AUTHOR:

Belov, N. A.

SOV/32-24-9-36/53

TITLE:

An Automatic Device for Gas Conveyance in Hand-Operated Gas Analyzers (Avtomaticheskoye ustroystvo dlya perekachivaniya

gaza v gazoanalizatorakh ruchnogo deystviya)

PERIODICAL:

Zavodskaya Laboratoriya, 1958, Vol 24, Nr 9, pp 1:47-1:48 (USSR)

ABSTRACT:

A diagram of the arrangement is given. It can be seen from it that the main parts of the apparatus are a measuring buret (100 ml), surrounded by a water jacket, 2 absorption burets of the types VII, GIAP, and an orsat apparatus (orsa), as well as a "power vessel" (150-180 ml). The vessel is filled with a sealing liquid (saturated sodium sulfate solution), and connected by it with the measuring buret (400-450 ml). The air volume of the "power vessel" is connected with a rubber balloon in a water tank. By means of an elaborate arrangement the rubber balloon is squeezed together by the water pressure, and thus exerts pressure upon the sealing liquid. A detailed description of the operation of the arrangement is given, as well as are equations for the calculation of the results. More than 100 gas analyses for CO<sub>2</sub>, the sum of unsaturated hydrocarbons, oxygen, and carbon monoxide were performed, the apparatus always

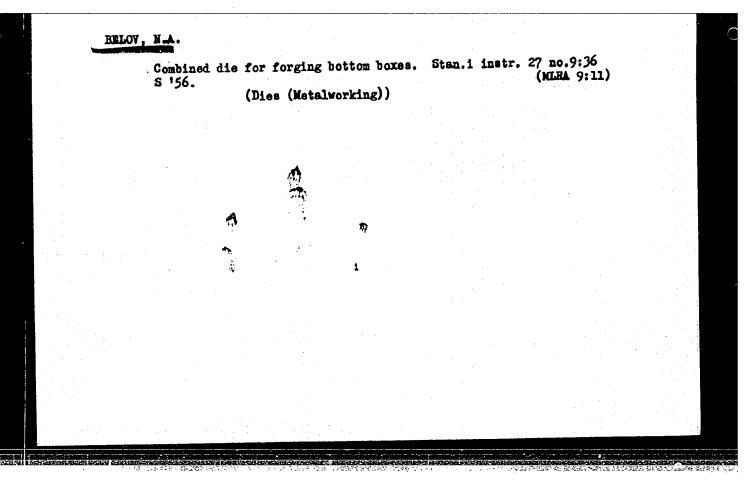
Card 1/2

SOV/32-24-9-36/53
An Automatic Device for Gas Conveyance in Hand-Operated Gas Analyzers

functioning properly. The time required for analysis is stated to be 10-15 minutes.

There is 1 figure.

Card 2/2



ESLOV, N., kand.geograf.nauk, starshiy nauchnyy sotrudnik; VEDERNIKOV, V., kand.geograf.nauk, mladshiy nauchnyy sotrudnik

New data on the drifting of the "North Pole-7" station. Mor.flot 22 no.4:34-35 Ap '62. (MIRA 15:4)

1. Arkticheskiy i Antarkticheskiy nauchno-issledovatel'skiy institut (for Belov).

(Arctic regions-Sea ice)

BELOY	N. A.
USSR/ Geolog	y - Arctic regions
Card 1/1	Pub. 86 - 2/38
Authors	Sake, V. N., Prof.; Belov, N. A.; and Lapina, N. H.
<b>Title</b>	Modern conceptions of the geology of the central Arctics
Periodical	Priroda 44/7, 13 - 22, Jul 1955
Abstract	The formation of the Arctic basin is traced to the Paleozoic era. The subsequent changes in land elevations and shore lines resulting from the folding of the earth's crust are analyzed and explained. The structure of the ocean's bottom in the Artics is discussed. The results of findings as to the material constituting the floor of the ocean are presented along with a discussion of the instruments and methods used in this research. One USSR reference (1954). Illustrations; maps; graph; diagrams.
	ĬĬĬĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸ
TUBATORATOR	大型的一般的表现,这个时间,我们就是一个人的,我们就是一个人的,我们就不会的一个人的,我们就没有一个人的,我们就会不会的。""我们就是一个人的,我们也不是一个人
Submitted	CANAL STATE OF A STAT

BRIOV, H.A.; LAPINA, H.N.

Bottom deposits in the region covered by the "North Pole 2" drifting station. Isv.AN SSSR, Ser.geol. 21 no.7:3-16 J1 '56.

(MERA 9:10)

1. Glavnoye Upravleniye Severnogo morskogo puti, Arkticheskiy nauchno-issledovatel skiy institut, Leningrad. (Arctic-Ocean-Ocean bottom)

Bottom sediments in the central part of the Arctic Ocean.
Trudy nauch.-issl. inst. geol. Arkt. 85:90-116 '58.

(Arctic Ocean-Sediments (Geology))

(Arctic Ocean-Sediments (Geology))

AUTHORS:

Belov, N. A., Lapina, N. N.

SOV:20-122-1-32/44

TITLE:

New Data on the Stratification of the Bottom Sedimentation of the Arctic Ocean Basin (Novyye damnyye o stratifikatsii donnykn otlozneniy arkticheskogo basseyna Severnago hodovitogo okeana)

PERIODOCAL:

Pokiady Akademia nauk (1808, 1958, Vol. 182, Nr. 3, pp. 115-118 (1938)

ABSTRACT:

The stratification of the arctic basin as mentioned in the title was described for the first time by members of the expeditions of the Arkticheskiy nauchno-issledovatel'skiy institut (Scientific Research Institute for the Arctic Region) in the years from 1948 to 1954. N. A. Beiov succeeded, nowever, only in 1955 in taking a 412 cm night column from a depth of 5 044 m for the first time during the mentioned expedition aboard the icebreaker "F. Litke" north of Spitsbergen and Frans. Joseg. Land (Shpitsbergen, Zemlya Frantsa Iosifa) (Fig. 1). The obtained results confirmed the entire scheme of stratification which had been found already in earlier investigations (Refs. 1.5). On the strength of the stratification of the sediments and of the radium content the absolute age may be determined and the correlation can be carried out between these sediments and A. I.

Card 1/5

501/20-122-1-32/44

New Data on the Stratification of the Bottom Sedimentation of the Arctic Ocean Basin

Moskvitinov's and S. A. Yakovlev's schemes for the Quarternary on the continent. They are: 1) Recent deposits from present time until 9 000 - 10 000 years ago. 2) Finiglacial, or the fourth new glaciation in Europe and the Sartanskaya glaciation in Siberia (Sibir'): 9 000 - 10 000 and as far as 16 000 -17 000 years ago. 3) Sediments of the heat period 16 000 -17 000 to 20 000 years old. 4) Deposits from the cold period of the Ostashkovskoye or third new glaciation in Europe and the second stage of the Zyryanskove glaciation in Sibir' are 20 000 to 30 000 - 32 000 years old. 6) The sediments of the next cold period which obviously corresponds to the Kalininskoye or second new glaciation in Europe and the first stage of Zyryanskoye giaciation in Sibir' are 50 000 - 52 000 to 65 000 - 70 000 years old. 7) The sedimentation of the deposits underneath which date from the heat period took place during the boreal encroachment (Mikulinskiy period), e.g. 65 000 - 70 000 to 110 000 years ago. 8) The sediments which are below the mentioned ones were already deposited during the Moskovskoye or first new glaciation in Europe and the Tazovskoye in Fibir!

Cara 2/3:

SOV/20-122-1-32/44

New Data on the Stratification of the Rostom Scaimentation of the Arctic Ocean Basin

between 110 000 and 140 000 - 150 000 years ago. 9) Those strata

were formed during the last heat period of the Middle

Quarternary, 0.5., 150 000 years ago and mariter. The beginning of that period could not be determined. There are 1 figure and

6 references. e at absor are paviet.

ASSOCIATION: Arksienessiy institut, inclitut geologii Arktiki (arctic Insti-

tute. Institute of Arctic Geology)

PRESENTED: Pecratry 3, 1996, by h. h. Straknov, Member, Academy of Sciences,

3

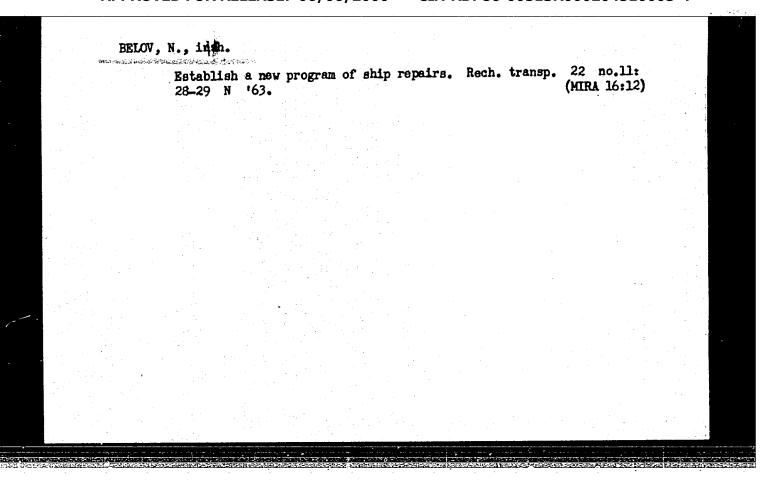
SUBMITTED: April 20, 1958

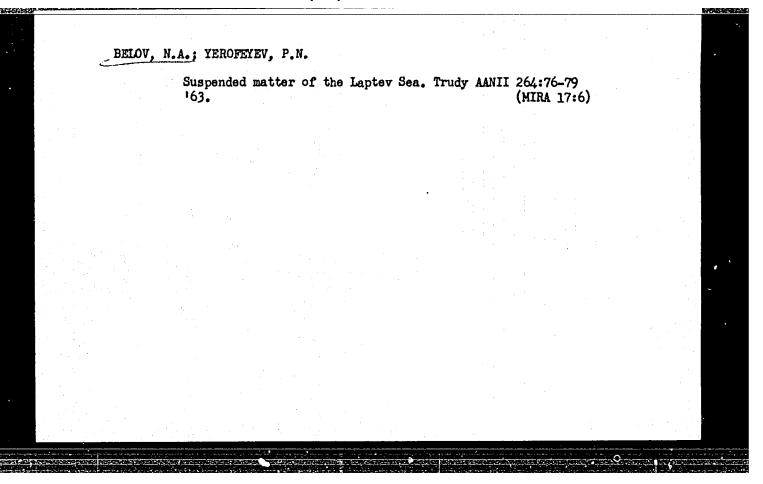
Card 3/3

BELOV, N.A.; LAPINA, N.N.; SAKS, V.N., red.; DROZHZHINA, L.P., tekhn.

