

L 02962-67

ACC NR: AP6032844

film-forming materials and higher for those based on organosilicon or inorganic materials. The  $\mu$  of films based on film-forming materials belonging to a given class of chemical compounds varied but slightly. In contrast,  $\tau$  was shown to depend on the molecular weight of the film-forming material and on the presence of surface-active groups. The  $\tau$  was higher for films based on organic materials than for films based on inorganic materials. The functions  $\tau = f(t^\circ)$  and  $\mu = f(t^\circ)$  exhibited extrema; the highest  $\tau$  and the lowest  $\mu$  were observed at 100—200C. Study of the effect of additives showed that at 40—300C, solid film lubricants containing graphite had lower  $\tau$  and  $\mu$  than those containing  $\text{MoS}_2$ .  $\tau$  and  $\mu$  were intermediate for films containing a graphite --  $\text{MoS}_2$  mixture (1/9 ratio). Cycling from room to a subzero temperature had almost no effect on  $\tau$  and  $\mu$  [a discrepancy is found between the subzero temperature quoted in the text (-25°C) and in Table 4 (-250°C) of the original article] Film thickness did not affect  $\tau$ . No direct correlation could be established between thermal-oxidative stability and  $\tau$ . Orig. art. has 6 figures and 4 tables.

SUB CODE: 11/ SUBM DATE: none/ ORIG REF: 005/ OTH REF: 003/ ATD PRESS: 5099

Card 3/3 *LC*

L 16716-66 EWT(d)/ENP(c)/EMT(v)/T/ENP(k)/ENP(1) IJP(c)

ACC NR: AP6023645

SOURCE CODE: UR/0381/66/000/002/0022/0029

AUTHOR: Oshchepkov, P. K.; Klimov, K. M.; Voronova, I. S.

ORG: NII Introscopy (NII introskopii)

TITLE: Development and investigation of an electromagnetic intrascope for recording 2-dimensional images of the magnetic relief of tubes on electrochemical paper

SOURCE: Defektoskopiya, no. 2, 1966, 22-29

TOPIC TAGS: flaw detection, magnetic recording, recording paper, ~~metal~~ <sup>METAL</sup> tube

ABSTRACT: The construction and use of an <sup>14</sup>electromagnetic "intrascope" is described. Ferromagnetic tubes were inspected for artificially-induced and natural defects, by transferring 2-dimensional magnetic relief patterns of the defects to electrochemical paper. Schematic drawings of the intrascope components and their circuitry are presented. The original signal is emitted by an inductive probe transmitter, having a range of sensitivity of 0.015-0.1 v/oer relative to the external magnetic field. After boosting, the signal is sent through an amplitude modulator, a power amplifier, a rectifier, a signal synthesizer (the topograph) and finally, a recorder. Circumferential scanning of tubes with an outer diameter of 57.6 mm was done by rotating them at 2 rev/sec. In the longitudinal direction, the image scale was usually 1:1. In the transverse direction the image scale  $m$  was given by the formula

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UDC: 620.179.14

ACC NR: AP6023645

$$\pi = \frac{l_{\text{line}}}{\pi(D+2h)},$$

where  $l_{\text{line}}$  is the line length of the paper (mm),  $D$  is the outer tube diameter (mm) and  $h$  is the clearance between the surface of the tube and the tip of the transmitter (mm). Other process parameters were: strength coefficient-- $10^6$ , recorder power--0.2 to 0.5 watt, recorder current--20 to 50 ma, ohmic resistance of the electrochemical paper--600 to 200 ohms, characteristic frequency--1500 cps. Inspection of tubes made from 20 steel was successful in locating defects as small as 5-10% of the area of the transmitter probe. A list of the artificially-induced defects is given, showing their positions along the axis and perimeter of the tubes. Intragrams illustrated the effect of different magnetic arrangements on the characteristics of the 2-dimensional images and also depicted natural forge and lap defects. The recording speed ranged from 1200-2500 m/sec depending on the quality of the electrochemical paper. The maximum scanning rate was 10 cm/sec for  $m=1:10$  in the longitudinal direction and  $m=1:4$  transversely. Orig. art. has: 5 figures, 1 table, 1 formula.

SUB CODE: 14,09/

SUBM DATE: 13Oct65/

ORIG REF: 005

Card 2/2<sup>fv</sup>

L 60130-65 EWT(d)/ENP(o)/ENP(v)/T/ENP(k)/ENP(l)/ETC(a) 21-4 NW  
ACCESSION NR: AP5015103

UR/0381/65/000/002/0087/0089

AUTHOR: Klimov, K. M.

