

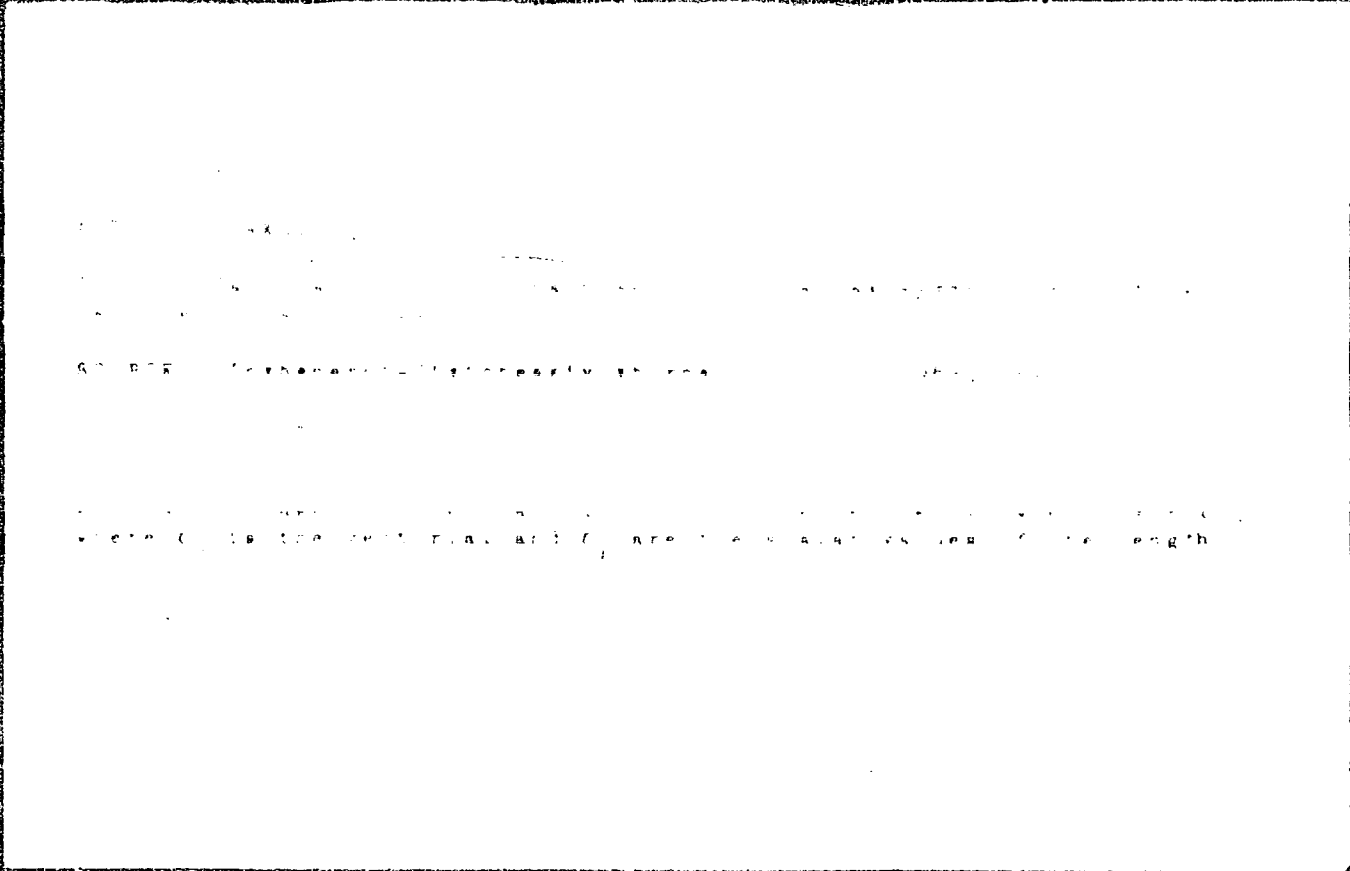
BAKULEV, V.I. (Moskva)

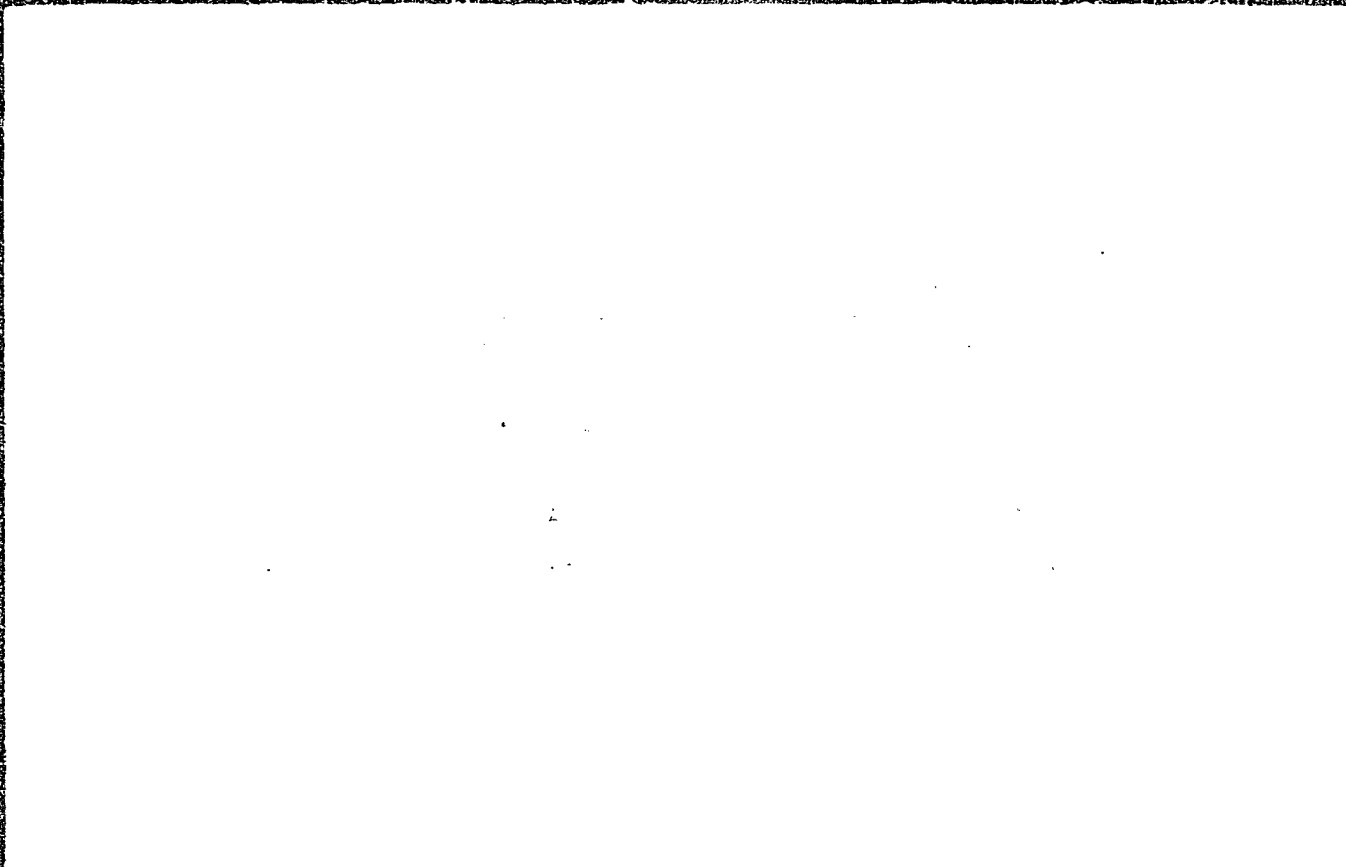
Calculating the turbulent immersed jet of a real gas. Inzh.shur.  
1 no.3:65-74 '61. (MIRA 15:2)  
(Jets—Fluid dynamics)

ABRAMOVICH, G.N.; BAKULEV, V.I.; GOLUBEV, V.A.; SMOLIN, G.G. (Moscow)

"Investigation of turbulent plasma and real gas jets"