[Bottom sediments of the Arctic Sea basin ] Donnye otlozheniia Arkticheskogo basseina. Pod red. V.N.Saksa. Leningrad, Izd-vo "Morskoi transport," 1961. 151 p. (MIRA 15:5)

1. Chlen-korrespondent Akademii nauk SSSR (for Saks).
(Arctic regions-Deep-sea deposits)





# BELOV, N.A.

Practice in the application of the piston ground pipe at the drifting station "North Pole-", " 1958-1959. Trudy AANII 248: (MIRA 17:6)

New types of materials. Put' i put.khoz. 10 no.1:9
\*66. (MIRA 19:1)

1. Starshiy inzh. Vsesoyuznogo nauchno-issledovatel'skogo
instituta transportnogo stroitel'stva.

# ERIYER, V.A., prof.; BELOV, N.E. Modifications in the bone marrow and peripheral blood in Lurns. Probl.gemat.i perel.krovi 1 no.1:23-29 Ja-F 186. (MIRA 14:1) 1. Iz kafedry fakul'tetskoy terapii (nach. - prof. V.A. Beiyar) i kafedry gospital'noy khirurgii (nach. prof. I.S. Kolesnikor) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova. (BURNS AND SCALDS) (BLOOD CKLS)

BELOV, N. A. and BEYER, V. A., Prof.
from the Department of the Faculty of Therapy (Director - Prof. V. A. Beyer) and
the Department of Hospital Surgery (Director - Prof. I. S. Kolesnikov) of the Kirov
Military Medical Academy of the Order of Lenin.

"Changes in Bone Marrow and in Peripheral Blood, in Burns" Park. Huntel. Resol Transfes.,
abstract--B-99405

No:1.1976

BEXER, V. A., Prof. and BLEOV

BELOV, NA.

"Changes in the Internal Organs in Burns," p. 32 Military Medicine 1956

lecture delivered at a conference of Soviet military physicians at the Military Medicical Academy im. S.M. Kirov, Leningrad, 29-October - 2 Nov 56.

USSR/Human and Animal Physiology. Effects of Physical Factors.

Thermal Factor.

Abs Jour: Ref Zhur-Biol., No 12, 1958, 56155.

Author : Beyer, V.A., Belov, N.A.

Inst

Title : Changes of the Bone Marrow and of Peripheral Blood

in Diseases Caused by Eurns.

Orig Pub: Probl. genatol. i perelivaniya krovi, 1956, 1,

No 1, 23-29.

Abstract: No abstract.

Card : 1/1

177

SELOV, N.A. (Leningrad)

SHURYGIN, D.Ya., dotsent; MURCHAKOVA, A.F., kand.biologicheskikh ne-:;

BELOV, N.A. (Leningrad)

Ecsinopenic reaction following stimulation of adrenocortical function; experimental and clinical investigations [with summary in English, p.124] J1-Ag '57. (MIRA 10:12)

in burns, with eosinophil count changes (Rus))

1. Iz kafedry fakul'tetskoy terapii (nach. - prof. V.A.Beyyer)
Voyenno-meditsinskoy ordena Ienina akademii imeni S.M.Kirova.
(BURNS, physiology,
eosinophil count & urinary 17-ketosteroids (Rus))
(BOSINOPHIL COUNT, in various diseases,
burns, with urinary 17-ketosteroids changes (Rus))
(17-KETOSTEROIDS, in urine,

BELOV, N.A. mayor meditsinskoy sluzhby; BELYAYEV, V.Ye., podpolkovník meditsinskoy sluzhby

Functional changes in the internal organs in burns. Voen-med.zhur.
no.8:11-15 Ag 157.
(BURNS, physiology,
internal organs (Rus))

### BELOV, N.A.

Thrombocytomietic changes in burns. Probl. gemat. 1 perel. krovi 4 no.5:50-51 My '59. (MIRA 12:7)

1. Iz kafedry fakulitetskoy terapii (nahc. - prof. V.A. Beyer) i kafedry gospitalinoy khirurgii (nach. - prof. I.S. Kolesnikov)
Voyenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova.

(BURNS, blood in,

platelet count (Rus))

(BLOOD PLATELETS,

count in burns (Rus))

Hypochromic anemia following burns. Voen.med.zhur. no.5:59-64
My '59.

(BURNS, compl.
hypochromic anemia (Aus))
(ANMMIA, IRON DEFICIENCY, etiol. & pathogen.
burns (Rus))

KOROVKIN, B.F., kand.med.nauk, podpolkovnik meditsinskoy sluzhby; BELOV, N.A., kand. med. nauk, podpolkovnik medsinskoy sluzhby; KANTOROVICH, A.S.

Diagnostic value of transaminase and aldolase in the blood serum in acute coronary, insufficiency. Voen.-med. zhur. no.5:30-33 My '60, (MIRA 13:7)

(CORONARY VESSEIS—DISEASES)

(ALDOLASE)

(TRANSAMINASE)

KOROVKIN, B.F.; BELOV, N.A.; KANTOROVICH, A.S.

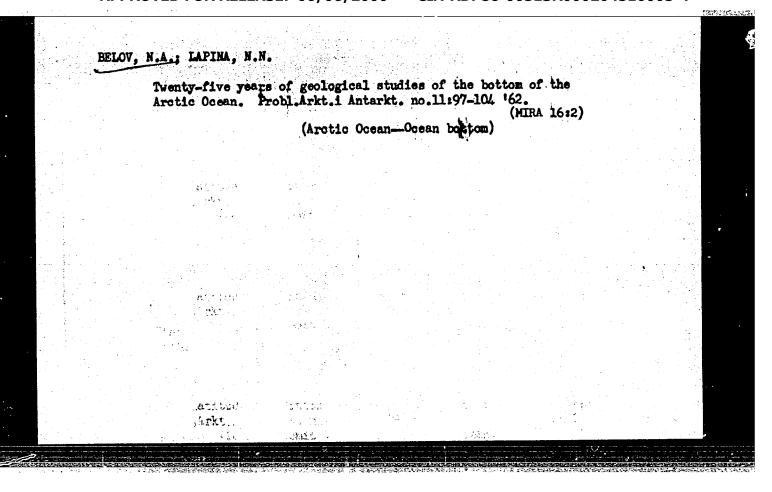
Problem of early diagnosis in acute myocardial infarct. Lab.delo 6 no.1:3-7 Ja-Fe 60. (MIRA 13:4)

1. Iz Leningradskogo okruzhnogo voyennogo gospitalya (nachal'nik N.S. Sokolov). (HRART--INFARCTION) (ENZYMES)

"Myocardial Infarct in Young Persons as a Result of Acute Physical Overexertion" p. 39								
P. 37		en e						
Voyen	no Meditsinsk	dy Zhurnal, No.	10, 1962					
						1.5		
						* .		
•								
						•		
					·.			
						i e e e e e e e e		
						1		
	100					-		
						and the second s		

SHILOV, Pavel Ivanovich, prof.; PILYUSHIN, Petr Viktorovich, kand. med. nauk; Prinimal uchastiye BELOV, N.A., kand. med. nauk; KOMAROV, F.I., red.; KHARASH, G.A., tekhn. red.

[Internal pathology in burns (thermal)] Vnutrenniaia patologia pri ozhogakh (termicheskikh). Leningrad, Medgiz, 1962. 294 p. (MIRA 15:5)



BELOV, N.A., kand. med. nauk (Leningrad); GIKALOV, G.S. (Leningrad);
KAZAKOV, N.F. (Leningrad)

Changes in the blood system in Botkin's disease and treatment with steroid hormones. Sov. Med. 26 no.9:48-52 S '62.

(MIRA 17:4)

BELOV, N.A., kand.med.nauk; ROMANOV, V.K. (Leningrad).

Unique beginning of acute leukemia. Vrach. delo no.11:120-121 Nº63 (MIRA 16:12)

BEZRUKOV, A.M.; BELOV, N.A.; BARSUKOV, M.M., inzh.

Method for restoring the strength of dowels. Put' i put. khoz. 7 no.11:18 '63. (MIRA 16:12)

1. Nachal'nik Kazatinskoy distantsii puti Yugo-Zapadnoy dorogi (for Bezrukov). 2. Starshiy inzh. Vsesoyuznogo nauchno-issle-dovatel'skogo instituta zheleznodorozhnogo transporta Ministerstva putey soobshcheniya (for Belov). 3. Kazatinskaya distantsiya puti Yugo-Zapadnoy dorogi (for Barsukov).

BOIGHMAN-STARYNKEVICH, Irina Dmitriyevna; BELOV, H.B., akademik, otv. red.

[Handbook for the calculation of mineral formulas] Rukovodstvo po raschetu formul mineralov. Mockva, Izd-vo Nauka, 1964. 222 p.

(MIRA 17:8)

BELOV, N.D.; RAKHLIN, I.Ye.; ALESHIN, L.I.; SEREGIN, I.I.; POGODIN, A.I.; PONTYAR, A.A.; PETRUKHOV, P.I., red.

[Georgievskaya Highwar Aith track navement made of reinforced concrete slabs in the Belozersk logging Enterprise of Vologda Province] Georgievskaia avtomobil naia doroga s koleinym pokrytiem iz zhelezobetonnykh plit v Belozerskom lespromkhoze Vologodskoi oblasti. Vologda, Severo-Zapadnoe knizhnoe izd-vo, 1964. 36 p. (MIRA 18:5)

1. Nauchno-tekhnicheskoye obshchestvo lesnoy promyshlennosti i lesnogo khozvaystva. Vologodskoye oblastnoye pravleniye.

2. Belozerskoye lesopromyshlennoye khozvaystvo (fo: Pessiin. Pontyar, Petrukhov).

Translation from: Referativnyy zhurnal. Metallurgiya, 1959, Nr 1, p 166 (USSR)

AUTHOR: Belov, N. F.