23  
22  
0

TITLE: An electromagnetic introscope for making the magnetic surface configuration of metal articles visible

SOURCE: Defektoskopiya, no. 2, 1965, 87-89

TOPIC TAGS: Introscope, flaw detection, magnetic field measurement *qm*

ABSTRACT: This article describes an electromagnetic introscope for visual observation of the spatial distribution of magnetic fringing fields formed by various kinds of defects in ferromagnetic tubes. Recording of the magnetic topography is done on electrochemical paper using wirephoto recording equipment. A block diagram of the apparatus is given in fig. 1 of the Enclosure. The tube is smoothly rotated while a magnetic sensing instrument (e.g. a ferroprobe) is gradually moved along the generatrix of the tube, thus scanning the magnetic relief (magnetic fringing fields) along a helical line which continuously envelops the external surface of the tube. 1. Signals from the magnetic sensing instrument 2 are sent to resonance amplifier 3 and then to phase sensitive detector 4. Fixed frequency generator 5 provides the ferro-

Card 1/3

L 60130-65

ACCESSION NR: AP5015103

probe pickup with alternating excitation current and is also used for commutation of the phase-sensitive detector. After amplification and detection, the signals are fed to modulator 6 which is supplied with carrier frequency current by generator 7. The carrier frequency voltage, modulated by the frequency of the variation in magnetic relief on the external surface of the tube, is fed to the wirephoto recorder 8. Orig. art. has: 3 figures.

ASSOCIATION: Nauchno-issledovatel'skiy institut introskopii (Scientific Research Institute of Introscopy)

SUBMITTED: 07Jan65

ENCL: 01

SUB CODE: EM, EC

NO REF SOV: 003

OTHER: 000

Card 2/3

L 60130-69  
ACCESSION NR: AP5015103

ENCLOSURE: 01

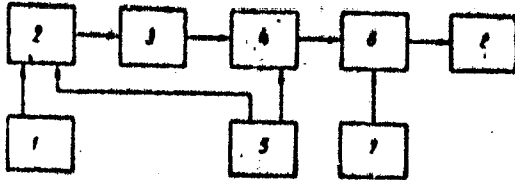
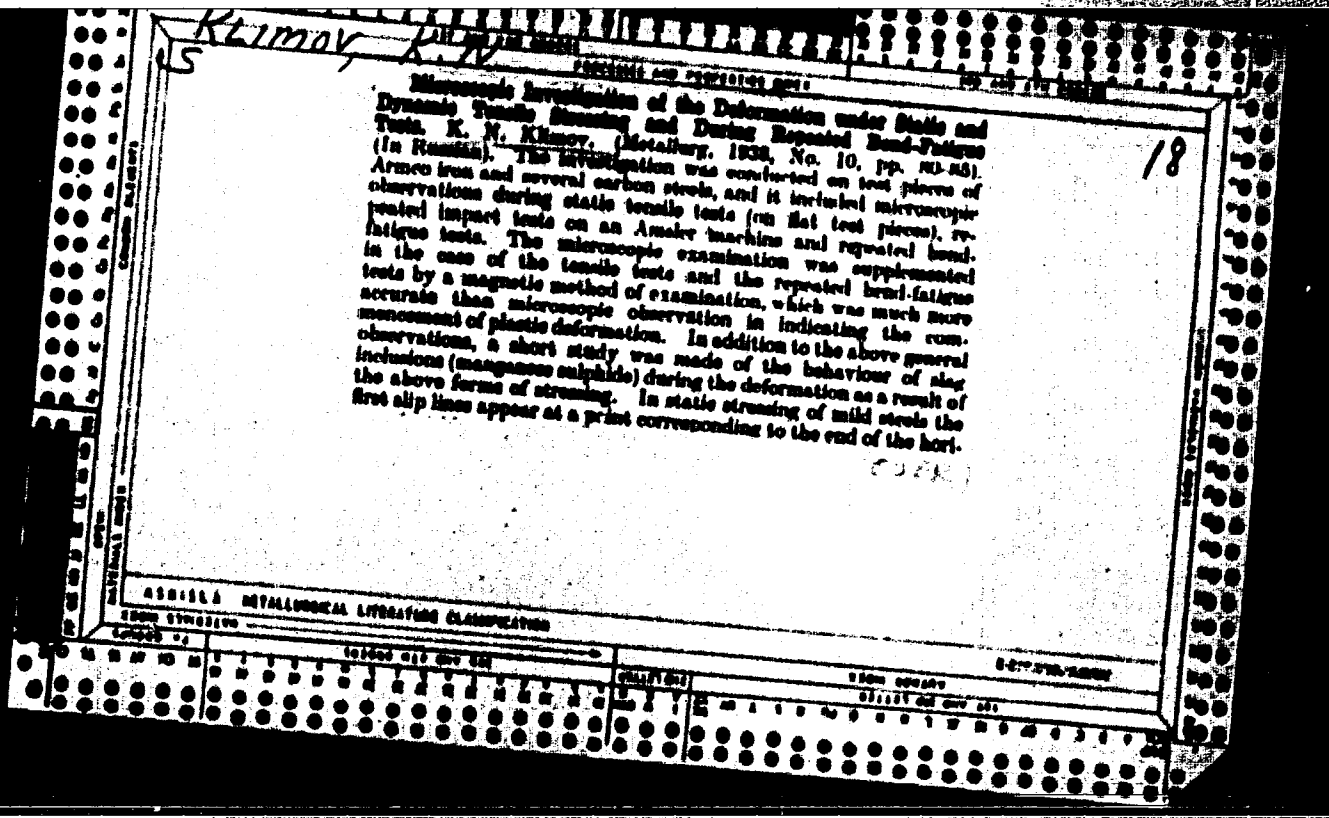


Fig. 1. Block diagram of the electromagnetic introscope.