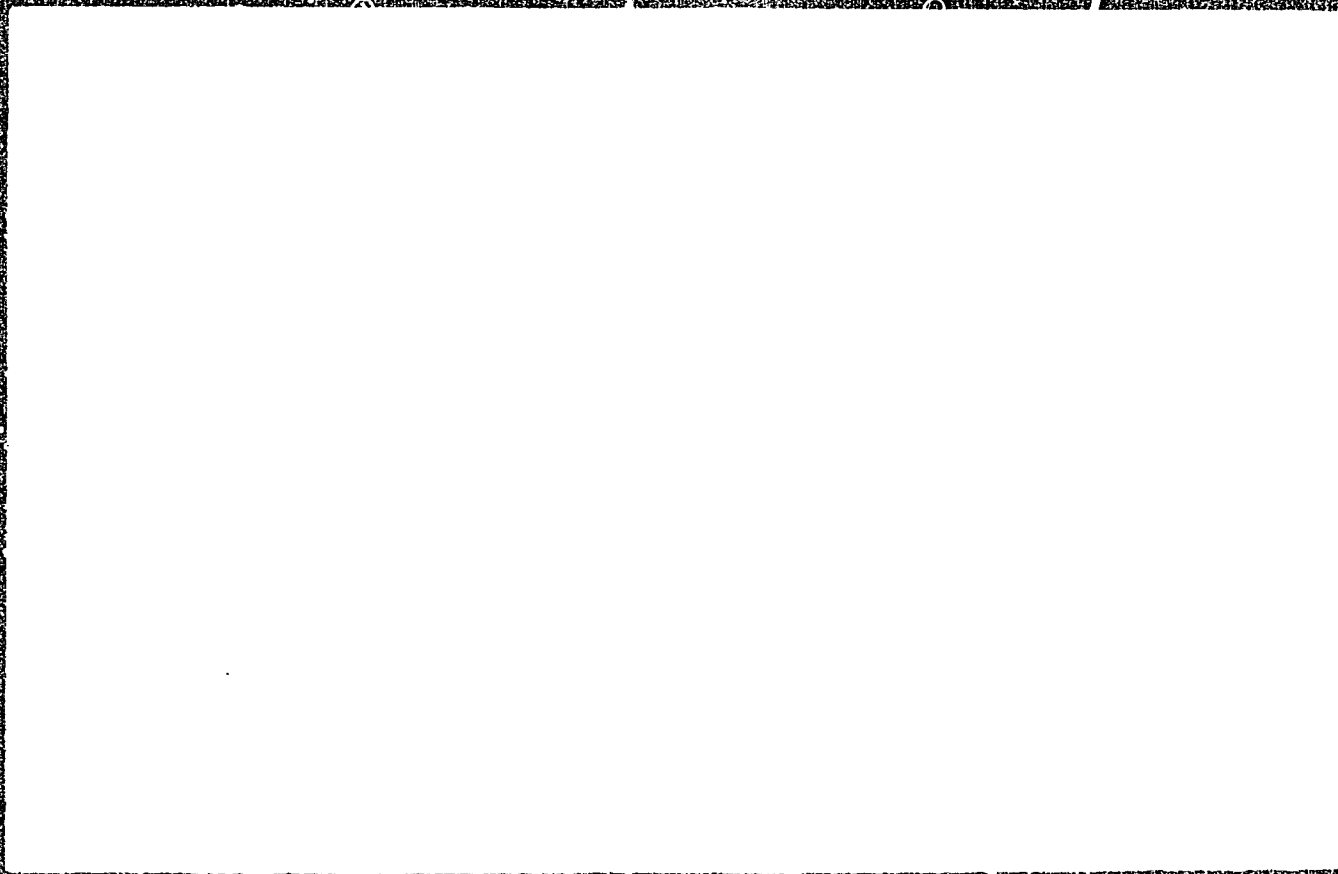
report presented at the 2nd All-Union Congress of Theoretical and Applied  
Mechanics, Moscow, 29 January - 5 February 1964





"APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000103120017-6



APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000103120017-6"

the axial momentum, by

$$\rho u = \rho_m \frac{1}{\sqrt{1-m}} \sqrt{r} F(\eta)$$

and the radial momentum by

$$\rho v = \rho_m \frac{M}{\sqrt{1-m}} \sqrt{r} \left[ \frac{1}{2} P'(\eta) - \frac{1}{2} P(\eta) \right]$$

The boundary layer equation of motion for the element  $\Delta x$  is then given by

$$\rho_m \frac{1}{\sqrt{1-m}} \sqrt{r} \frac{d}{d\eta} \left( \frac{1}{\sqrt{1-m}} \sqrt{r} \frac{dF}{d\eta} \right) = \rho_m \frac{M}{\sqrt{1-m}} \sqrt{r} \left[ \frac{1}{2} P'(\eta) - \frac{1}{2} P(\eta) \right]$$

with the auxiliary boundary equations

$$\frac{\delta^2}{1-m} = \mathcal{E}(\eta) z'(0) \text{ and } z'(1) = 0.$$

The energy equation is obtained immediately and its solution represented by

$\theta = z \sqrt{Pr}$ . The solution of the boundary layer equation above is obtained, using the Galerkin method representing  $z$  by

$$z = \sum_{n=0}^{N-1} \tilde{a}_n \tilde{\phi}_n(\eta)$$

Card 2/4

ACCESSION NR: AP5016264

On 10/10/64, the following information was received from the source:

with the solution. The information was obtained from a source who is reliable and has provided accurate information in the past.

1. Name of the source:

2. Date of information:

NO REF SUY: 005

Card 3, 4

of the source

L 32185-66 EWP(m)/EWT(1)/EWT(m) WW/JW

ACC NR: AP6010859

SOURCE CODE: UR/0421/66/000/001/0154/0158

AUTHOR: Abramovich, G. N. (Moscow); Bakulev, V. I. (Moscow); Makarov, I. S. (Moscow); Khudenko, B. G. (Moscow)

ORG: none

75  
B

TITLE: Investigation of a submerged turbulent stream of real gas

SOURCE: AN SSSR. Izvestiya. Mekhanika zhidkosti i gaza, no. 1, 1966, 154-158

TOPIC TAGS: axisymmetric flow, turbulent flow, real gas, gaseous substance, Prandtl number, nitrogen, LIQUID NITROGEN, CRITICAL PRESSURE

ABSTRACT: The results of the experimental investigation of the axisymmetric flow of liquid nitrogen at supercritical pressure in gaseous nitrogen are presented. The observation of the flow with ordinary and shadowgraph cameras indicates that the liquid flow is distinguished by the absence of droplets at the boundary layer, due to vanishing surface tension at supercritical pressure. The conditions of the experiment and the apparatus used are described (the Reynolds number at the exit nozzle was in the range of 1.7 to  $5.8 \cdot 10^5$ ). The kinetic pressure and temperature profiles were measured at upper and mid-stream sections of the flow and the data are compared with the theoretical computations. The Prandtl turbulence number was so chosen that a phenomenological constant employed in the comparison of the results was about the same for the

Card 1/2



L 32185-66

ACC NR: AP6010859

kinetic and thermal profiles. It was found that under these conditions two density regimes were formed in the stream and the relative width of the cold nitrogen stream is smaller than the isothermal stream. Orig. art. has: 6 figures.

SUB CODE: 20/      SUBM DATE: 10Mar65/      ORIG REF: 003

Card 2/2

BAKULIN, Ye.A.

Study of the relative difference in the mobility of isotope ions  
in electrolyte solutions. Zhur. fiz. khim. 39 no.5:1065-1067  
My '65. (MIRA 18:8)

1. Fiziko-tekhnicheskii institut imeni A.F. Ioffe, AN SSSR.

L 2496-66 EWT(1)/ETC/EPF(n)-2/EWG(m)/EPA(w)-2 IJP(c) AT  
ACCESSION NR: AP5020729

UR/0057/65/035/008/1419/1422

AUTHOR: Bakulin, Ye. A.; Stepin, Ye. V.; Shcherbinina, V. V.

TITLE: Investigation of the electric double layer in a plasma

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 35, no. 8, 1965, 1419-1422

TOPIC TAGS: discharge plasma, plasma structure, electric capacitance, mercury, space charge

ABSTRACT: The authors have determined the thickness of the double layer at the boundary of a cylindrical object in a mercury plasma by measuring its capacitive reactance. The plasma was produced by a low-voltage mercury vapor discharge between a hot cathode and a 7 cm diameter cylindrical anode and diffused into the interior of a 11 cm diameter 30 cm long metallic cylinder which was electrically connected to the anode. Centrally located within and coaxial with this cylinder was a 1.16 cm diameter 7 cm long cylindrical electrode, the double layer at the boundary of which was the object of investigation. The concentration and temperature of the plasma were measured with an 0.1 mm diameter 5 mm long cylindrical probe. The capacitance of the cylindrical electrode was measured at electrode potentials from 20 to 100 V below the anode potential by a resonance method at 0.7

Card 1/2

PC  
Card 2/2

BAKULEVA, L. P.

"Treatment of Acute Suppurative and (Incipient) Serous Mastitis," Akusher. i  
Ginekol., No.5, 1949.