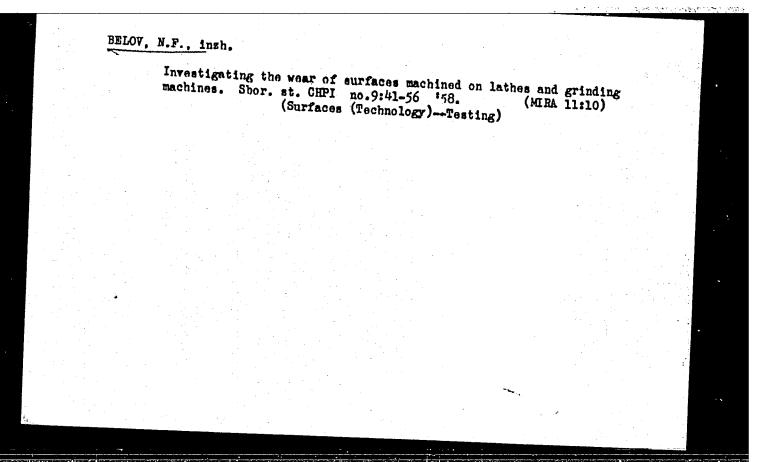
TITLE: Investigation of the Machinability of 45-R and 45G2 Steels (Issledovaniye obrabatyvayemosti staley marok 45 R i 45G2)

PERIODICAL: Tekhn-ekon. byul. Sov. nar. kh-va Chelyab. ekon. adm. r-na, 1958, Nr 3, pp 20-22

ABSTRACT: A concise communication on a comparative investigation of the machinability of 45-R and 45G2 steels. It is established that additions of B improve the machinability (relative to cutting operations), the hardenability, and the fatigue strength of these steels. The cutting speed permissible with 45G2 steel is 40% greater than that afforded by 45-R steel.

T.F.

Card 1/1



11100

2

S/121/61/000/006/008/012 D040/D112

AUTHORS:

Proskuryakov, Yu.G., Belov, N.F., and Petrov, V.N.

TITLE:

Cooling cutting tools by atomized cutting fluid

PERIODICAL: Stanki i instrument, no.6, 1961, 25-29

TEXT: The authors give the results of experiments with atomized cutting fluid in boring, thread-cutting, planing and milling, carried out at the cutting laboratory of the Chelyabinskiy politekhnicheskiy institut (Chelyabinsk Polytechnic Institute). The effect of the volume and chemical composition of the atomized fluid, the method of feeding the fluid to the cutting zone, nozzle shape and air pressure was studied. The experimental machine (Fig. 1) made possible different combinations of fluid components, fluid quantity and air pressure. Wear of carbide-tipped cutters was measured by the wear on the main rear tool flank with the use of an MNP-1 (MIR-1) microscope, and wear of high-speed steel cutters by the depth of the pit forming on the cutter face. A different experimental unit was employed for milling cutters (Fig. 8). The conclusion was made that the wear-preventing effect of atomized cutting fluid is higher than that of cutting fluid is higher quantity of cutting fluid

Card 1/6

Cooling cutting tools by atomized cutting fluid

S/121/61/000/006/008/012 D040/D112

(emulsion and "sulfofrezol" were used) had a positive effect, but 400-600 g/hr of 5% emulsion or 200 g/hr of 'sulfofrezol" caused thick fog in the shop. Increased air pressure also improved the effect. The Chelyabinsk Polytechnic conjunction with the ChTZ, developed new atomizer designs - the \\( \text{TIN} -6 \) (ChPI-6) and 4NN-7 (ChPI-7) (Fig. 12) and at the same time a theoretically-based calculation method for atomizers. In the ChPI-7 (Fig. 12), air from the main air pipe of the plant flows through the cock (4) and nipple (5) into the atomizer head (2) where the stream splits and some of the air flows through the duct (7) into the container (1) and exerts pressure on the surface of the fluid in it. difference causes the fluid to move through the pipe (6) into the head (2). rest of the air flows straight through the injector where it is atomized and fed through the nipple (8) and a flexible hose to the tool edge. by the needle valve (3). The fundamental data for calculation are: the velocity The flow is adjusted  $(U_2)$  and air flow per second  $(Q_{air})$  needed for the tool cooling; fluid flow per second  $(Q_{fl})$ ; compressed air pressure (P) applied to the atomizer; the lengths of separate sections of the atomizer and the pipes. The formula for the diameter

Card 2/6 
$$\frac{d^4}{(G + \infty)} = -\frac{16Q_{fl}}{\pi^2 g} \frac{\Delta Q_{fl}}{\Delta H_{max}} , \qquad (1)$$

S/121/61/000/006/008/012 D040/D112

Cooling cutting tools by atomized cutting fluid

where  $\Delta Q_{fl}$  is the permissible reduction of the fluid flow;  $\Delta H_{max}$  - the maximum distance from the injector axis to the fluid level; g - the gravity acceleration; G - the resistance factor of the intake pipe;  $\ll$  - the kinetic energy factor (at laminar flow  $\ll_{lam}=2$ , at turbulent flow  $\ll_{t}=1.06\div1.12$ ). The nozzle outlet diameter (d<sub>2</sub>) is determined by  $Q_{air}$  and  $U_{2}$  of the air jet by the equation

$$d_2 = 2 \qquad \sqrt{\frac{Q_{air}}{\mathcal{J}'U_2}} \qquad (2)$$

The velocity is found by the Bernoulli equation. The calculation results prove that the main factor ensuring dependable operation (stable fluid flow) is the presence of a constant positive difference between pressure in the fluid container and in the narrow section of the double-cone pipe. The formula for this difference is:

$$\Delta P_{\min} = \beta H \left( 1 - \frac{1}{2} \cdot \frac{\frac{\Delta H_{\max}}{H}}{\frac{\Delta Q_{f1}}{Q_{f1}}} \right)$$
(4)

Card 3/6

Cooling cutting tools by atomized cutting fluid

S/121/61/000/006/008/012 D040/D112

where is the specific weight of fluid and H - the distance between the axis of the double-cone pipe and the fluid level. The formula determining the initial cross-section area as well as the diameter of the double-cone pipe (assuming a

 $d_1 = d_2 \left(\frac{P_2}{P_1}\right) \frac{1}{2k} \sqrt{\frac{U_2}{U_1}},$ where k is the adiabatic curve factor and  $\delta_1$ ,  $\delta_2$ , are the volumetric weights of the air in the initial cross-section of the two-cone pipe at entry and exit from the regular respectively. The dimensions of the narrow section of the double-cone pipe are determined in accordance with the pressure gradient needed for moving the fluid from the container into the main pipe, using the Bermulli equation. Calculation confirmed that the fundamental parameters of the ChPI-6 atomizer were selected correctly, but it still needs some debugging. An improved modification, the ChPI-7 has been produced. Its technical data are: working air pressure 2-5 at; air consumption (at 3 gauge atmospheres) 4 m3/hr; cutting fluid consumption 50 -900 g/hr. After the atomizers had been in use for 1 year, it was established that the wear resistance of boring tools tipped with T15K5 (T15K6) alloy increased 1.5

Cooling cutting tools by atomized cutting fluid

S/121/61/000/006/008/012 D040/D112

to 2 times and cutting efficiency 50%. Surface finish improved by approximately one [OCT 2789-59 (GOST 2789-59) class. There are 12 figures.

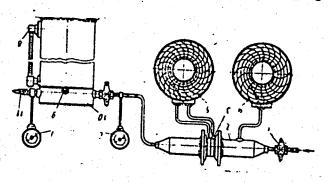
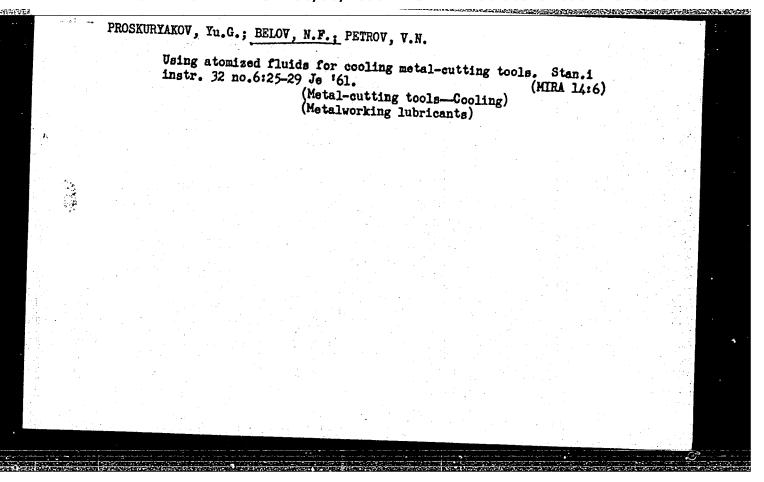


Fig. 7: The experimental atomizer unit.

Card 5%



- 1. BELOV, N. I.
- 2. USSR (600)
- 4. Coal-Mining Machinery
- 7. Experience in working thin seams with combines model UKM-1. Ugol' 27, no. 11, 1952.

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

BYCHKOV, B.M., inzhener; BELOV, N.I., inzhener.

The ShBM-lu combine in the mines of the Donets basin. Mekh.trud.rab. 7 (MLEA 6:6) (Mining machinery)

# HELOV, N.I.

Provide new machinery more rapidly for Donets Basin mines. Mekh. trud. rab. 9 no.10:8 0 155. (MLRA 9:1)

1.Zamestitel' nachal'nika Tekhnicheskogo upravleniya Ministerstva ugol'noy promyshlennosti USSR.

(Donets Basin--Coal mining machinery)

GUREVICH, G.P., kand.biologicheskikh nauk; BELOV, N.M., nauchnyy sotrudnik

Enriching milk in iodine by feeding algae and fish meal to cows.

Veterinariia 38 no.1:71-72 Ja '61. (MIRA 15:4)

1. Primorskaya opytnaya sel'skokhozyaystvennaya stantsiya.

(Milk-Composition) (Algae as food)

(Fish meal) (Iodine)

HELOV, N. M.