Card *TR*  
5/3

KAZARNOVSKIY, D.S., kand.tekhn.nauk (Khar'kov); KLIMOV, K.N., kand.tekhn.nauk  
(Khar'kov)

How to prolong the life of rails. Put' 1 put.khoz. no.11:9-11 N'58.  
(Railroads--Rails) (MIRA 11:12)





central yield portion of the stress-strain diagram. In fatigue tests, slip lines appear only when the load exceeds the experimentally determined fatigue limit. With loads below this limit a system of markings developed in certain grains. These markings when highly magnified have the appearance of small spreading cracks. A definite difference in the development of the plastic deformation of test-pieces with ferrite-austenite, granular pearlite and ferrite-pearlite structures was observed. Under static and dynamic impact tensile stresses manganese sulphide inclusions begin to break up at very low loads and partially fall out leaving voids. Under fatigue stresses whole colonies of manganese sulphide inclusions remain unaffected even when the ferrite between them shows signs of destruction. Under static and dynamic tensile stresses, sulphide inclusions form the starting points from which the slip lines develop. This behaviour is not observed in test-pieces subjected to fatigue stresses.

KLIMOV K.N.

Corrosion Resistance and Aging Capacity of the Chromium-Copper Steel BS. K. G. Khumovskiy, K. N. Klimov and K. I. Nmyalov. (Metallurg. 1938, No. 11, pp. 84-102). (In Russian). The authors investigated twelve samples of the steel containing chromium 0.4-0.8%, copper 0.25-0.73%, carbon about 0.2%, and manganese about 0.7%. They tested the corrosion resistance by six months exposure to the atmosphere and by intermittent immersion in water. They also studied the tendency to age by means of notched-bar impact tests and present some supplementary data on grain size determination of this type of steel. They noted in particular that good resistance to atmospheric corrosion coincided with the presence of the finer grain-size obtained by decarburization with an aluminium-manganese-silicon alloy. With the exception of a few experimental heats, specimens of 12S steel tended to age excessively. The definitely fine-grained steels had higher impact strength in the rolled condition and showed the smallest loss in impact strength on aging.

11 NOV 64 K.N.

25(1)

PHASE I BOMB EXPLOSION

SOV/13

Klyuz, Stevanovich Nodden-Isolovskiy, Izvity Institut Metallor (The Institute of Metallurgy and Characteristic of Ferrous Metals; a collection of articles) Saratov, Saratovskiy gos.univ. in. A.M. Saratov, 1955. 271 p. (Series; Izv. Saratovskiy gos.univ. in. A.M. Saratov, 1955. 1,000 copies printed.)

Editorial staff of this book: P.A. Aleksandrov, E.S. Kuznetsov, N.I. Burakov, V.P. Lovo, F.F. Chernykh, E.S. Kuznetsov, E.S. Kuznetsov, M.I. S.V. Liberman, T.S. Timonov, and

conception and the editors and technicians of metallurgical the Institute of Metallurgy of the Institute of Metallurgy.

with a furnace, and with a blast furnace. It also deals with the problems for their study. Particular attention is given to the production of cast-iron and blast furnace practice with increased of light metal. The preliminary with oxygen blast and rolling accompany this article. No preliminaries are mentioned. References

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SOV/13

KAZARNOVSKIY, D.S.; DYUBIN, N.P.; GERSHORN, M.A.; KRAVTSOVA, I.P.;  
KLIMOV, K.M.; RUDOL'SKIY, N.L.; PRADIN, M.D.; SVIRIDENKO, P.P.;  
PRADINA, M.G.; ZANNES, A.N.; CHERNOVA, A.V.

Experimental railroad rails made of chromium-nickel native  
alloy steel. Stal' 22 no.6:548-550 Je '62. (MIRA 16:7)

1. Ukrainskiy nauchno-issledovatel'skiy institut metallov i  
zavod "Azovstal'".

(Chromium-nickel steel)  
(Railroads--Rails)

KARAFENOVSKIY, L.S.; SHINAPERMAN, I.T.; KRAVTSOVA, E.P.; MEINER, K.H.

Railroad rails slightly resistant to transverse fracture. Izv. vyz. uchob. zav. zhurnal. d no. 2112-222 195.

(MIRA 12:8)

1. Kovalinsky nauchno-issledovatel'skiy institut metallov.

KLIMOV, K. V.

KLIMOV, K. V. "A comparative study of the protein fractions of blood serum and of certain immunobiological properties of patients with bacterial dysentery, typhoid, and paratyphus." Crimean State Medical Inst. Simferopol', 1956.  
(Dissertation for the Degree of Candidate in Sciences)  
Medical

So: Knishnaya Letopis', No. 18, 1956

**DOMRACHIN, V.M.; KLIMOV, K.Y.**

Compound therapy in bacillary dysentery. Zhur.mikrobiol.epid. i  
immun. 27 no.6:80-81 Je '56. (MIRA 9:8)

1. Iz kafedry infektsionnykh bolezney i epidemiologii Krynskogo  
gosudarstvennogo meditsinskogo instituta.  
(DYSENTERY)

**KLIMOV, K.V.**

Examination of the blood serum in bacillary dysentery by the electrophoresis-precipitation method. Zhur. mikrobiol., epid. i immun. 40 no.1:116-120'63.  
(MIRA 16:10)

1. Is kafedry infeksionnykh bolezney i epidemiologii Kryasko-go meditsinskogo instituta.



KLIMOV, K.V.; IRVINA, TS.M.; KUSHNEVA, T.N.