Dept. for Treatment of Mastitis, Lying-In Home No.3, Moscow

BAKULEVA, L. P.

BAKULEVA, L. P. -- "On the Contractive Function of the Uterus and Its Role in the Biomechanism of Childbirth." Second Moscow State Medical Inst imeni I. V. Stalin. Moscow, 1955. (Dissertation for the Degree of Candidate in Medical Sciences).

So.: Knizhnaya Letopis', No. 2, 1956.

PERSIANINOV, L.S., prof.; BAKULEVA, L.P., kand.med.nauk; GRYAZNOVA, I.M.;  
VOLIN, Ye.M.

Gas gynecography in the diagnosis of gynecological diseases.  
Akush.i gin. no.6:62-66 '60. (MIRA 14:1)

1. Iz kafedry akusherstva i ginekologii (sav. - prof. L.S. Persianinov) lechebnogo fakul'teta i kafedry rentgenologii (sav. - prof. B.A. D'yachenko) II Moskovskogo meditsinskogo instituta imeni N.I. Pirogova.  
(GENITOURINARY ORGANS--RADIOGRAPHY) (PNEUMOPERITONEUM, ARTIFICIAL)

BAKULEVA, N.S.

Examination of some trace elements in the blood of healthy dogs with lesions of the stomach and liver. Pat. fiziol. i eksp. terap. 9 no.2:42-46 Mr-Ap '65. (MIRA 18:5)

1. Kafedra patofiziologii (zav. - prof. S.S.Poltyrev) i kafedra obshchey khimii (zav. - dotsent N.M.Chistyakov) Ivanovskogo meditsinskogo instituta.

BAKULEVA, T.P.

The clinical use of polyglucin. Probl. gemat. i perel. krovi 3 no.5:  
45-47 8-0 '58. (MIRA 11:11)

1. Iz kliniki khirurgicheskikh bolezney (dir. - prof. P.L. Sel'tsovskiy)  
Moskovskogo meditsinskogo stomatologicheskogo instituta.

(DEXTRAN, related compounds

polyglucin, ther. use in various traum. cond. (Rus))

(WOUNDS AND INJURIES, therapy

polyglucin transfusions in various traum. cond. (Rus))



RAMSAY, T.P., *Sci Med Sci* (1959) "Detection of  
blood-substitutes <sup>de</sup> solutions." Nos, 1959. 11 pp (Min of Health NSEGR.  
Non Med Stom. tological Inst), 200 copies (11,22-51, 131)

-70-

EXCERPTA MEDICA Sec 9 Vol 13/12 Surgery Dec 59

7083. (1593) METHODS OF ADMINISTRATION OF BLOOD SUBSTITUTES (Russian text) - Bakuleva T. P., - KHIRURGIYA 1959, 3 (56-60) illus. 1 Proceeding from the pathogenetic assumptions in treatment of shock the author modified Seltsovsky's anti-shock fluid by adding bromine and caffeine to it. Following experimental investigation on toxicity, the fluid was used in the clinic for treatment of traumatic and surgical shock of the 1st and 2nd degrees with successful results (100 observations). There were no untoward side effects or complications. Positive results were obtained with another blood substitute - polyglucin. Polyglucin infusion was employed in 104 patients with grave traumatic injuries and acute blood loss. A positive haemodynamic effect was obtained. It gave no post-transfusal reactions or complications. In terminal conditions blood substitutes were injected not only i. v. A complex method of revival of the patients was carried out in 28 cases. Different methods of administration of blood substitutes (polyglucin and Seltsovsky's fluid) and of blood plasma were studied and assessed. In all cases of intra-arterial injections of the above-mentioned substrates similar therapeutic effects were obtained, except in case of Seltsovsky's fluid. The latter gave a painful reaction in the extremity into which the intra-arterial injection was instituted (at the moment of injection). This is explained by a sharp irritation of the angio receptors with ethyl alcohol contained in this mixture. The new modified Seltsovsky's fluid possesses an anti-shock effect and may be prepared in any pharmacy.

BAKULEVA, Y.P. (Moskva)

Function of the pancreas in hypertension. *Klin.med.* 36 no.10:  
98-103 0 '58 (MIRA 11:11)

1. Iz kafedry gosptal'noy terapii (dir. - deystvitel'nyy  
chlen ANU SSSR saslyzhennyi deyatel' nauki prof. A.A. Bagdasarov)  
pediatricheskogo fakul'teta II Moskovskogo meditsinskogo instituta  
imeni N.I. Pirogova.

(HYPERTENSION, physiol.  
pancreas (Rus))

(PANCREAS, physiol. in var. dis.  
in hypertension (Rus))

BAKULEVA, V. P., Candidate Med Sci (diss) -- "The functional state of the pancreas in hypertension patients". Moscow, 1959. 12 pp (Second Moscow State Med Inst in N. I. Pirogov), 250 copies (KL, No 25, 1959, 139)

~~BAKULIN, A.~~

Using withdrawable furnaces with water-cooled walls. Mias. ind.  
SSSR 29 no.2:24-25 '58. (MIRA 11:5)

1. Petropavlovskiy myasokonservnyy kombinat.  
(Furnaces)

*Bakulin, A.A.*

USSR/Forestry - Forest Culture.

J-4

Abs Jour : Referat Zhur - Biologiya, No 16, 25 Aug 1957, 69132

Author : Bakulin, A.A.

Inst :

Title : Forest Growing Conditions of Eterevo and Khopersk-Don  
Sandy Mountain Ranges.

Orig Pub : Tr. Stalindr. s.-kh. in-ta, 1955, 6, 152-163

Abstract : Ten types of sandy soils are distinguished. The group of very good growth conditions includes soils of meadow sandy loam and sandy soils, sandy loam with deep humus and sandy loam with a clayey interlayer. The group of good ones include the buried sandy loam soils, sandy soils with a clayey interlayer, and sandy soils. Adequate soils include growth locations represented by sandy soils with plantings of piney III bonitet, weakly formed light humus, and semibroken and weakly formed sandy soils with plantings of III and IV bonitet. The

Card 1/2

- 55 -

USSR/Forestry - Forest Culture.

J-4

Abs Jour : Referat Zhur - Biologiya, No 16, 25 Aug 1957, 69132

group of poor soils include underdeveloped sandy soils of steep slopes and the summits of hillock sands and undeveloped soils of empty hollows. The best species in sands is the ordinary pine. The Crimean pine is useful only for cultivation in better places for growth. Plantings of deciduous trees are expedient on meadow sandy loam and sandy soils with close subsurface water. Here pine cultivation is characterized by intense growth in height and thickness from 10-20 years of age. Better results are obtained from cultivations of medium density. It is emphasized that plantings in conditions described are developed in conformity with the same conditions that exist in a forest zone. The most successful natural pine reforestation is observed on meadow sandy loam soils and sandy soils with subsurface water not deeper than 2 to 3 m from the surface.

Card 2/2

- 56 -

BAKULIN, A.A. glavnyy mekhanik (st. TSaritsyno Moskovsko-Kursko-Donbasskoy dorogi)

Prepare machinery for summer operation. Put' 1 put. khos. no.2:  
22-23 F '59. (MIRA 12:3)  
(Railroads--Track)  
(Railroads--Equipment and supplies)



SKLYARENKO, V.M.; PANASOV, A.Ye., starshiy inzh.; BAKULIN, A.A.

Letters to the editor. Put' i put. khoz. 5 no. 1:45 Ja '61.

(MIRA 14:5)

1. Nachal'nik stroitel'nogo otdela Giprottranskar'yera (for Sklyarenko).
2. Nachal'nik otdela puti, zdaniy i sooruzheniy otdeleniya dorogi, st. Shaul'yay, Litovskoy dorogi (for Bakulin).  
(Railroads)

ACC NR: AP7000365

SOURCE CODE: UR/0413/66/000/022/0140/0140

INVENTOR: Mashnikov, Yu. I.; Lebedev, O. N.; Treskov, V. V.; Rozenberg, M. M.;  
Bakulin, A. I.; Boyko, I. I.; Krupenya, B. I.

ORG: None

TITLE: A mechanism for forced impact destruction of a diaphragm. Class 47, No.  
188810

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 22, 1966, 140

TOPIC TAGS: pneumatic device, gas pressure

ABSTRACT: This Author's Certificate introduces a mechanism for forced impact destruction of a diaphragm. The unit consists of a striker and a ball catch which holds the striker in the cocked position. The kinetic energy of the striker is increased by rigid connection to a piston which uses gas pressure to move the striker after the ball catch is released.