5678. BELOV, N. M. Semenovodstvo Ovoshchnykh Kul'tur i Kormovykh Korneplopv.
Petrozavodsk, Gosizat Krssr, 1954, 368 s III. 20sm. 20,000 Ekz 35k (55-1018) p.
635/633.4): 631.52 (47.20)

SO: Knizhanaya, Letopis, Vol. 1, 1955

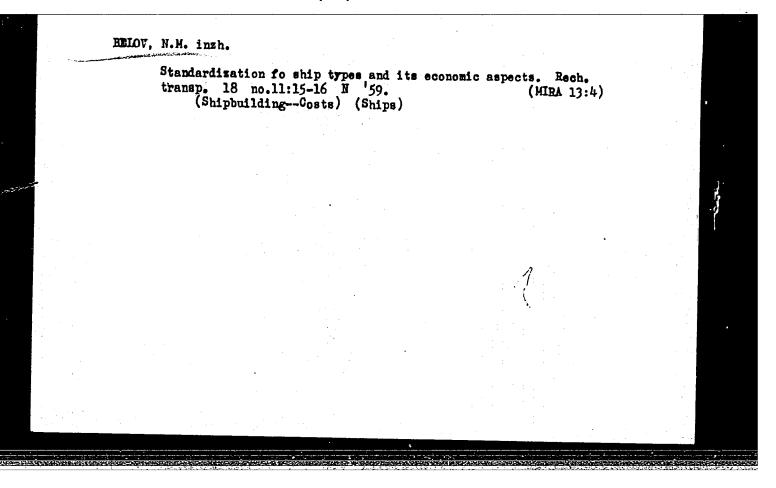
,	0 1.75. 50.17. 39. 771	
	) and the second of the second	
		*
	land all all all all all all all all all al	FORT IN THE PARTY OF THE PARTY
	September 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	The state of the s	
	The second state of the second	THOU CHARLES AND THE THE
	The state of the s	And de
	The state of the s	10 10 10 10 10 10 10 10 10 10 10 10 10 1
	Christian Control of the control of	
	All of the state o	20
	March 12, 12, 12, 12, 13, 14, 15, 15, 15, 15, 15, 15, 15, 15, 15, 15	THE STREET STREET
		के किस मिन्यों रेडिंग विश्व किस के किस क विश्व में किस के कि
	The control of the co	
	The state of the s	
	Series of the se	
	The state of the s	
		The state of the s
	Sandari Inc 1923-1915; his Spirit Spiritistion Sandaritative, 1959, r. 12, pp 7-15 (1938) The neman was obsailed by the Endowley development of the Endowley development of the Endowley development was not the Endowley development and its series with priboto (The Confiltence of Correllies to the Endowley development and its and 18 reports were in injurity we had to special and the Endowley development and the Endowley development of the Endowley development of the Problems and a report were not the Problems and a report of the Problems and the Complement and a report of the Problems and the Complement and a report of the Problems and the Complement and a report of the Problems and the Complement and a report of the Problems and the Complement and a report of the Problems and the Complement and a report of the Problems and the Complement and a report of the Problems and report of the Problems and	ស៊ី . ជ . ស្រី ដែល មួយ ជា ៤ ជី ស៊ី ស៊ី ស្រី ស្រី ស្រី ស្រី ស្រី ស្រី ស្រី ស្រ
	Geniar The Merric Chief has proventive to continue of the contact was organized by the University of the Contact of the Contact of Contact organization and Contact organization and Contact organization and contact organizations and plants were precisive to the industry tenderson, interest organizations and plants were precisive to the industry tenderson, interest organizations and plants were precisive to the industry tenderson, interest organizations and plants were precisive to the industry tenderson, interest organizations and plants were precisive to the industry tenderson, or the contact organization and the long malifaction of the plants and the normalization, in which it was contioned that the contact organization of the plants and the normalization are calculation expected or publication the policies of the policies of the policies or all calculation examples and data facility factor of contact organization or the calculation way. And offer ability of actualization are calculation way, and contact organization of the plants and the normalization of the contact of the contact organization or the calculation of the contact of the	dutors, pre-parts for drilling, shifts and other equipment in being for drilling, shifts and other equipment in being controlling, shifts and other equipment in being controlling, shifts and other equipment in being controlling in the sail town by the following the property of the profession and produced by navel the normal newton profession of the burde part interpretation of the part of the part interpretation of the part of the part interpretation of the part o
		THE STATE OF THE S
	ABOTHACT, ABOTHACT, ABOTHACT, ABOTHACT, AND	<u>.</u>
	FERTODICA ABGTRACE; and 1/1a and 8/14 Januar	
	11 12 12 12 12 12 12 12 12 12 12 12 12 1	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
		Ö
	The state of the s	
		the state of the first of the state of the s
•	The Committee of the Co	1975年,1976年1月1日 1月1日 1月1日 1月1日 1月1日 1月1日 1月1日 1月1日

GUSEV, Mikhail Nikolayevich, prepodavatel; ZILIST, Petr Sigismundovich, prepodavatel; LEV, Yevgeniy Semenovich, prepodavatel; LOPYREV, Nikolay Kirillovich, prepodavatel; MARIJENSKIY, Vladimir Prokop'yevich, prepodavatel; NEMKOV, Petr Petrovich, prepodavatel; NIKITIN, Gennadiy Mikhaylovich, prepodavatel; SHKIUCHENKO, V.M., dotsent, kand.tekhn.nauk, retsenzent; BELOV, N.M., insh., retsenzent; GOLOVANOV, N.V., red.; VOLCHOK, K.M., tekhn.red.

[Technology of marine engineering and ship repairs] Tekhnologiia sudovogo mashinostroeniia i sudoremonta. Pod obshchei red. M.N. Guseva. Leningrad, Izd-vo "Rechnoi transport," Leningr.otd-nie. Pt.2. [Technology of ship repairs] Tekhnologiia sudoremonta. 1960. 470 p. (MIRA 13:4)

1. Kafedra tekhnologii sudostroyeniya i sudoremonta Leningradskogo instituta vodnogo transporta (for Gusev, Zilist, Lev, Lopyrev, Mardenskiy, Nemkov, Nikitin).

(Ships--Maintenance and repair)



L 1/1240-66

ACC NR: AP6012152

SOURCE CODE: UR/0413/66/000/007/0070/0070

INVENTOR: Belov, N. M.; Bulanov, N. V.; Mukin, V. V.

40

ORG: none

TITLE: Device for measuring temperature differences. Class 42, No. 180381 [announced by the Scientific Research Institute of Atomic Reactors (Nauchnoissledovatel' skiy institut atomnykh reaktorov)

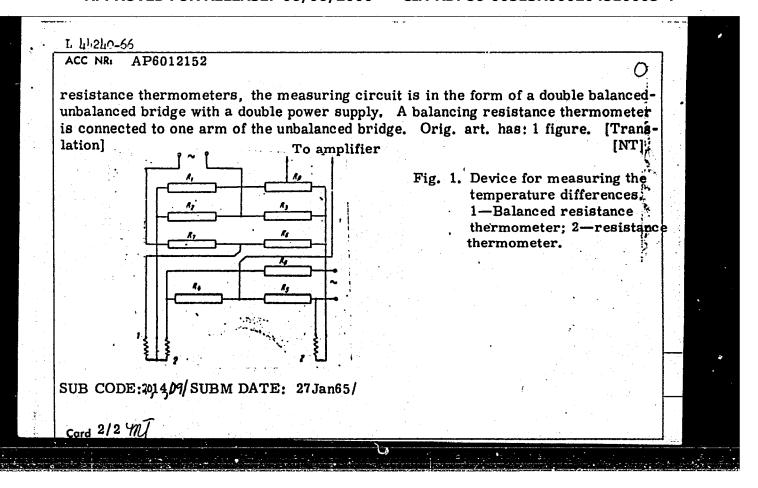
SOURCE: Izobreteniya, promyshlennyye obraztsy, fovarnyye znaki, no. 7, 1966, 70

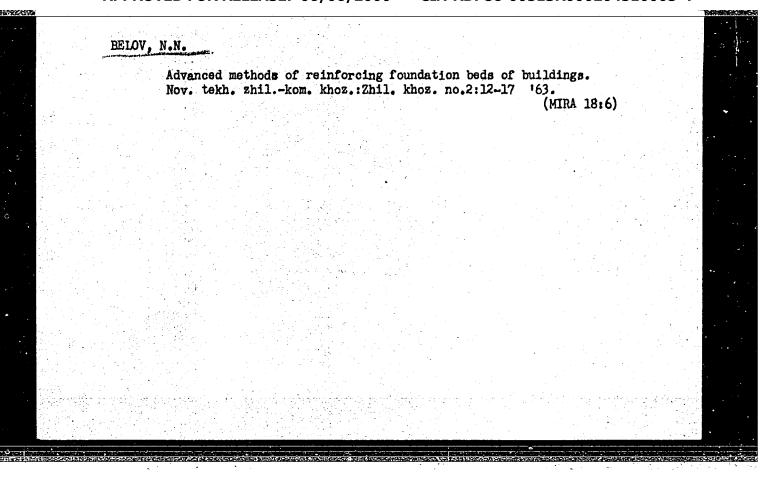
TOPIC TAGS: temperature instrument, temperature measurement, resistance thermometer, electronic amplifier

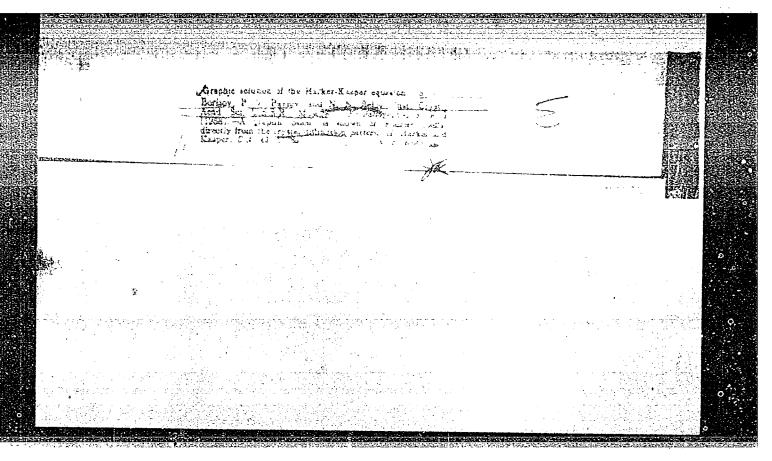
ABSTRACT: An Author Certificate has been issued describing a device for measuring temperature differences (see Fig. 1). The device contains a bridge measuring circuit with two platinum resistance thermometers connected to the input of an electronic amplifier, on the output of which a reversible motor is attached. To compensate for the errors originating as a consequence of the nonlinear characteristics of the platinum

Card 1/2

UDC: 536, 531, 083, 4







BELOV, N.N.; BOL'SHAM, Ya.M°; GOEDEYEV, A.N.; GRACHEV, V.A.; YERMILOV, A.A.; ZALESSKIY, A.M.; KIZEVETTER, Ye.N.; KHORRING, G.M.; KOHSTAHTINOV, B.A.; KOPYTOV, N.V.; LHVIT, G.O.; MILLER, G.P.; HAYFEL'D, M.P.; PRINTSHV, A.A.; SERBINOVSKIY, G.V.; SOKOLOV, B.A.; STASILOYTS, A.B.; TAYTS, A.A.; KHRAMUSHIN, A.M.