Determination of the sensitivity of dysentery bacilli to antibiotics of the tetracycline group using the diffusion in the agar method. Antibiotiki 10 no.6:544-546 Je '65. (MIRA 18:7)

1. Kafedra infektsionnykh bolezney (sav. - prof. V.M. Dourachev) Krymskogo meditsinskogo instituta i 2-ya gorodskaya Bol'nitsa, Simferopol'.

SERGIYENKO, L., insh.; KOCHAN, L., insh.; GUSHVA, G.; KLIMOV, L.;  
KHMELVA, L.

No, these are not trifles! Okhr.truda i sots.strakh. no.10:  
39-41 0 159. (MIRA 13:2)

1. Korrespondenty gazety "Vitebskiy rabochiy" (for Gushva, Klimov). 2. Spetsial'nyy korrespondent shurnala "Okhrana truda i sotsial'noye strakhovaniye" for (Khmelva).  
(Vitebsk Province--Industrial hygiene)

~~L 55015-65~~ ERG(r)/ENT(1)/ENG(m)/T-2. Pz-6  
ACCESSION NR: AP5016683

UR/0084/65/000/007/0022/0022

AUTHOR: Klimov, L. (Engineer); Antipenko, I. (Engineer)

TITLE: In pilots' cabins (An air conditioner for light aircraft)

19  
B

SOURCE: Grazhdanskaya aviatsiya, no. 7, 1965, 22

TOPIC TAGS: aircraft air conditioning equipment, air conditioner, aircraft cabin equipment

ABSTRACT: An enterprise of the Ministry of the Aviation Industry has developed an air conditioner, using a freon refrigeration system, whose dimensions and weight make it suitable for use on light aircraft and helicopters. Resembling a small radio receiver, it is mounted on the ceiling of the cockpit or passenger compartment, and its compressor and condenser unit is mounted in the tail section. The pilot can regulate the temperature within 25° of that of the surrounding air. The air conditioner has been tested and will go into service soon.  
[KT]

ASSOCIATION: none

SUBMITTED: 00  
NO REF SOV: 000  
card 1/1

ENCL: 00  
OTHER: 000

SUB CODE: AC, IE  
ATD PRESS: 4027

~~KLIMOV, L.D.~~, mladshiy nauchnyy sotrudnik; SOLOV'YEV, D.S., mladshiy  
nauchnyy sotrudnik

Preliminary report on geological observations in the eastern  
Antarctic. Inform.biul.Sov.antark.eksp. no.1:27-30 '58.  
(MIRA 12:8)

1. Nauchno-issledovatel'skiy institut geologii Arktiki.  
(Antarctic regions--Geology)

1. KLIMOV, L. I.
2. USSR (600)
4. Sainfoin
7. Effect of bee pollination on the yield of sainfoin seeds. Sel.i som. 19 no. 12, 1952.

9. Monthly Lists of Russian Accessions, Library of Congress, March 1953, Unclassified.

*Klimov, L. I.*  
USSR/Cultivable Plants - Grains.

K-2

Abs Jour : Ref Zhur - Biol., No 3, 1958, 10705  
Author : ~~Klimov, L. I.~~  
Inst : -  
Title : A High-Yield Hard Spring Wheat Variety.  
Orig Pub : Nauka i peredov. ipyt v. s. kh., 1957, No 1, 20-21  
Abstract : This is a report on tests of the Narodnaya spring hard wheat sort both on test plots and under production conditions in Penzenskaya Oblast'. The variety was distributed for use in Penzenskaya Oblast' in 1952.

*Penza Agricultural Inst.*

Card 1/1

CLASSIFIED BY  
DATE  
AUTHORITY  
TITLE

CULTIVATED PLANTS.  
BULGARIAN JOURNAL OF AGRICULTURE - BIOLOGIYA, NO. 4, 1959,

No. 15238

DATE  
AUTHORITY

... is not demanding of soils but prefers  
light, asparagus is a good money plant. In the  
plant it is recommended to grow it in  
well cultivated ploughland under a cover of  
summer wheat. In case of solid row sowing,  
the asparagus seedling quota is 20, in mixture,  
10 to 30 k/ha. For accelerated reproduction of  
asparagus seeds, it is sown in the second  
decade of July in well tilled fallow.  
: -- Yu.A. Okorokov

CARD:

2/2

YALOV, O.S.; KLINOV, L.V.

Composition of moraines on Queen Mary Land and Wilhelm II Coast.  
Trudy Nauch.-issl.inst.geol.Arkt. 95:123-139 '57.

(Antarctic regions—Moraines)

(MIRA 12:1)



3(0)

AUTHORS:

Klimov, L. V., Solov'yev, D. S.