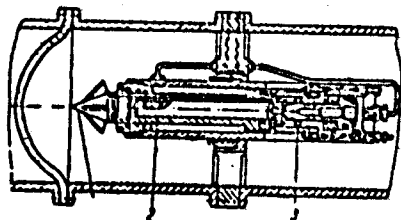
Card 1/2

UDC: 621.646.824:621.646.38

0980

2680

ACC NR: AP7000365



1—striker; 2—piston; 3—ball catch

SUB CODE: 13/ SUBM DATE: 01Feb65

Card 2/2

S/194/61/000/012/044/097  
D256/D303

AUTHORS: Bakulin, A. I. and Radchuk, I. I.  
TITLE: Detecting defects in carrying cables of cable ways  
PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika,  
no. 12, 1961, 27, abstract 12V230 (Tr. Vses. n.-i.  
in-ta pod"yomno-transp. mashinostr. 1960, no. 9,3-33)

TEXT: A description is given of an experimental arrangement developed by VNIIPMASH for testing carrying cables of cable-ways. It was required that the instrument should show internal defects of the cable along its total length including both open and enclosed sections, i.e. including the union couplings and pillar shoes. For this reason two kinds of instruments were devised: Electromagnetic and ray-type; and a detailed description of the theory and construction of both types of instruments is presented together with the results of laboratory tests. The methods of cable testing used on cable-ways in other countries are also discussed. There are 26 figures and 12 references. [Abstractor's note: Complete translation.]

Card 1/1

BAKULIN, A.S.

Improvements in the derrick of the AGM<sup>U</sup> derrick car. Elek. 1  
tepl. tiaga 2 no.9:21 S '58. (MIRA 11:10)

1. Zamestitel' nachal'nika 2-go uchastka energosnabzheniya  
Moskovsko-Kursko-Donbasskoy dorogi.  
(Railroads--Derrick cars) (Cranes, derricks, etc.)

BAKULIN, D. [1]

In the Council of Scientific and Technical Information of the  
Academy of Sciences of the Ukrainian S.S.R. Visnyk AN URSS  
24 no.10:76-77 0 '52. (MLRA 9:9)

(Academy of Sciences of the Ukrainian S.S.R.)

BAKULIN, D.

In the Council of Scientific and Technical Information. Visnyk AN URSS  
24 no.11:77-78 N '52. (MLRA 9:9)  
(Academy of Sciences of the Ukrainian S.S.R.)

BAKULIN, D.

Propagation of science and technology in the E.O.Paton Electric  
Welding Institute and the Institute of Geological Sciences of the  
Ukrainian Academy of Sciences. Visnyk AN URSS 24:73 D '53.

(MLRA 7:3)

(Welding) (Ukraine--Geological museums)

(Geological museums--Ukraine)



KHRENOV, K.K.; BAKULIN, D.I.

Journal ~~"Automotive Welding."~~ "Vіsnyk AN URSR 26 no.1:79-80 Ja '55.  
(Welding—Periodicals)

PALLADIN, A.V., akademik; FEDORCHENKO, I.M., akademik; GULYY, M.F., akademik; BAKULIN, D.I.; MEL'NIKOV, N.P., kand.tekhn.nauk; OKERBLOM, N.O., prof., doktor tekhn.nauk; LYUBAVSKIY, K.V., prof. doktor tekhn.nauk, laureat Stalinskikh premiy; PORTNOY, N.D., kand.tekhn.nauk; TSYBAN', N.G.; KULIKOV, M.S., dotsent; AGRONOMOV, S.N., inzh.; POLYAKOV, V.A., inzh.; SHERSTYUK, V.N., inzh.

Congratulations on the publication of the issue no.100 of the "Avtomaticheskaya Svarka" journal. Avtom.svar. 14 no.7: 3-8 J1 '61. (MIRA 14:7)

1. Prezident AN USSR (for Palladin).
  2. AN USSR, glavnyy uchenyy sekretar' AN USSR (for Fedorchenko).
  3. AN USSR, predsedatel' redaktionno-izdatel'skogo soveta AN USSR (for Gulyy).
  4. Uchenyy sekretar' AN USSR (for Bakulin).
  5. Direktor instituta "Proyektstal'konstruktziya" (for Mel'nikov).
  6. Predsedatel seksii svarochnogo proizvodstva Tekhniko-ekonomicheskogo soveta Leningradskogo sovnarkhoza (for Okerblom).
  7. Glavnyy svarshchik Uralvagonzavoda (for Portnoy).
  8. Glavnyy inzh. zavoda im. Nosenko (for Tsyban').
  9. Dal'nevostochnyy politekhnicheskyy institut im. V.V.Kuybysheva (for Kulikov).
  10. Dal'zavod (for Agronomov, Polyakov).
  11. Dal'nevostochnyy nauchno-issledovatel'skiy institut po stroitel'stvu (for Sherstyuk).
- (Electric welding-- Periodicals)

BAKULIN, F.O.

Constructing highways leading to diamond deposits. Avt.dor. 22  
[i.e.23] no.9:25 8 '60. (MIRA 13:9)  
(Yakutia--Road construction)

BAKULIN, P.O.

Concerning M.N.Gol'dshtein's hypothesis of moisture migration and  
ice formation in freezing ground. Mat.k osn.uch.o mers.son.sem.  
kory no.2:34-37 '55. (MIRA 13:9)  
(Soil freezing)

BAKULIN, F.G.

Defining the concepts of the "moisture and ice content of frozen ground." Mat.k osn.uch.o mers.zon.sem.kory no.2:52-56 '55.

(MIRA 13:9)

(Frozen ground)

FD-3236

USSR/Engineering - Soil Science

*Bakulin*  
Card 1/1 Pub. 41-17/22

Author : Bakulin, F. G. and Zhukov, V. F., Moscow

Title : Deformation of Frozen Spread Soils During Thawing

Periodical : Izv. AN SSSR, Otd. Tekh. Nauk 7, 132-136, Jul 55

Abstract : Reviews conclusions of Soviet literature on subject. Considers influence of thickness, compactness, moisture content, rate of freezing, inclusions, and mineral content of deformation. Considers influence of configuration and compactness of individual mineral components, with moisture-content slightly above plasticity limit, on volume increase during freezing and the influence of external surface loading on deformation after thawing. Four graphs. Ten references, all USSR.

Institution :

Submitted : 27 May 1954

TSYTOVICH, N.A.; NERSISOVA, Z.A.; BOZHENOVA, A.P.; TATYUNOV, I.A.; DOSTOVALOV,  
B.N.; SHUMSKIY, P.A.; BAKULIN, F.G.; SAVEL'YEV, B.A.; ZHUKOV, V.F.;  
MARTYNOV, G.A.; VYALOV, S.S.; SHUSHERINA, Ye.P.

Physical phenomena and processes in freezing, frozen, and thawing  
soils; general comments. Mat. po lab. issl. mersl. grunt. no.3:7-  
114 '57. (MIRA 10:11)

(Frozen ground)

BAKULIN, F.G.

BOZHENOVA, A.P.; BAKULIN, F.G.

Experimental study of mechanisms of moisture movements in freezing  
ground. Mat. po lab. issl. mersl. grunt. no.3:117-128 '57.  
(Soil moisture) (Frozen ground) (MIRA 10:11)



BAKULIN, Fedor Grigor'yevich; NERSESOVA, Z.A., kand.geologo-mineralogicheskikh  
nauk, otvetstvennyy red.; KOTLYAREVSKAYA, P.S., red.izd-va;  
POLYAKOVA, T.V., tekhn.rod.

[Ice and sediment in thawing of perennially frozen ground  
Quaternary deposits of Vorkuta District] L'distost' i osadki pri  
otteivanii mnogoletnemykh chetvertichnykh otlozhenii Vorkut-  
skogo raiona . Moskva, Izd-vo Akad.nauk SSSR, 1958. 94 p.  
(MIRA 11:6)

(Vorkuta District--Frozen ground)

BAKULIN, F.G.

Settling of frozen ground during thawing at experimental sites.

Mat. k. osn. uch. o mers. son. sem. kory no.6:134-142 '60.