Mikhail Konstantinovich Kharchev; obituary. Belov and others. Prom. energ. 12 no.12:33 D '57. (MIRA 10:12) (Kharchev, Mikhail Konstantinovich, 1896-1957)

BELOV, N.N.

Using electric sill diffication for atrengthening fine send. Sbor. nauch. rab. AKKH no.16:29-41 452.

Raising the supporting power and stability of foundation bads in buildings by means of soil stabilization. Thid. 642-52 (MIRA 17:8)

EUROV, G.G., insh.; BELOV, M.P., insh.

Results of industrial tests of the new OME machinery unit in mines the Tula Economic Council. Ugol' 35 no.8:12-15 Ag '60. (MIRA 13:9)

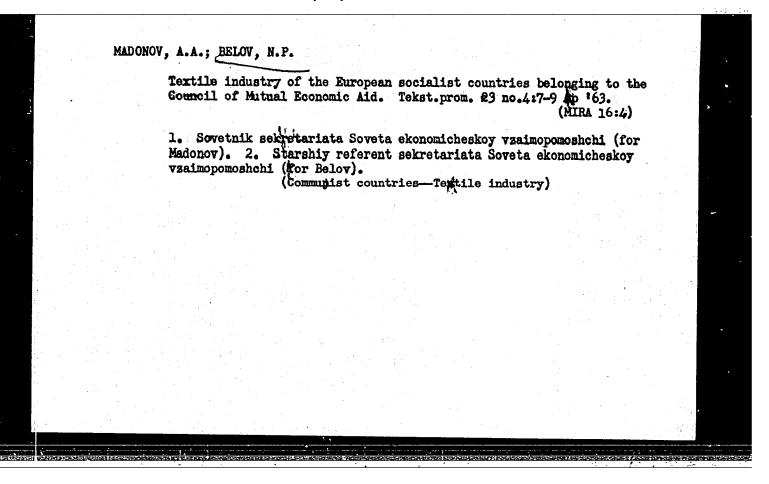
1. Mosbassgiprogormash.

(Tula Basin--Coal mining machinery)

BOEKOV, Vasiliy Ivanovich; POCHUYEV, Yuriy Grigor'yevich; BURGY,
Georgiy Georgiyevich; BELOV, Mikolay Pavlovich; MOSEV,
Yuriy Pavlovich; SEROV, Vyacheslav Alekseyevich;
BARANOVSKIY, F.I., otv. red.; KOVAL', I.V., red. isd-we;
IL'INSKAYA, G.M., tekhn. red.

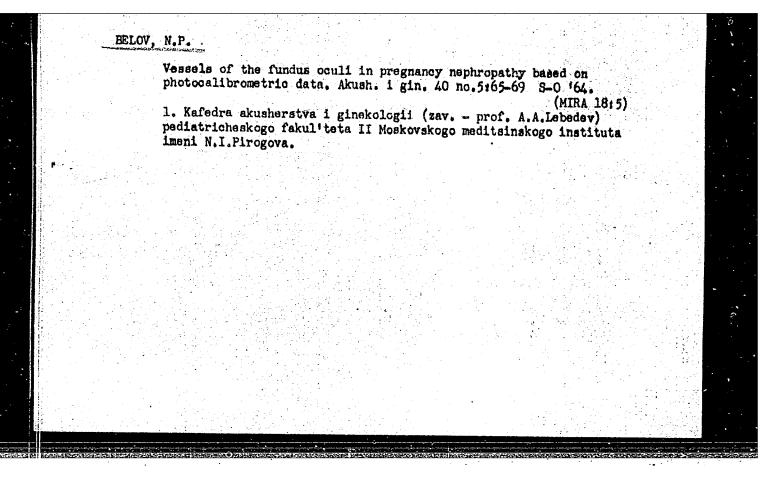
[OMKT mechanised stoping unit] Ochistnoi mekhanisirovannyi
kompleks OMKT; rukovodstvo po ekspluatatsii i remontu. Moskva, Gosgortekhizdat, 1963. 242 p. (MIRA 16:8)

(Stoping (Mining))—Equipment and supplies)



BELOV, N.P.; LEVINA, V.I.; ZHUKOVA, R.A.; ROYZIN, M.B.; PEREVERZEV,
V.N.; MANAKOV, K.N.; BARANOVSKATA, A.V., kand. geol.-miner.,
red.; ZAMOTKIN, N.Z., red.; CHERWATTY, P.P., tekhn. red.

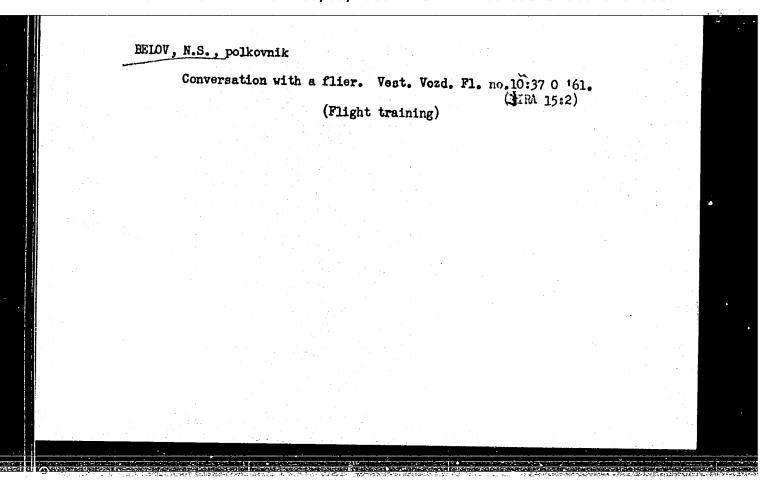
[Soils of Murmansko oblasti i povyshenie ikh
plodorodiia. [By] N.P.Belov i dr. Kirovek, 1zd-vo
"Kirovskii rabochii," 1963. 117 p. (MIRA 17:3)



EELOV, N.S.; BIRYUKOV, I.V.; VERBLYUDOV, N.N.; GORBUNOVA, M.N.; YESIPOVA, M.M.;
IL'ICHEV, A.I.; IGNAT'YEVA, N.Ya.; KOVACHEVICH, P.M.; LYTKIN, A.M.;
LOSKUTOV, V.G.; MAZYUKOV, A.S.; MIROSHNICHENKO, N.Ya.; NEFEDOV, A.Ya.;
OSIPOV, K.V.; OSIPOV, P.M.; PETROV, N.G.; PETRACHKOV, M.I.;
PINEVICH, K.M.; POPOV, B.E.; POTAPOV, P.V.; PREDEIN, F.Ye.; PUKHOV, A.F.;
CHUSOVITINA, Ye.I.; ANGEL'SKIY, N., tekhn.red.

[The Kuznetsk Basin in the sixth five-year plan] Kuzbass v shestoi piatiletke. [Kemerovo] Kemerovskoe knizhnoe izd-vo, 1956. 125 p.
(MIRA 10:12)

(Kuznetsk Basin)



EWT(1)/BDS APPTC/ASD/SSD ACCESSION NR: AP3004903 B/0120/63/000/004/0118/0119 AUTHOR: Belov, N. S.; Bromshteyn, A. M.; Ozerov, E. N.; Rafal'son, A. TIPLE: Electron multiplier with magnetic focusing for a rapid-action mass spectrometer with time-of-flight ion separation SOURCE: Pribory\* 1 tekhnika eksperimenta, no. 4, 1963, 118-119 TOPIC TAGS: electron multiplier, mass spectrometer, magnetic focusing, timeof-flight separation, rapid-action mass spectrometer, ion separation ABSTRACT: An electron multiplier for use in registering small pulsed currents of a rapid-action time-of-flight mass spectrometer is described. The multiplier uses crossed electric and magnetic fields to focus secondary electrons from dynode to dynode (see Fig. 1 of Enclosure). A photograph of the device is shown in Fig. 2. The potential difference between stages of the multiplier is 260 v; and field strength is 4350 v/cm. Uniform electric field distribution is achieved by positioning the dynodes in 0.6-mm steps. A magnetic field of 110 ce is produced by a permanent magnet. Two models with 15 and 19 stages, respectively, were studied. Ion current was produced by a rapid-action mass spectrometer with an ion source capable of pulsed and constant-current operation. The mean emplification factor, Card 1/42

voltage was a linear func pliers using gas and hydr periodic exposure to the the amplification factor.	of input and output current rational 4 x 10° for the 19-stage multiplied of gas pressure. Daily operation of gas pressure the periodic 1 atmosphere did not lead to any a Disassembly, cleaning, and respectively accomplished the properties were easily accomplished.	tiplier. Output pulse eration of the multi- neating to 150—2000 and substantial change in
가지는 하나를 하다 하는 사이지를 기뻐했다.	[2] 자리 남아국에 의한국 이불 원리 보고 한경 (B. S.	
Instrument Construction,		
Instrument Construction,	cheskogo priborostroyeniya AN SS AN SSSR) DATE ACQ: 25aug63	SR (SKB of Analytical ENCL: 02
ASSOCIATION: SKB Analiti Instrument Construction, SUBMITTED: 03Sep62 SUB CODE: PH, SD	AN SSSR)	
SUBMITTED: 03Sep62	AN SSSR)  DATE ACQ: 28aug63	Encl: 02

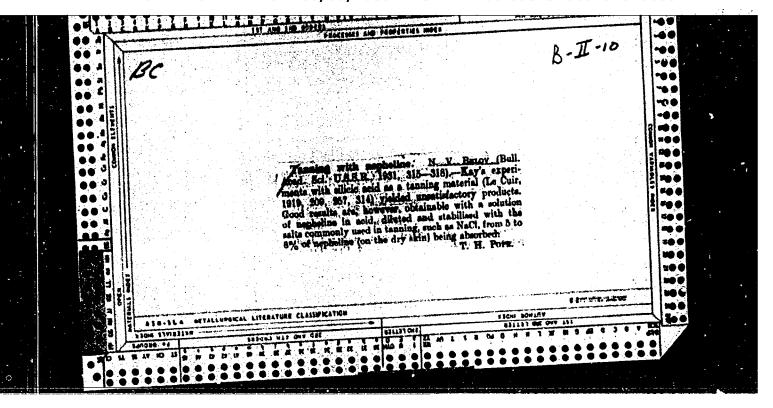
BELOV, N.S.; BRONSHTEYN, A.M.; OZEROV, L.N.; RAFAL'SON, A.E.