SOV/20-123-1-38/56

TITLE:

~~SOME~~ Features of the Geological Structure of the Coast of Wilkes Land, the King George V Coast and the Oates Coast (East Antarctic). (Nekotoryye cherty geologicheskogo stroyeniya poberezh'ya Zemli Uilksa, Berega Korolya Georga V i Berega Otsa (Vostochnaya Antarktida))

PERIODICAL:

Doklady Akademii nauk SSSR, 1958, Vol 123, Nr 1, pp 141 - 144 (USSR)

ABSTRACT:

The authors investigated individual sections of the coast between 120 and 165 degrees East Latitude in the course of the expeditionary voyage of the Diesel-electric ship "Ob'" in January - February, 1958. 24 primary rock exposures in 10 non-adjacent sections were geologically investigated (Fig 1). Up to now, this part of the Antarctic coast has been investigated only between 140 and 145 degrees East Latitude (Khorn-Blaff Section, Refs 3, 4). The observational data so far available enabled the authors to indicate some basic features of the geological structure of the mentioned sections. The entire coastal strip of Wilkes Land east of 111 degrees East Latitude (approximately 1200 km long) is almost entirely

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Some Features of the Geological Structure of the  
Coast of Wilkes Land, the King George V Coast and  
the Oates Coast (East Antarctic)

SOV/20-123-1-38/56

without primary exposures. Exceptions are: the islands of Chik and Genri (Henry) and an unnamed nunatak on the west coast of the Porpos bay; they are described by the authors. The data mentioned indicate that the entire coastal strip of Wilkes Land is part of an extensive region of Precambrian schists and gneiss and of the associated charnokites (from Enderby Land in the West to Wilkes Land in the East - Ref 2). The coastal strip in the sector between 145 degrees and 165 degrees East (approximately 1000 km in length), comprising the greater part of King George V Coast and of Oates Coast, differs notably from the strip mentioned first. Isolated, interrupted mountain ranges, mostly sub-meridional, can be followed 100 - 150 km inland. The altitudes are 1000-1200 m; the mountainous terrain continues into Victoria Land, where it is named gory Admiralteystva (Admiralty Mountains). In the West, the mountains are replaced by the ice plateau of King George V Coast. There are isolated primary rock exposures. The plateau is split into individual blocks by extensive sub-meridional tectonic disturbances (narusheniya) which

Card 2/4

Some Features of the Geological Structure of the Coast of Wilkes Land, the King George V Coast and the Oates Coast (East Antarctic)

SOV/20-123-1-38/56

are almost in parallel direction. The gaps between the blocks are filled by outwelling glaciers or marked by deep ice-covered bays. A petrographic characterization of the areas discussed is given. A sedimentary-volcanic Bikon (Beacon) series on Khorn-Blaff, discovered in 1911 - 1914 (Ref 4), is represented by horizontally stratified sandstones with intermediate strata of conglomerate. These are covered by a thick (150 m) dolerite sill. The intrusion of dolerites caused a contactic metamorphism of the sedimentary rocks, i.e., recrystallization of the cement and transformation of the feldspar in kaolinite and, furthermore, to carbonization of the ligneous remnants. As a whole, the coastal strip described is to be regarded as a part of the East Antarctic Platform (Vostochno-Antarkticheskaya platforma) which has undergone considerable lifting and lowering of a Brocken character in relatively recent (Cenozoic) time. By this, not only the sedimentary cover, but also portions of the two-stage foundation were exposed. There are 1 figure and 4 references, 2 of which are Soviet.

Card 3/4

Some Features of the Geological Structure of the  
Coast of Wilkes Land, the King George V Coast and  
the Oates Coast (East Antarctic)

SOV/20-123-1-38/56

ASSOCIATION: Nauchno-issledovatel'skiy institut geologii Arktiki (Scientific  
Research Institute of Geology of the Arctic)

PRESENTED: June 13, 1958, by D. I. Shcherbakov, Academician

SUBMITTED: June 9, 1958

Card 4/4

3(5,8)

SOV/11-59-3-2/17

AUTHOR:

Voronov, P.S., Klimov, L.V., and Ravich, M.G.

TITLE:

Late Pre-Cambrian Deposits of the Amundsen and Sandau Mountains on Queen Mary Land in the Eastern Antarctic. (Pozdnedokembriyskiye otlozheniya gor Amundsen i Sandau na Zemle Korolevy Meri v vostochnoy Antarktide)

PERIODICAL:

Izvestiya Akademii Nauk SSSR, Seriya Geologicheskaya, 1959, Nr 3, pp 3-18 (USSR)

ABSTRACT:

The authors describe in detail the results of the camera treatment of materials gathered by the Soviet Antarctic Expedition in 1956-1957. The extremely rare group of late Cambrian metamorphic rock of green schists, encountered in the Central sector of the Eastern Antarctica for the first time, is dealt with in particular. Exact data on the location of the Amundsen and Sandau mountains are furnished. The geological research of both these mountains was started in January 1957 by L.V. Klimov and P.S. Voronov

Card 1/5

Pre-  
Late/Cambrian Deposits of the Amundsen and Sandau Mountains on  
Queen Mary Land in the Eastern Antarctic