(MIRA 13:10)

(Frozen ground)

DAKULIN, F. M. Cand Med Sci -- (diss) "Stimulation of <sup>bone</sup> ~~osteoregeneration~~ in  
~~cases of~~ the treatment of fractures with intra<sup>a</sup>arterial ~~blocks of~~ <sup>block</sup> novocaine and  
morphine." Gor'kiy, 1957. 12 pp (Gor'kiy State Med Inst im S. M. Kirov), 200  
copies (KL, 45-57, 99)

BAKULIN, F.M., mayor med. sluzhby

Result of the use of internal fixation of fractures. Voen. med.  
zhur. no. 12153-54 D'57 (MIRA 11:5)  
(FRACTURES, surgery,  
nailing, result (Rus))

BAKULIN, F.M., podpolkovnik med.sluzhby, kand.med.nauk

Stimulation of bone regeneration in the treatment of fractures by an  
intra-arterial novocaine block with morphine. Voen.-med.shur. no.12:  
19-21 D '58. (MIRA 12:12)

(FRACTURES, ther.

intra-arterial procaine block with morphine,  
stimulation of bone regen. (Rus))

(MORPHINE, ther.use,

fract., with intra-arterial procaine block, stimulation  
of bone regen. (Rus))

(PROCAINE, ther. use,

fract., intra-arterial block, with morphie, stimulation  
of bone regen. (Rus))

(ANESTHESIA, REGIONAL, in var. dis.

intra-arterial procaine block in fract., with morphine,  
stimulation of bone regen. (Rus))

~~BAKULIN, T. M.~~

Unusual case of severe closed abdominal trauma. Khirurgiia, Moskva 34  
no. 11:114-115 N '58. (MIRA 12:1)  
(ABDOMEN, wds. & inj.  
closed, unusual case (Rus))

BAKULIN, F.M. (Perm')

Two cases of severe open fractures of the long bones treated by  
metallic osteosynthesis. Ortop.travm. i protes 19 no.2:63  
Mr-Ap '58 (MIRA 11:5)

(FRACTURES, surg.

metallic osteosynthesis of open fract. (Rus))

BAKULIN, F.M. (Perm')

Case of the successful use of transdiaphragmatic drainage of the  
mediastinum in esophageal perforation. Khirurgia No.3:128-129  
'63. (MIRA 16:5)  
(ESOPHAGUS--WOUNDS AND INJURIES) (DRAINAGE, SURGICAL)



BAKULIN, F.M.

Two cases of serious multiple combined fractures of the long bones. Ortop., travm. i protez. 22 no.4:71-72 Ap '61.

(MIRA 14:11)

(INTERNAL FIXATION IN FRACTURES)  
(EXTREMITIES, LOWER—FRACTURES)

RAKULIN, I. I.

"Rational Production of Shovels for Aspen Planks," Les. khoz., No.1, 1952

Bakulin, I. I.

USSR/Agriculture - Cattle Breeding

Card 1/1

Author : Bakulin, I. I. Cand. of Agricult. Sciences

Title : The Azerbaidzhan Zebu (cattle)

Periodical : Priroda, 5, 108 - 110, May 1954

Abstract : The large cattle in southern Azerbaidzhan has its origin from the Zebu and its hybridization with local Caucasian stock. The milk from Zebu-cows has a higher fat content, up to 4.64% in the summer season. The milk also has a higher content of albumin 3.4 - 3.7% and mineral substances (calcium in particular) 147.2 - 156.8 mg% Zebu milk has a high content of microelements: cobalt, copper, iron, zinc. The content of microelements in Zebu-milk is two (2) to two and one half times (2½) higher than in the milk of Caucasian stock. Photos of Zebu cattle and hybrid cattle are included.

Institution : Acad. of Sc. USSR

Submitted : ....

BAKULIN, I. I.

USSR/Agriculture Buffalo raising

Card : 1/1

Authors : Bakulin, I. I., Candidate of Agricultural Sciences

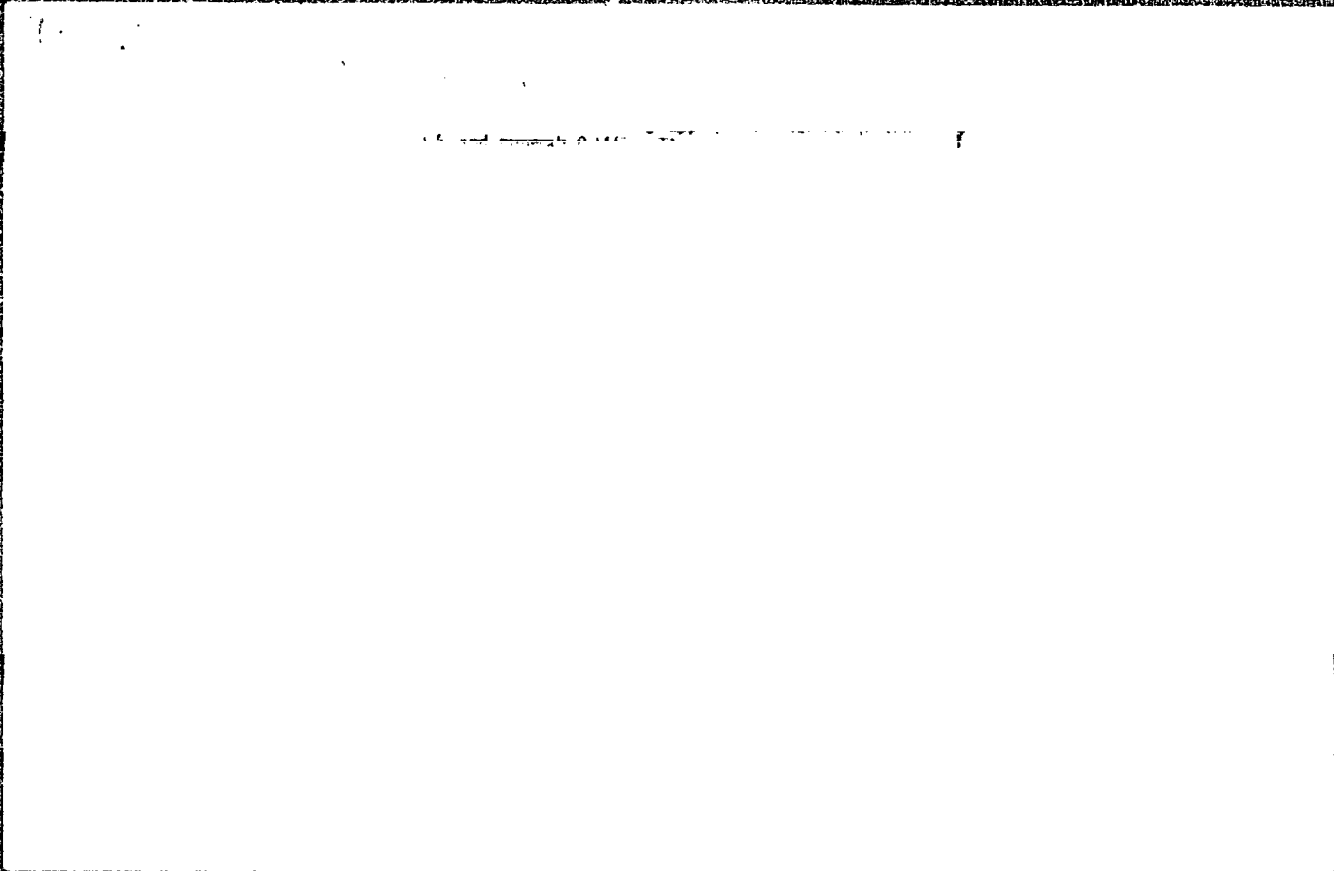
Title : ~~Lenkora buffalo~~  
: Lenkora buffalos

Periodical : Priroda, 43/7, 107 - 109, July 1954

Abstract : The concentration of buffalo raising in Southern Azerbaijan near Lenkora is described and details of the production of commercial products from this animal are given. Illustrations.

Institution : .....

Submitted : .....



TULUPNIKOV, A.I.. Primalni uchastiye: BAKULIN, I.I.; VIKHLYAYEV, A.P.;  
DUBOROV, M.T.; KABANOV, P.H.; PIS'MENNYI, I.G.; POPOV, M.I.,  
SOLOV'YEV, A.V., prof., doktor ekon.nauk, retsenzent; MAKAROV, N.P.,  
prof., doktor ekon.nauk, retsenzent; GORYACHKIN, M.I., kand.nauk,  
retsenzent; OKHAPKIN, K.A., kand.nauk, retsenzent; RUSAKOV, G.K.,  
kand.nauk, retsenzent; MURATOV, D.G., kand.nauk, retsenzent; CHERE-  
MUSHKIN, S.D., kand.nauk, retsenzent; TOLOV, V.V., retsenzent.