Electron multiplier tube with magnetic focusing for a highspeed mass spectrometer with separation of ions in flight.
Prib. i tekh. eksp. 8 no.4:118-119 Jl-Ag '63. (MIRA 16:12)

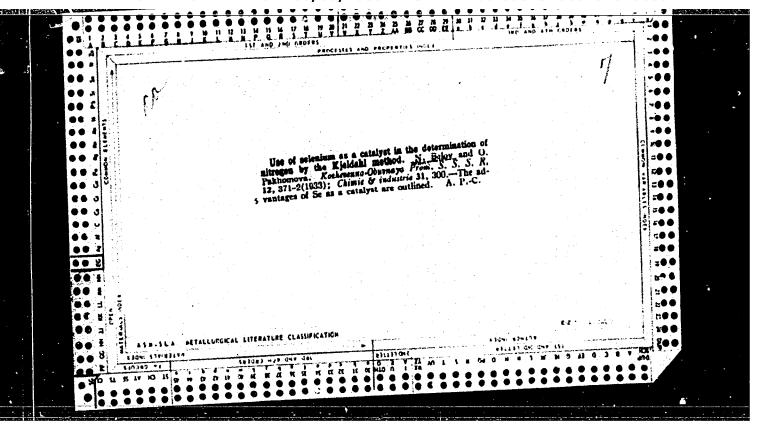
1. Spetsial'noye konstruktorskoye byuro analiticheskogo
priborostroyeniya AN SSSR.

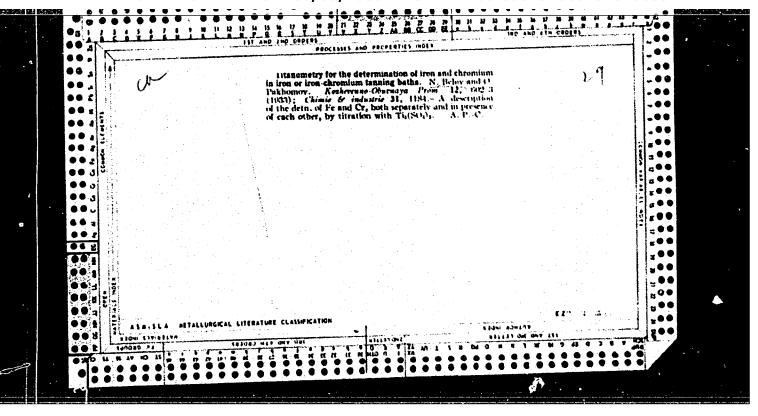
Analysis of the parameters and arrangement of a new series of roll-turning lathes. Stan. i instr. 36 no.11:9-11 N '65.

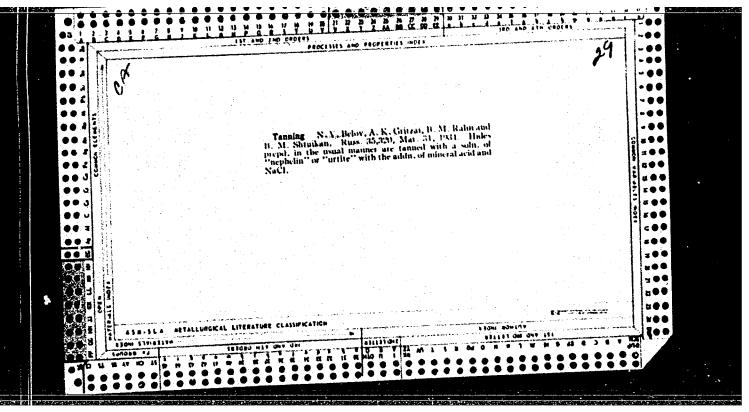
(MIRA 18:11)

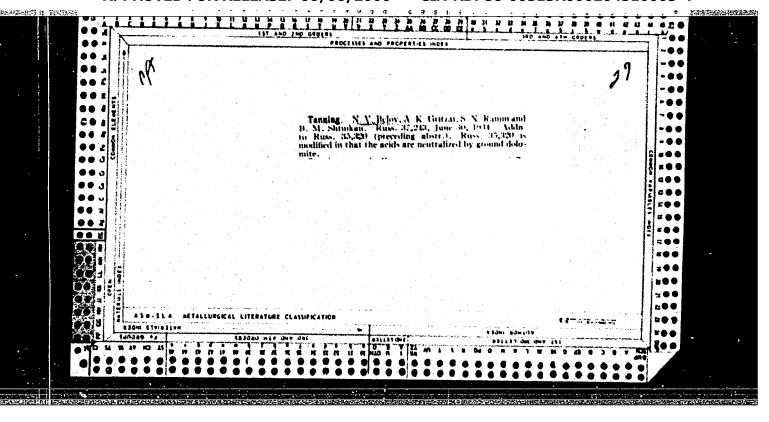


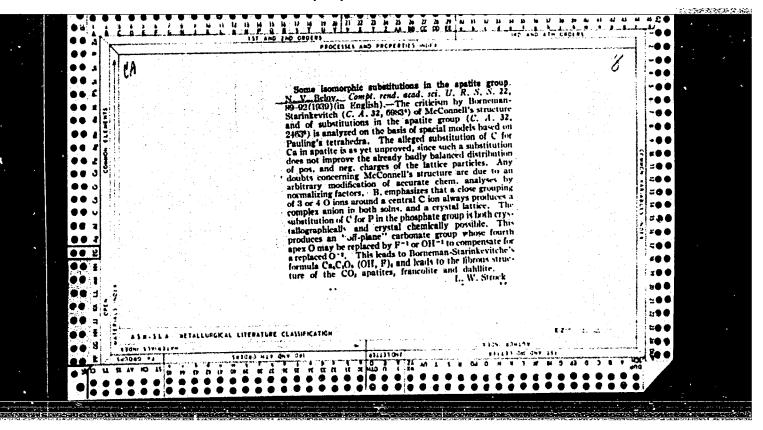
"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204510005-4



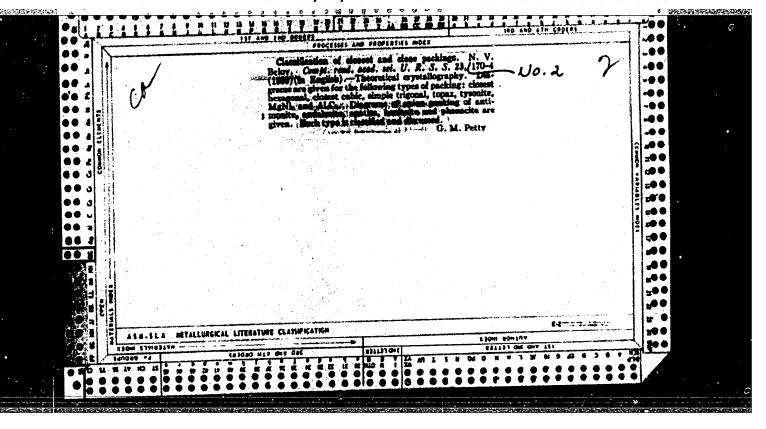


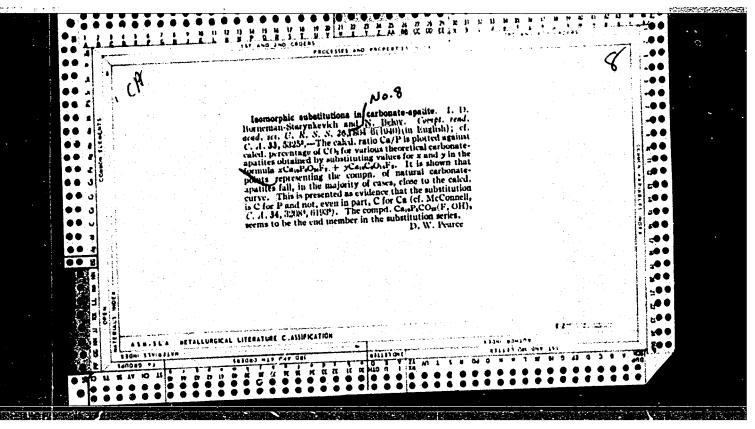


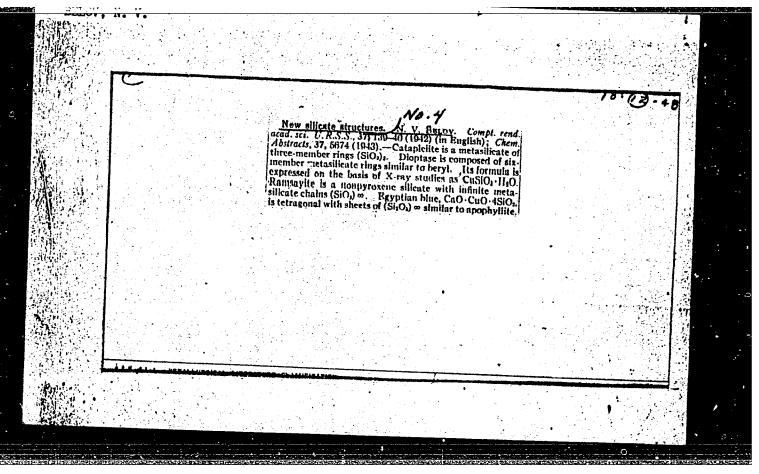




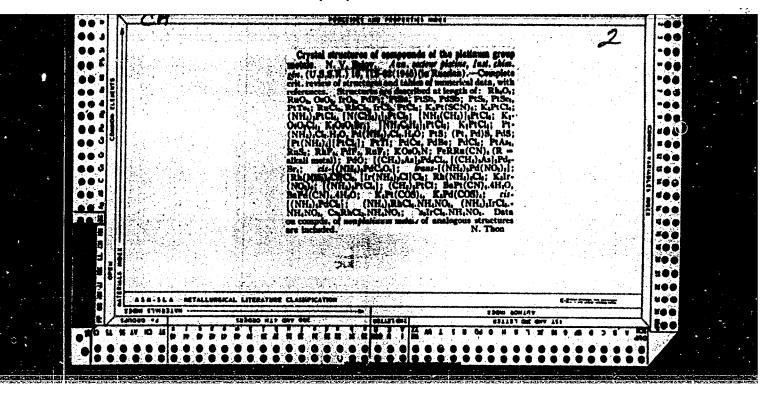
"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204510005-4