SOV/11-59-3-2/17

who systematically described the laminar cross section of the terrigenous rock stratum and a total of 70 samples were taken. The collected material was examined by the Nauchno-issledovatel'skiy institut geologii Arktiki (Scientific Research Institute of Arctic Geology). The petrographic description of rock was handled by M.G. Ravich with the assistance of Ye.M. Orlenko. A complete silicate analysis on the green schist of the Sandau mountain was made by A.Z. Shpindler. The absolute age was determined at the Laboratoriya geologii dokembriya AN SSSR (Laboratory of Geology of the Pre-Cambrian Period, AS USSR) under the direction of E.K. Gerling. Orographically, the Amundsen and the Sandau mountains represent typical nunataks, the first one being 50 m, the other 150 m above the ice shield of the Antarctica (Figures 2 and 5). The absolute height of the Amundsen mountain is 1,445 m and that of the Sandau mountain, 1,380 m. Judging from the configuration of ice cracks,

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Pre-  
Late/Cambrian Deposits of the Amundsen and Sandau Mountains on  
Queen Mary Land in the Eastern Antarctic

SOV/11-59-3-2/17

the Sandau mountain is circumflown from SW by an ice stream heading NW. This ice stream is located approximately 1,5 km from the mountain summit. An analogous stream circumflows the Amundsen mountain from the S and SE. This ice stream is about 2 km away from the Amundsen mountain peak. A petrographic study of these 2 mountains disclosed that the metamorphic rock could be classified into 5 principal groups: 1) metamorphic baltoids, converted into epidotic-chlorite slates with quartz-epidotic and chloritic veins; 2) metamorphic quartz conglomerates; 3) various metamorphic quartz-feldspathic and quartz sandstones in places resembling quartzites; 4) metamorphic aleurolites and argillites; 5) sericitic slates. These 5 groups are fully dealt with. The authors conclude that by comparing the metamorphic terrigenous mountains under discussion for composition, geological status and character of metamorphism with rock series in Siberia, it may be assumed that the most probable time of their

Card 3/5

Pre-  
Late/Cambrian Deposits of the Amundsen and Sandau Mountains on  
Queen Mary Land in the Eastern Antarctic

SOV/11-59-3-2/17

formation was the late Pre-Cambrian period. The green slates of the Sandau mountain may be identical with the green slate formation on the Taymyr Peninsula, a number of regions in Eastern Siberia, on the Kola Peninsula and in Kareliya. In all these regions, the green slate formation is considered to originate from the Proterozoic period. The same holds true for the green slate deposited in the Sandau mountain. Psammitic sediments are prevalent in the composition of terrigenous deposits, whereas psephitic aleuropelitic sediments are less developed. Judging from the lithological peculiarities of metamorphic terrigenous rock, the clastic material was deposited by water streams and partly by wind under conditions of a littoral-continental environment. There are 4 photographs, 1 map, 2 sketches and 2 references, 1 of which is Soviet and 1 English.

Card 4/5



Pre-

Late Cambrian Deposits of the Amundsen and Sandau Mountains on  
Queen Mary Land in the Eastern Antarctic

SOV/11-59-3-2/17

ASSOCIATION: Kompleksnaya antarkticheskaya ekspeditsiya AN SSSR  
(Comprehensive Antarctic Expedition of the AS USSR);  
Institut geologii Arktiki, Leningrad (Institute of  
Arctic Geology, Leningrad).

SUBMITTED: June 21, 1958.

Card 5/5

DRUGOVA, G.M.; KLIMOV, L.V.; KRYLOVA, M.D.; MIKHAYLOV, D.A.; SUDOVIKOV, N.G.;  
USHAKOVA, Z.G.

Pre-Cambrian geology of the Aldan mining region. Trudy Lab. geol.  
dokm. no.8:5-331 '59. (MIRA 12:10)  
(Aldan Plateau--Geology)

RAVICH, M.G.; VORONOV, P.S.; KLIMOV, L.V.; SOLOV'YEV, D.S.

Reconnaissance of the eastern part of the mountains on Queen  
Maud Land in the Antarctica. Inform.biul.NIIGA no.16:30-36  
'59. (MIRA 15:3)  
(Queen Maud Land--Mountains)

RABKIN, M. I.; KLIMOV, L. V.

Anorthosites in the Anabar Shield. Trudy NIIGA 96:116-129  
'59. (MIRA 13:5)

(Anabar Shield--Anorthosite)

KLIMOV, L.V.

Gneiss complex in the eastern part of Wilson Hills (Oates Coast),  
Trudy NIIGA 113:83-97 '60. (MIRA 14:5)  
(Wilson Hills, Antarctica—Gneiss)

VORONOV, P.S.; KLIMOV, L.V.; ORLENKO, Ye.M.

Geological structure of Mount Brown. Trudy NIIGA 113:98-122 '60.  
(MIRA 14:5)

(Brown, Mount, Antarctica—Petrology)

KLIMOV, L.V.

Granites in the coastal area of Ainsworth Bay (George V Coast).  
Trudy NIIGA 113:123-146 '60. (MIRA 14:5)  
(Ainsworth Bay, Antarctica—Granite)

KLIMOV, L.V.