[Economic basis for agricultural administration] Voprosy ekonomii  
cheskogo obshchestva sistem vedeniya sel'skogo khoziaistva. Moskva,  
1960. 275 p. (MIRA 13:6)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut ekonomiki  
sel'skogo khozyaystva. 2. Vsesoyuznyy nauchno-issledovatel'skiy insti-  
tut ekonomiki sel'skogo khozyaystva (for Bakulin, Vikhlyayev, Duborev,  
Kabanov, Pis'mennyi, Popov.)  
(Farm management)

BAKULIN, I.I., starshiy nauchnyy sotrudnik; BOGACHIK, I.A., starshiy  
nauchnyy sotrudnik; KNYAZEV, N.K., starshiy nauchnyy sotrudnik;  
MASHKEVICH, N.G., starshiy nauchnyy sotrudnik; PIS'MENNYI, I.G.,  
starshiy nauchnyy sotrudnik; UDOVENKO, Ye.Ya., starshiy  
nauchnyy sotrudnik

Specialization of farms for securing the supply of fresh milk  
to the population of large cities. Zhivotnovodstvo 23  
no.7:16-23 J1 '61. (MIRA 16:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut  
ekonomiki sel'skogo khozyaystva.  
(Dairying)

FAKULIN, I. N.

Forests and Forestry

Propagandizing the importance of the forest among the people. Les. khoz. 5,  
no. 7, 1952.

9. Monthly List of Russian Accessions, Library of Congress, September <sup>1952</sup> ~~1953~~, Unclassified.



1. BAKULIN, I.N.
2. USSR (600)
4. Forest Management
7. Theory and practice of improvement cutting. Les. khoz. 5 no. 11, 1952.

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

BUTORIN, N.V.; BAKULIN, K.A.

Structure of the velocity field of winter flow in the Borck-  
Koprino cross section. Trudy Inst. biol. vnutr. vod no.6:258-69  
'63. (MIRA 18:1)

BAKULIN, M.V.; DUGINA, N.A., tekhnicheskiy redaktor

[Coordinate-base work on large pieces] Koordinatno-bazovaya obra-  
botka krupnykh detalei. Moskva, Gos. nauchno-tekhn. izd-vo mashino-  
stroitel'noi i sudostroitel'noi lit-ry, 1953. 29 p. (MLRA 7:8)  
(Drilling and boring)

Bakulin, M. V.

AID P - 4303

Subject : USSR/Engineering  
Card 1/1 Pub. 128 - 3/26  
Authors : Bakulin, M. V. and V. M. Kopaygorenko  
Title : Examples of adjusting the design of construction details to a technologically-resonable machining.  
Periodical : Vest. mash., #3, p. 17-19, Mr 1956  
Abstract : The authors give numerous examples from the shops of the Ural Machine Plant (Uralmash-zavod) showing how relatively small changes in the design of machine details can make a great time- and money-saving difference in their machining. Diagrams.  
Institution : None  
Submitted : No date

MITSENKENDLER, Iosip Solomonovich; KOPAYGORENKO, V.M., inzhener. rezensent:  
BAKULIN M.V., inzhener, rezensent; YARYGINA, V.P., tekhnicheskii redaktor.

[Stand method for machining large parts; work practices of the Ural  
Machine Factory] Stendevalia obrabotka krupnykh detalei; iz opyta  
Uralmashsveda, Moskva, Gos.nauchno-tekhn.isd-vo mashinostroit.lit-  
ry, 1956. 41 p. (MLRA 10:4)  
(Machine tool industry) (Rolling mills)

BAKULIN, Mikhail Venediktovich; KOPATGORENKO, Vasily Makarevich; SHABASHOV, S.P., kandidat tekhnicheskikh nauk, rezensent; DUGINA, N.A., tekhnicheskij redaktor.

[Planning the application of new techniques to every machine tool; according to the practices of the Ural machinery plant] Planirovanie vnedreniya novoi tekhniki na kazhdom stanke; po opytu Uralmashsveda. Moskva, Gos.nauchno-tekhn.isd-vo mashinestroit.lit-ry, 1956. 42 p.

(MIRA 10:4)

(Machine tools)

BAKULIN, M.V.; OBRONEL', S.O., insh.

Transportability of structures. Mashinostroitel' no.9:39-40 S '57.  
(Machine-shop practice) (MLRA 10:9)

PHASE I BOOK EXPLOITATION 342

Mitsengendler, Iosif Solomonovich

Stendovaya obrabotka krupnykh detaley; iz opyta Uralmashzavoda  
(Machining of Large Parts on a Platform; Experience of the Ural  
Machine Plant) Moscow, Mashgiz, 1956. 41 p. 3,000 copies printed  
(Obmen tekhnicheskim opytom).

Reviewers: Kopyagorenko, V.M., Engineer, and Bakulin, M.V., Engineer;  
Tech. Ed: Duzina, N.A.

PURPOSE: This booklet is intended for engineerin nd technical  
personnel of machine-building plants.

COVERAGE: The author describes a progressive method of machining  
large parts. The method employed at the Ural Machine-  
Building Plant is based on the use of machine tools  
assembled from standardized components and technological  
processes of serial production. The machined part is a  
steel casting of a rolling-mill frame weighing 78 metric  
tons, with dimensions of 23.4 ft x 11.6 ft x 6.2 ft.

Card 1/2 Application of the new methods results in completion of the



Machining of Large Parts on a Platform

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frame machining in five days as contrasted with the 2-3 months required for this cycle previously. The booklet describes the tool set-up and all the consecutive operations of the old and new methods of machining. The general conclusion of our experience based on successful utilization of the new method permits reduction of the production cycle time for large parts up to 1/3 - 1/4. There are no references or personalities mentioned.

TABLE OF CONTENTS:

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The Machined Part	5
The Old Technological Process	7
Specialized Machining Sector	11
The New Technological Process	26
Conclusion	41
AVAILABLE: Library of Congress Card 2/2	

JAG/MTL  
May 29, 1958

BAKULIN, M.V.

~~\_\_\_\_\_~~  
New techniques for horizontal adjustment of large parts. Sbor.st.  
UZTM no.7:181-184 '58. (MIRA 12:6)  
(Machine-shop practice)

BAKULIN, N.

Further simplification of planning and accounting records is necessary.  
Muk.-elev.prom. 21 no.3:30 Mr '55. (MIRA 8:5)

1. Moldavskaya respublikanskaya kontora Zagotserno.  
(Grain trade--Accounting)

BARJIN, N.D., Cand Med Sci — (diss) "Changes in the activity of carbo-  
anhydrase in the cerebrum and blood of animals under the effect of soporific and stimulating substances." Kuybyshev, 1958. 11 pp (Kuybyshev State Med Inst. Chair of Biochemistry), 220 copies (KL,46-5<sup>11</sup>,142)

-57-

BAKULIN, N.D.

Simple method for preparing a suspension of medullar matter. Lab.  
delo 7 no.1:56 Ja '61. (MIRA 14:1)

1. Kafedra biokhimii (zav. - dotsent Yu.D. Ryzhkov) Chitinskogo  
meditsinskogo instituta.  
(ANATOMICAL SPECIMENS)

BAKULIN, N.D.

Test tube holder equipped with a safeguard. Lab. delo 7 no.12:  
46-47 D '61. (MIRA 14f11)

1. Kafedra biokhimi (sav. - dotsent Yu.D.Ryshkov) Chitinskogo  
meditsinskogo instituta.  
(LABORATORIES--APPARATUS AND SUPPLIES)

BAKULIN N. I.

PHASE I BOOK EXPLOITATION

80V/3895

Moscow. Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii.  
Institut pretsizionnykh splavov

Pretsizionnyye splavy (Precision Alloys) Moscow, Metallurgizdat, 1960. 283 p.  
(Series: Its: Sbornik trudov, vyp. 23) Errata slip inserted. 2,525 copies  
printed.

Additional Sponsoring Agency: USSR. Gosudarstvennaya planovaya komissiya.

Ed.: D.I. Gabrielyan; Ed. of Publishing House: Ye.I. Levit; Tech. Ed.:  
Ye.B. Vaynshteyn.

**PURPOSE:** This book is intended for engineers and scientific personnel in the  
metallurgical, instrument-production, and electrical-equipment industries,  
as well as for industrial personnel engaged in the production of precision  
alloys. It may also be useful to students attending advanced technical schools.

**COVERAGE:** The articles in this collection present the results of investigations  
conducted in recent years by the Central Scientific Research Institute of

Card 1/6

## Precision Alloys

80V/3895

Ferrous Metallurgy (Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii). The articles deal with industrial techniques of producing soft magnetic alloys, properties and structure of the alloys at extremely low temperatures and in high-frequency magnetic fields, deformation textures, magnetostriction, the galvanomagnetic effect, volume changes, etc. Some articles are concerned with the investigation of deformed hard magnetic alloys. No personalities are mentioned. The articles are accompanied by references, both Soviet and non-Soviet.