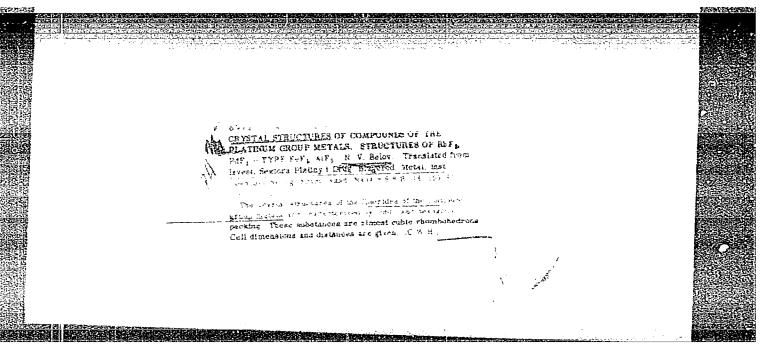


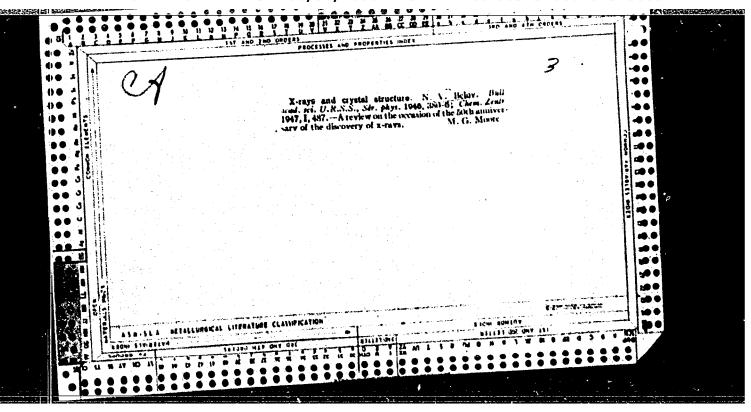




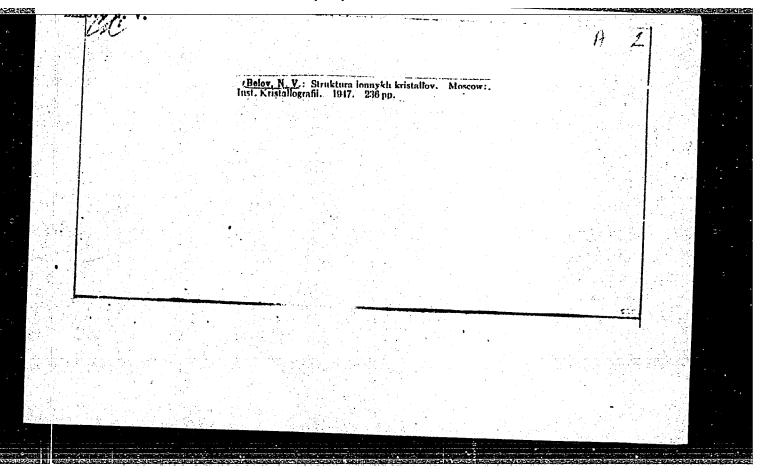
"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204510005-4







			•							
"Structure of Cu <sub>2</sub> S," Dok.	lonic Crys Akad. Nauk,	tals and l	Metallic	Phases	," and	"The S	Stru <b>ctur</b> ecof	High	Chalcocit	· <b>B</b>
										1. 1.
		* *								
÷										
				•						-
		• ,								
*					.*					



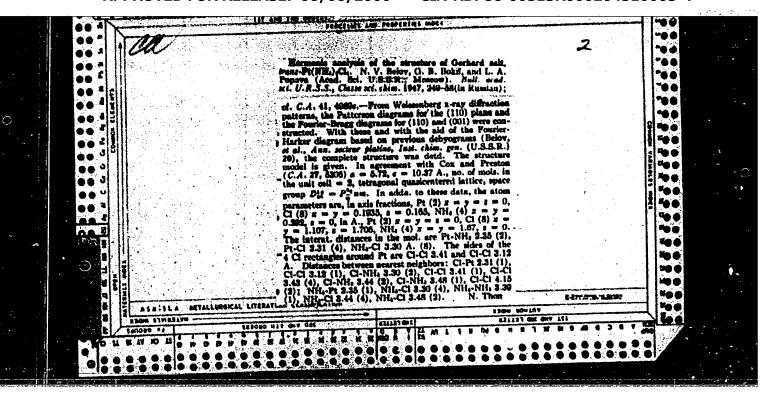
USSR/Chemistry - Gerhardt's Salt May/Jun 1947
Chemistry - Analysis

"Investigation of the Structure of Gerhardt's Salt
by Harmonic Analysis," N. V. Belov, G. B. Bokiy,
L. A. Popova, 10 pp

"Izv Ak Nauk Otd Khim Nauk" No 3

Determination of lattice constants, number of
molecules in the unit cell, parameters of atoms,
interatumic distances, and distances between the
nearest atoms, for Gerhardt's salt (Pt(NH3)2Cl1trans).

15718

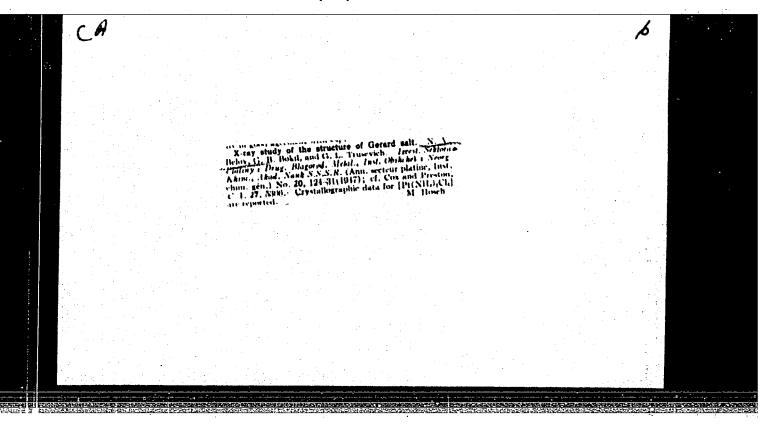


BELOV, N.V., doktor khimicheskikh nauk.

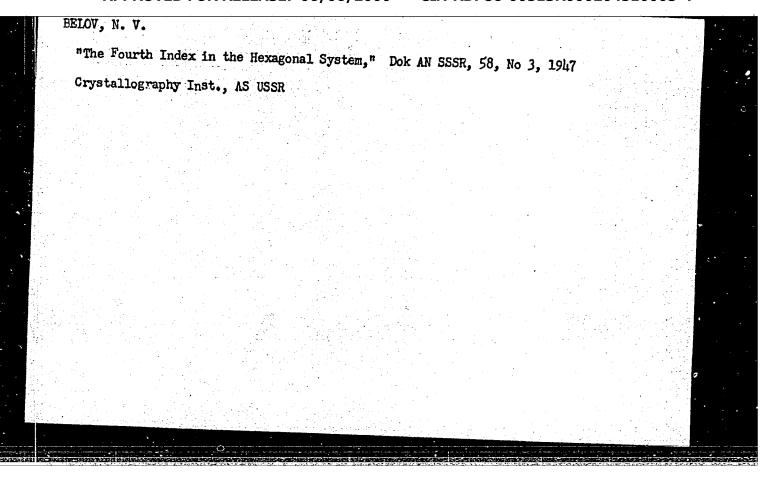
(CONTRACT)

The A.N.Bakh Prize awarded to G.S.Zhdanov for his works on "X-ray investigations of boron carbide and silicon carbide." investigations of boron carbide and silicon carbide." Khim.prom.no.9:270 S147. (MLRA 8:12)

1. Chlen-korrespondent Akademii nauk SSSR. (Silicon carbide) (Boron carbide)

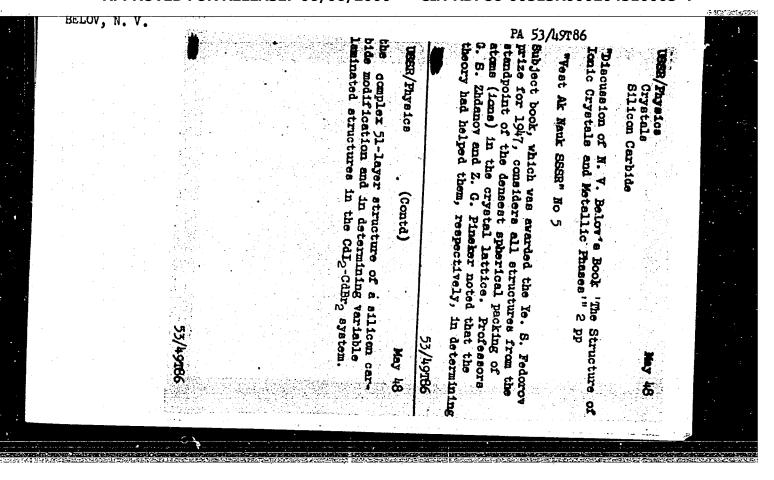


# "Determination of Crystal Parameters," Dok. Akad. Nauk, Vol. 57, No. 8, 1947. Co-author: Vladimir P. Butuzov.



# "APPROVED FOR RELEASE: 06/06/2000

#### CIA-RDP86-00513R000204510005-4



BELOV, N. V.