Phlogopite deposits in the eastern Antarctic. Zakonch. razn.  
polezn. iskop. 6:400-402 '62. (MIRA 16:6)

1. Nauchno-issledovatel'skiy institut geologii Arktiki.  
(Antarctic regions—Phlogopite)



KLIMOV, L.V.; DUKHANIN, S.P., mladshiy nauchnyy sotrudnik; MITROSHIN, M.I.,  
mladshiy nauchnyy sotrudnik

Geological studies in western Enderby Land. Inform. biul. Sov. antark.  
eksp. no.37:5-7 '62. (MIHA 16:4)

1. Sed'maya kontinental'naya antarkticheskaya ekspeditsiya i Nauchno-  
issledovatel'skiy institut geologii Arktiki. 2. Nachal'nik  
geologicheskogo otryada Sed'moy kontinental'noy antarkticheskoy  
ekspeditsii (for Klimov).

(Enderby Land—Geology)

KLIMOV, L.V., mladshiy nauchnyy sotrudnik, SOLOV'YEV, D.S., mladshiy nauchnyy sotrudnik

Correlation of geological formations in shore areas of the Ross Sea and Oates Coast. Inform. biul. Sov. antark. eksp. no.16:7:10 '60.  
(MIRA 13:12)

1. Nauchno-issledovatel'skiy institut geologii Arktiki.  
(Ross Sea region—Geology, Stratigraphic)  
(Oates Coast—Geology, Stratigraphic)

SUDOVNIKOV, N.G.; KLIMOV, L.V.; MIKHAYLOV, D.A.

Distribution of Archean phlogopite deposits in the Aldan  
Shield. Zakon. razn. poless. iskop. 6:385-395 '62.  
(MIRA 16:6)

1. Laboratoriya geologii dokembriya AN SSSR,  
(Aldan plateau--Phlogopite)

ZNACHKO-YAVORSKIY, G.A., mladshiy nauchnyy sotrudnik ; KLIMOV, L.V., mladshiy  
nauchnyy sotrudnik

Basic characteristics of the relief of the western part of the Enderby  
Land. Inform.biul.Sov.antark.eksp. no.41:11-13 '63. (MIRA 17:1)

1. Nauchno-issledovatel'skiy institut geologii Arktiki (for Znachno-  
Yavorakiy).

KLIMOV, L.V.; mladshiy nauchnyy sotrudnik

Geological structure of Antarctica. Inform. bluz. Sov.  
antark. eksp. no.47:5-18 '64.

(MIRA 18:4)

1. Nauchno-issledovatel'skiy institut geologii Arktiki.

RAVICH, M.G.; KLIMOV, L.V.; SOLOV'YEV, D.S.; SUDOVIKOV, N.G., doktor  
geol.-mineral. nauk, red.

[Pre-Cambrian of eastern Antarctica.] Dokembrii Vostochnoi Antarktidy.  
Moskva, Nedra, 1965 469 p. (Leningrad. Nauchno-issledovatel'skii  
institut geologii Arktiki. Trudy, vol. 138)

(MIRA 18:5)

KLIMOV, L.V.

Geological research in the area of Prince Olav Coast in 1964.  
Inform. biul. Sov. antark. eksp. no.51:55-63 '65.

(MIRA 18:9)

1. Nachal'nik geologicheskogo otryada Nauchno-issledovatel'skogo  
instituta geologii Arktiki.

L 47079-66 ENT(1)/EWP(f)/T-2 WW

ACC NR: AP6029043

SOURCE CODE: UR/0413/66/000/014/0059/0060

INVENTOR: Klimov, L. Ya.; Obukhov, N. Ya.; Vlasov, P. K.; Yakovleva, O. A.;  
Marchenko, V. G.; Timofeyev, V. P.

ORG: none

TITLE: Device for sealing <sup>2)</sup> gas compressor shaft. Class 27, No. 183876

SOURCE: Izobret prom obras tov zn, no. 14, 1966, 59-60

TOPIC TAGS: gas compressor, cooling compressor, compressor shaft, compressor shaft sealing, gas compressor shaft, *sealing device*

ABSTRACT: A device for sealing a gas compressor shaft contains soft stuffing boxes with chambers for supplying oil and an oil pump for maintaining a given pressure in the stuffing box chambers. In order to ensure the sealing of an idle compressor, an independent oil system in a form of a compressed air source (tank) connected through pressure reducer to the oil supply is connected to the stuffing box chambers. (see Fig. 1). In a variation of this device, the seal lubricant supply line has a pres-

Card 1/2

UDC: 621.57.941- -762.64

113  
B



L 47079-66

ACC NR: AP6029043

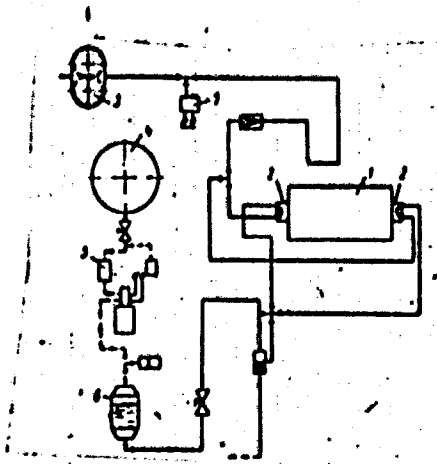


Fig. 1. Sealing device

- 1 - Compressor; 2 - soft stuffing box;
- 3 - oil pump; 4 - pressure source;
- 5 - pressure reducer 6 - oil tank;
- 7 - pressure transducer.

sure transducer which actuates the air supply from the tank to the oil container when the oil pressure in the sealing chamber drops. Orig. art. has: 1 figure. [AV]

SUB CODE: 21/ SUBM DATE: 16Apr65/

Card 2/2 mt

KLIMOV, M.