## TABLE OF CONTENTS:

Sokolov, V.I. Development of Methods of Obtaining 50N and 79NM Soft Magnetic Alloys With Good Magnetic Properties	5
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Gratsianov, Yu.A. and A.A. Gerasimenko. New Soft Magnetic Iron-Nickel-Silicon Workable Alloys	34
Gabrielyan, D.I. and G.N. Kadykova. Improved Dynamo Grade Electrical Sheets (With Al and As Additions)	47

Card 2/6



1.1600

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S/137/61/000/009/013/087

A060/A101

AUTHOR: Bakulin, N.I.

TITLE: Rolling of nickel-iron powders into tape

PERIODICAL: Referativnyy zhurnal. Metallurgiya, no. 9, 1961, 3-4, abstract 9D22.  
("Sb. tr. Tsentr. n.-i. in-t chernoy metallurgii", 1960, 23, 23-33)

TEXT: The research was carried out with iron nickel carbonyl powders each particle of which had the required composition. The design of the experimental laboratory mill of TsNIChM and the technology of the preparation of tape with composition H50 (N50) and H 65 (N65) are described. After molding and sintering in a protective medium, cold rolling with intermediate annealings, and trimming of edges, one obtains the tape N50 with cross section 0.005 x 10.0 mm with density 8.2 g/cm<sup>3</sup>. Graphs are given, showing the dependence of the magnetic properties  $\mu_{max}$ ,  $H_0$  (after vacuum annealing and thermomagnetic treatment) on the tape thickness within the limits 0.005 - 0.05 mm, and also graphs of electric resistivity and density vs tape thickness after molding, sintering, and degree of deformation under further rolling. The electric resistivity falls off regularly with increas-

Card 1/2

X

Rolling of nickel-iron powders into tape

28545 S/137/61/000/009/013/087  
A060/A101

ed reduction on account of the increase in density and reaches considerably lower values than in cast alloys, due to the greater purity of the powders used for rolling.

V. Mezis

[Abstracter's note: Complete translation]

Card 2/2

БЯКУЛИН, Ф.

*Planting*

Kok-saghis in the Soviet Ukraine. F. BAKULIN  
(Australasian J. of Pharmacy, 1916, Aug. 30).  
The development of kok-saghis cultivation in the  
Ukraine since 1907 is described. In the Sumy  
Region in 1915 yields as high as 13.2 tons of roots  
and 120 kg. of seed per hectare were obtained.  
Machines for the collecting of seed and for sowing  
in bunches have been developed and a new method  
of planting root cuttings is being tried. Rubber  
yield is being increased by selection of high yielding  
plants. 1229.2

1911

BAKULIN, P.

Creative approach. Mast. ugl. 9 no. 12:10 D '60.  
(Tula Basin--Coal mines and mining)

(MIRA 13:12)

VLADIMIROV, Nikolay Petrovich; SRCHPETOV, Ivan Aleksyeyevich;  
BELOGLAZOV, Vasily Ivanovich; PUSHKAREV, Leonid Vasil'yevich;  
ZERNOV, S.A., inzh., retsenzent; AGAPOV, A.D., kapitan,  
retsenzent; PYATLIN, A.A., kapitan, retsenzent; BAKULIN, P.F.,  
kapitan, retsenzent; MOSKVIN, S.V., kapitan-nastavnik,  
retsenzent; POROCHKIN, Ye.M., red.; MAKRUISHINA, A.N., red.

[Special sailing directions for the Volga-Kama and Don River  
basins; Moscow Canal, Volga River from the Ivankovo Hydraulic  
Development Complex to Bertyul', Kama River from the city of  
Perm to its estuary, Volga-Don Canal, TSimlyansk Reservoir, and  
the Don River from the TSimlyansk Reservoir to the city of  
Rostov] Spetslotsiia Volzhsko-Kamskogo i Donskogo basseinov; ka-  
nal im. Moskvyy, r. Volga ot Ivan'kovskogo gidrouzlia do nas.  
p. Bertyul', r. Kama ot g. Perm' do ust'ia, Volgo-Donskoi kanal  
im. V.I.Lenina, TSimlianskoe vodokhranilishche i r. Don ot  
TSimlianskogo vodokhranilishcha do g.Rostov. Moskva, Transport,  
1964. 288 p. (MIRA 17:10)

BAKULIN, P. I.

27584. Sluzhba vremeni. fizika v shkole, 1949, No. 4, s. 6-16.

SO: Letopis' Zhurnal'nykh Statey, Vol. 37, 1949

BAKULIN, P. I.

Bakulin, P. I. - "On certain problems connected with the use of the printing  
chonograph", Soobshch. Gos. Astron. in-ta im. Shternberga, No. 31, 1949, p.  
17-19.

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

BAKULIN, P. I.

16876

USSR/Astronomy - Time Signals

Sep/Oct 50

"Collated Moments of Rhythmical Time Signals for 1947 - 1948," P. I. Bakulin, State Astr Inst imeni Shtenberg

"Astron Zhur" Vol XXVII, No 5, pp 305-314

Includes tables and graphs of time-signal variations versus time (Jan-Dec, 1945 - 1948). Calculation and publication of collated moments in USSR has been done, since 1 Jan 49, by Cen Sci Res Bu, Unified Time Sv. Presents history of work of State Astr Inst imeni Shtenberg on time service for 1947 - 1948.

16876



BAKULIN, P. I.

BAKULIN, P.I., redaktor; DUBROVSKIY, K.K.; MASEVICH, A.G.; PARENAGO, P.P.;  
POPOV, P.I.

[Astronomical calendar. Yearbook. Section on variables. 1954]  
Astronomicheskii kalendar'. Eshegodnik. Peremennaya chast'. 1954.  
Red. kollegiya P.I.Bakulin, K.K.Dubrovskii, A.G.Masevich, P.P.Parenago, P.I.Popov. Moskva, Gos. izd-vo tekhniko-teoreticheskoi lit-ry, 1953. 207 p. (MLRA 7:7)  
(Astronomy—Yearbooks)

BAKULIN, P.I.

Determining precession from proper motions of stars of plane  
subsystems. Astron. tsir. no. 139:6-7 Je '53. (MLRA 7:1)

1. Gosudarstvennyy astronomicheskiy institut imeni Shternberga.  
(Precession) (Stars--Proper motion)

KUZMIN, B.S.; BAKULIN, P.I., redaktor; SAMSONENKO, L.V., redaktor;  
MURASHOVA, N.Ya., tekhnicheskii redaktor

[Principles of the astronomical method of measuring time] Osnovy  
astronomicheskogo metoda izmereniya vremeni. Pod red. P.I. Bakulina.  
Moskva, Gos. izd-vo tekhniko-teoret. lit-ry, 1954. 60 p. (MLRA 7:11)  
(Time measurements)

BAKULIN, P.I., otvetstvennyy redaktor; DUBROVSKIY, K.K.; MASEVICH, A.G.,  
redaktor; PARENAGO, P.P., redaktor; POPOV, P.I., redaktor; BAKHLIN,  
I.Ye., redaktor; AKHLAMOV, S.N., tekhnicheskiy redaktor.

[Astronomical calendar; yearbook. Variable part 1955] Astronomicheskiy kalendar'. Eshegodnik. Peremennaya chast' 1955. Red. kol. P.I. Bakulin, K.K. Dubrovskii i dr. Moskva, Gos. izd-vo tekhniko-teoret. lit-ry, 1954. 231 p. (Vsesoyuznoe astronomo-geodesicheskoe obshchestvo, no.58) [Microfilm] (MLBA 8:1)  
(Ephemerides)

BLAZHKO, S.N., professor; BAKULIN, P.I., redaktor; RAKHLIN, I.Ye,  
redaktor; GAVRILOV, S.S., tekhnicheskiy redaktor

[Course in spherical astronomy] Kurs sfericheskoi astronomii.  
Izd. 2-e. Pri red. uchastii P.I.Bakulina. Moskva, Gos. izd-vo  
tekhniko-teoret. lit-ry, 1954. 332 p. [Microfilm] (MLRA 8:1)

1. Moskovskiy ordena Lenina gosudarstvennyy universitet im.  
M.V.Lomonosova (for Blashko)  
(Astronomy, Spherical and practical)

MIKHAYLOV, Aleksandr Aleksandrovich; BAKULIN, P.I., redaktor; kandidat  
fiziko-matematicheskikh nauk; USPENSKAYA, N.V., redaktor;  
ISLENT'YEVA, P.G., tekhnicheskii redaktor.