USSR/Physics Crystallography Structure Analysis

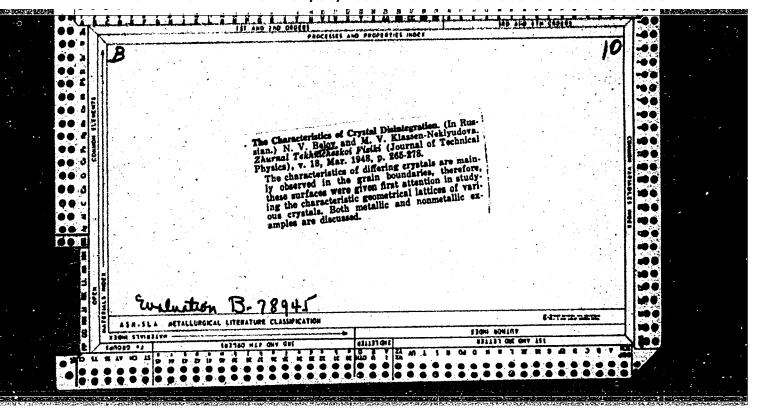
Mar/Apr 1948

"Review of 'Structure of Ionic Crystals and Metallic Phases' by N. V. Belov,"

Iz. Ak. Nauk SSSR, Ser. Fiz., Vol. XII, No. 2

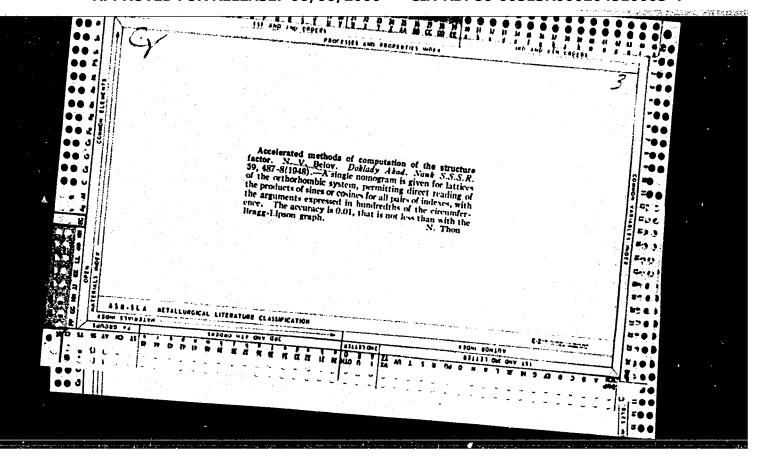
Work is examined, chapter by chapter. After describing basic laws of crystalline structure, author shows how they must be modified for certain elements because of peculiarities of their electronic structure. This class includes such important systems as carbides of iron and chromium. Among other subjects discusses phenomena of twinning and pseudosymmetry. Book contains 174 drawings.

69T94



"Struktura ionwikh kristalov i metallicheskikh faz" (Structure of Ionic Crystals and Metallic Phases).

Academy of Sciences of the USSR, Institute of Ctystallography. Uspekhi Fizicheskilsh Nauk, Vol XXXIV, No 3, 1948.



BELOV, N. V.

USSR/Physics Crystals Crystallography

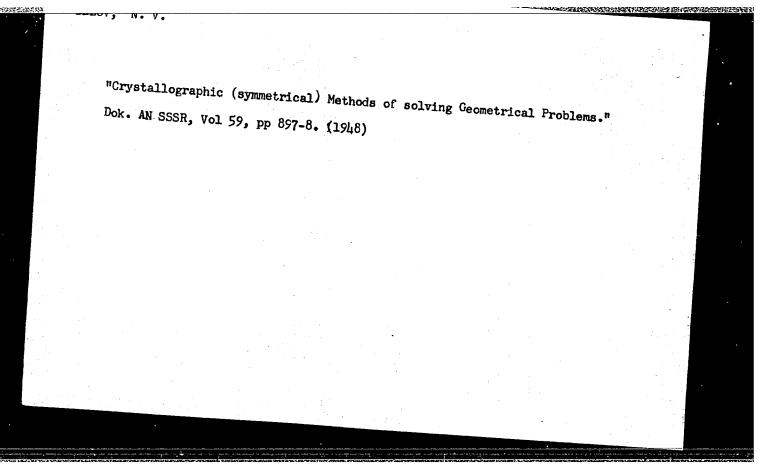
Dec 48

"The Number and Composition of Abstract Groups which Encompass 32 Crystallographic Classes," by Ye. N. Belova, N. V. Belov, Corr. Mbr., Acad. Sci. Ussr, A. V. Shubnikov, Corr. Mbr., Acad. Sci., USSR, 4 pp.

Dok. Akad. Nauk SSSR, Vol. LXIII, No. 6

Two-page table shows the separation of 32 crystallographic classes into 18 abstract groups. Basic principle used for joining several crystallographic groups into one abstract group was the group identity of operation of even axes: rotary, specular, and inversion.

35/49192



SOUTH COLUMN TO THE STATE OF TH

BELOV. N. V.

35862 O dvoynikovykh zakonakh u slyud I slyudo podobnykh mineralov. Mineral. Sbornik (1'vou), no 3, 1949, s. 29-40.: Biblogr: 9 Nazv

SO: Letopis' Zhurnal'nykh Statey, No. 49, 1949

X-rays--Diffraction

Application of methods of harmonic analysis for establishing parameters of crystal structures based on standard powder X-ray diffraction patterns. Trudy Inst. krist.

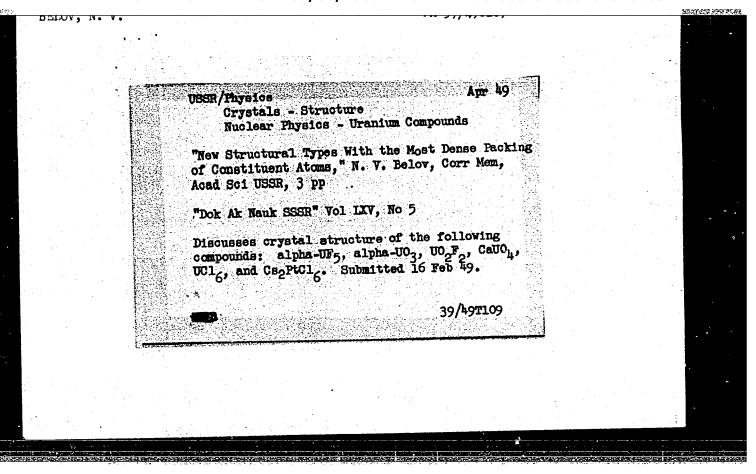
Monthly List of Russian Accessions, Library of Congress, December 1952. UNCI ASSIFIED.

USSR/Geology - Minerals, Structure
Physics - Atomic Structure

"Progress in Structural Mineralogy," N. V. Belov,
13 pp

"Iz Ak Nauk SSSR, Ser Geol" No 6

Lists accomplishments of structural mineralogy,
chiefly in silicates, on the basis of the more recent
results of X-ray structural analysis (work of Belov's
laboratory, in particular).



CA

Crystal structure of tourmaline. N. V. Belov and B. N. Belova. Doblady Akad. Nauk S.S.N.R. 607 185-8(1040); cf. Hamburger and Buerger, C.I. 43, 80876.—Previous keray measurements of the authors gave for dravite (Mgtourmaline) the dimensions of the elementary cell: a. = 10.00 A.; a. = 7.24 A.; c. a. = 113.707, space group C.S. = Rion with 1 mol. NaRdbesia (O,OH) soon in the unit cell. For the new deth. of the structure by the authors, the structural analogy of the rings in dioptase, milarite, and beave have about the same dimensions in the horizontal extension, while in the vertical direction the lengths are in the ratio 1:12 for the dioptase, tournaline, and milarite, resp. Na\* is situated, without parameters, in (000). By Patterson analysis the positions of the other atoms have been detd. The dittigonal rings have a radius (Si. = Si) of 3. 67 A. in tournaline (3.00 in beryl, 3.11 in milarite, 3.00 in dioptase); they are attanged in two distinct levels, one with 0.8i, the other with 3A + 3B. Octahedral [MgCs] units

are attanged along trigonal screw axes, in chains extending through the entire framework. The structure has 26 parameters; the comparison with the structure given by Hamburger and Buerger is best if Na\* is located not in (000) but with z = 0.885 A. Seven kinds of oxygen lons are distinguished, numbered for analogy with those authors II to VIII. The polarity of the anondar units is existent while the upper level is approx. Incagonal the lower level is distinctly diregonal, with a side length of about 20. I dains. The Na\* hurs are located in wide oxtahrdra between the double-ring arrangements; those have the formula 180-ALBQO,011-21, with the distances Si.—Oxarving between 1.57 and 1.78 Az; (Al. B)—Obetween 1.58 and 1.70 A. Mg.—O between 1.97 and 2.27 A. In details of the positions of the ions, this structure is not in agreement with Hamburger's and Buerger's details; there are also many contradictory at distances given, e.g., the too large distance for Al.—O. While the authors find for Mg.—Oz. 2.53 Az Hamburger and Ilberger give 2.10 A. Also in the intensity data, there are tremendous contradictions, e.g., for (1126).

W. Eitel.

1957

#### "APPROVED FOR RELEASE: 06/06/2000

#### CIA-RDP86-00513R000204510005-4

2 mols in the elementary cell. Intensities and Patterson analysis verified the independent parameters of the structure. The conditates are:  $(2)^k$ , in x = 0; y = 0;  $z = \frac{1}{12}$ ;  $(4)^k$ Cas in x = 0; y = 0;  $z = \frac{1}{12}$ ;  $(4)^k$ Cas in x = 0; y = 1/2;  $(2)^k$ Cas in x = 0;  $(2)^k$