo khozyaystva Kraynego Severa (for Afanas'yev).
8. Pushkinskiy zverosovkhoz Moskovskoy oblasti (for Slugin).
9. Leningradskiy veterinarnyy institut (for Krylov).

BABAK, K., inzhener.

Improved design of the MD-600 hammer mill. Muk.-elev.prom.22 no.3:  
25 Mr '56. (MIRA 9:7)

1. Khar'kovskiy mel'nichnyy kombinat No.2.  
(Grain--Milling machinery)

DE IBAS, Andrey Terent'yevich; POTAFOV, Vladimir Pavlovich; BABAK,  
L.G., inzh., retsenzent; SAKOYLOV, I.A., retsenzent;  
CHUMAGIK, A.I., inzh., retsenzent; GORDON, M.D., kand, tekhn.  
nauk, prepodavatel', retsenzent; DZHUMABAYEV, S.M., inzh.,  
prepodavatel', retsenzent; MATALASOV, S.F., kand. tekhn. nauk,  
red.; MAKUNI, Ye.V., tekhn. rod.

[Organization of freight and commercial operations]Organiza-  
tsiya gruzovoi i kommercheskoi raboty. Izd.2., peror. i dop.  
Moskva, Transzheldorizdat, 1961. 253 p. (MIRA 15:10)

1. Kafedra "Organizatsiya gruzovoy i kommercheskoy raboty"  
Tashkent'skogo instituta inzhenerov zheleznodorozhnogo tran-  
sporta (for Gordon, Dzhumabayev).  
(Railroads--Management) (Railroads--Freight)

27967  
S/185/61/006/004/012/015  
D274/D303

9,4340

AUTHORS: Babak, L.G., Bochek, S.A., Genkyna, S.M., Dobrolezh,  
S.O., Zhydkov, V.A. and Smushkevych, V.Z.

TITLE: Commercial silicon-carbide as a material for point  
contact diodes

PERIODICAL: Ukrayins'kyy fizychnyy zhurnal, v. 6, no. 4, 1961,  
541-547

TEXT: The possible use of commercial silicon-carbide (produced  
by the Tashkent and Zaporozhe plants) for high temperature point  
contact diodes is considered: This would be economically profitable.  
Specimens of the black and green modification obtained at the Zapo-  
rozhe plant were studied as well as those of the green modification  
of the Tashkent plant. Spectral analysis showed the presence, in  
the specimens, of chemical impurities: Fe, Mg, Mn, Al, Ti. It was  
established that black silicon-carbide crystals have hole-conducti-  
vity, and the green - electron conductivity. The resistivity was

Card 1/3