[Pulkovo observatory] Pulkovskaya observatoriya. Moskva, Izd-vo  
"Znanie," 1955. 23 p. (Vsesoiuznoe obshchestvo po rasprostraneniyu  
politicheskikh i nauchnykh znaniy. Ser.3, no.41) (MLR8:12)

1. Chlen-korrespondent Akademii nauk SSSR. (for Mikhaylov)  
(Pulkovo Astronomical Observatory)

BAKULIN, P.I., redaktor; DUBROVSKIY, K.K., redaktor; MASEVICH, A.G.,  
redaktor; PARENAGO, P.P., redaktor; RAKHLIN, I.Ye., redaktor;  
AKHLAMOV, S.N., tekhnicheskiy redaktor.

[Astronomical yearbook. Annual. Section on variables for 1956]  
Astronomicheskii Kalendar'. Ezhegodnik. Peremannaia chast' 1956.  
Red.kol: P.I. Bakulin, K.K.Dubrovskii i dr. Moskva, Gos.isd-ve  
tekhnike-teoret.lit-ry, 1955. 247 p. (Vsesdusnoe astronomo-  
godesicheskoe obshchestvo, no.59) (MLRA 9:1)  
(Astronomy--Yearbooks)

BAKULIN, P.I.

List of position and amended proper motions of 959 stars. Trudy GAISH  
26:167-255 '55. (MIRA 10:3)  
(Stars--Catalogs)



USSR/ Astronomy - Cosmic radiation  
Card 1/1 Pub. 8 - 4/13  
Authors : Bakulin, P. I., and Shklovskiy, I. S.  
Title : Occultation of two discrete sources of radiation by the moon  
Periodical : Astron. zhur. 32/1, 29-32, Jan-Feb 1955  
Abstract : A new method of studying the nature of discrete sources of cosmic radiation is suggested. This method consists in the analysis of observed data on the occultation of such sources by the moon. Data for two powerful discrete sources of cosmic radiation is presented and discussed. One of them is the taurus-A ( $\alpha = 5^h 31^m 34.5^s$ ;  $\delta = 22^\circ 01'$ ) the other is near the  $\eta$  Gemini with the coordinates  $\alpha = 6^h 13^m 37^s$ ;  $\delta = 22^\circ 38'$ . Five references: 3 USSR and 2 USA (1951-1954). Tables.  
Institution : The Shternberg State Astronomical Institute  
Submitted : March 30, 1954

BAKULIN, P.I.

Determining the precession constant from proper motions of stars with  
a flat component. Trudy GAISH 26:124-166 '55. (MIRA 10:3)  
(Stars--Proper motion) (Precession)

BAKULIN, P.I., otvetstvennyy redaktor; DUBROVSKIY, K.K., redaktor  
[deceased]; KULAGIN, S.G., redaktor; MASVICH, A.G., redaktor;  
PARENAGO, P.P., redaktor; RAKHLIN, I.Ye., redaktor; MURASHOVA,  
N.Ya., tekhnicheskii redaktor

[Astronomical calender. Yearbook. Variable section for 1957]  
Astronomicheskii kalendar'. Ezhegodnik. Peremennaya chast' 1957.  
Red. kollegiia P.I.Bakulin i dr. Moskva, Gos. izd-vo tekhniko-  
teoret. lit-ry, 1956. 288 p. (Vsesoiuznoe astronomo-geodesiche-  
skoe obshchestvo. no.60) (MLRA 10:3)  
(Astronomy--Yearbooks)

BAKULIN, P.I.; BLAZHKO, Z.S.

Studying the movement of Kiefler's clock no.323 from 1945 to  
1948. Trudy GAISH 27:157-163 '56. (MIRA 12:1)  
(Astronomical clocks)

~~BAKULIN, P.I.~~ otvetstvennyy red.; KULAGIN, S.G., red.; MASEVICH, A.G., red.  
PARKHAGO, P.P., red.; BAKHLIN, I.Ye., red.; AKHLAMOV, S.N., tekhn.red.

[Astronomical calendar; a yearbook. Variable section, 1958]  
Astronomicheskii kalendar'; Eshegodnik. Peremennaya chast', 1958.  
Red.kollegiia P.I.Bakulin.i dr. Moskva, Gos. izd-vo tekhniko-teoret.  
lit-ry, 1957. 303 p. (Vsesoiuznoe astronomo-geodesicheskoe obshche-  
stvo, no.61) (MIRA 11:2)  
(Astronomy--Yearbooks)

DATA - 4, 11.

KULAGIN, S.G.; KOVBASYUK, L.D.; DAGAYEV, M.M.; ROZENBLYUM, N.D.; YEGORCHENKO, I.P. (Irkutsk); KAVERIN, A.A. (Irkutsk); KONSTANTINOVA, T.G. (Irkutsk); KUKLINA, V.A. (Irkutsk); KUKLIN, G.V. (Irkutsk); SAZONOVA, Z.G., (Irkutsk); CHERNYKH, L.I. (Irkutsk); CHERNYKH, N.S. (Irkutsk); DEMIDOBICH, Ye.G.; BRONSHTEN, V.A.; YAKHONTOVA, N.S. (Leningrad); PEROVA, N.B.; DOKUCHAYEVA, O.D.; KATASEV, L.A.; KLYAKOTKO, M.A.; PARENAGO, P.P.; SHCHERBINA-SAMOYLOVA, I.S.; MASEVICH, A.G.; RYABOV, Yu.A.; SHCHEGLOV, V.P.; PEREL', Yu.G.; MARTYNOV, D.Ye.; FEDYNSKIY, V.V.; VORONTSOV-VEL'YAMINOV, B.A.; ZIGEL', F.Yu.; BAKULIN, P.I., otv.red.; RAKHLIN, I.Ye., red.; AKHLAMOV, S.N., tekh.red.

[Astronomical calendar] Astronomicheskii kalendar'. [A yearbook; variable section for 1959] *Eshchednik. Peremennais chast'*, 1959. Red.kollegiia P.I. Bakulin i dr. Moskva, Gos.isd-vo fizike-matem.lit-ry, 1958. 370 p. (Vsesoiuznoe astronome-geodesicheskoe obshchestvo, no.62) (MIRA 12:2)

1. Gosudarstvennoye astronome-geodesicheskoye obshchestvo (for Kulagin, Kovbasyuk, Demidevich). 2. Moskovskoye otdeleniye Vsesoyuznogo astronome-geodesicheskogo obshchestva (for Dagayev, Rozenblyum, Bronshten, Perova).

(Astronomy--Yearbooks)

KULAGIN, S.G.; KOVBASYUK, L.D.; DAGAYEV, M.M.; LAZAREVSKIY, V.S.; KAYERIN, A.A.; KUKLIN, G.V.; CHERNYKH, N.S.; DEMIDOVICH, Ye.G.; BRONSHTEN, V.A.; YAKHONTOVA, N.S. (Leningrad); PEROVA, N.B.; DOKUCHAYEVA, O.D.; KATASEV, L.A.; MASEVICH, A.G.; SHCHERBINA-SANOYLOVA, I.S.; ARSENI'YEV, V.V.; FRANK-KAMENETSKIY, D.A.; LBYKIN, G.A.; SHCHEGOLOV, P.V.; PEREL', Yu.G.; BAKULIN, P.I., *otv.red.*; MASEVICH, A.G., *red.*; PARENAGO, P.P., *red.*; RAKHLIN, I.Ye., *red.*; AKHLAMOV, S.N., *tekh.red.*

[Astronomical calendar. A yearbook; variable section for 1959]  
Astronomicheskii kalendar'. Ezhegodnik. Peremennaya chast',  
1960. Red.kollegiya P.I.Bakulin i dr. Moskva, Gos.izd-vo fiziko-  
matem.lit-ry, 1959. 351 p. (Vsesoyuznoe astronomo-geodesicheskoe  
obshchestvo, no.63) (MIRA 13:1)

1. Gosudarstvennoye astronomo-geodesicheskoye obshchestvo (GAGO)  
(for Kulagin, Kovbasyuk, Lazarevskiy, Demidovich). 2. Moskovskoye  
otdeleniye Vsesoyuznogo astronomo-geodesicheskogo obshchestva  
(MOVAGO) (for Dagayev, Bronshten, Perova).  
(Astronomy--Yearbooks)

POLAK, Iosif Fedorovich; BAKULIN, P.I., red.; RAKHLIN, I.Ye., red.;  
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TITLE: On some problems in operation of the time service

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TEXT: The authors present data which indicate some lag of the Soviet time services from the best foreign ones. The work of ВНИИФТРИ (VNIIFTRI) on the problem of determination, storing and spreading of time signals is criticized. It is proposed to enlist the services of the Academy of Sciences USSR to the scientific, coordinating and planning guidance of the Soviet time services (instead of the Committee of Standards). /B

A. Ch.

[Abstracter's note: Complete translation]

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