Poetry of mathematics. Nauka i zhyttia 12 no.11:32-33 N '62.  
(Parasiuk, Ostap Stepanovych) (MIRA 16:1)

GORNOSTAYEV, M.Ye.; KLIMOV, M.A., laborant; REMIZOV, A.A.; KOSTERVA, F.N.

Useful advices. Fiz. v shkole 18 no.6:64-65 M-D '58. (MIRA 11:12)

1.48-ya shkola g. Stalingrada (for Gornostayev). 2.Srednyaya  
shkola st. Malodel'skoy Stalingradskoy oblasti (for Klimov).  
3.35-ya shkola g. Krasnodara (for Remisev). 4.Stalinskiy pedinstitut  
Kemerovskoy oblasti (for Kosterova).  
(Physics--Study and teaching)

KORENEVSKIY, S.M.; DONCHENKO, K.B.; KLIMOV, M.A.; UNKOVSKIY, A.A.

New data on the structure and potassium potential of the Stebnik deposit region. Trudy VSEGEI 83:101-115 '62.(MIRA 16:9)

Oct 1957

icing

"The Effect of the Formation of Ice Crust on the Operation of High Frequency Communications," M. A. Klimov, Engr, 3 pp

"Vestnik Svyazi - Elektrosvyaz" No 10 (91)

The formation of ice crust on the telephone lines of 12-channel telephone circuits has greatly decreased the usefulness of these trunk lines. This article discusses the effect of ice, which acts as a dielectric in an alternating electric field, and gives graphs and mathematical formulas for calculating the carrying capacity of ice crust and sleet and some methods of maintaining good service on lines in spite of their icing.

KLIMOV, M. A.

Dissertation: "Investigation of the Effect of Heterogeneities of a Coaxial Cable on Television Transmission." Cand Tech Sci, Moscow Electrical Engineering Inst of Communications, 20 May 54. Vechernyaya Moskva, Moscow, 11 May 54.

SO: JUN 284, 26 Nov 1954

SOV/111-58-2-8/27

**AUTHOR:** Klimov, M.A., Candidate of Technical Sciences, Deputy Chief of the Department

**TITLE:** Increasing the Shielding Effect Between Circuits of Open Air Telephone-Telegraph Lines by Means of Countercoupling (Povysheniye zashchishchennosti mezhdu tsepyami vozdushnykh telefonno-telegrafnykh liniy s pomoshch'yu konturov protivosvyazi)

**PERIODICAL:** Vestnik svyazi, 1958,<sup>18</sup> Nr 2, pp 10 - 12 (USSR)

**ABSTRACT:** The article deals with the increase of the shielding effect between open air telephone and telegraph lines by countercoupling (protivosvyaz') in the same manner as it is performed with symmetrical long-distance communication cables. This method was experimentally investigated on a test line and on a communication main line by the scientific coworkers of TsNIIS, A.D. Apanasenko and A.A. Kon'kov. It was possible to increase the shielding effect in some cases up to 1.5 nepers. The author indicates the possibility of using such circuits for increasing the shielding between steel wires in connection with the "VS-3" condensing equipment. There

Card 1/2

SOV/111-58-2-8/27  
Increasing the Shielding Effect Between Circuits of Open Air Telephone-  
Telegraph Lines by Means of Countercoupling

are 4 diagrams.

ASSOCIATION: Tekhnicheskiy otdel GUMTTS, Ministerstvo svyazi, SSSR (The  
Technical Department of the GUMTTS of the Ministry of Com-  
munications, USSR)

Card 2/2



LIMOV, M.A.

PHASE I BOOK EXPLOITATION

80V/3800

Moscow. Tsentral'nyy nauchno-issledovatel'skiy institut svyazi

Rukovodstvo po simetrirovaniyu kabely svyazi (Handbook on Balancing of Communication Cables) Moscow, Svyaz'izdat, 1959. 82 p. 7,600 copies printed.

Additional Sponsoring Agency: USSR. Ministerstvo svyazi. Glavnoye upravleniye mezhdugorodnoy telefonno-telegrafnoy svyazi.

Resp. Eds.: M.A. Klimov, and V.O. Shvartsman; Ed.: M.M. Ryasantseva; Tech. Ed.: S.P. Karabilova.

PURPOSE: This handbook is approved by the Ministry of Communications USSR and is intended for technical personnel working with balanced communication cables.

COVERAGE: The handbook describes methods of balancing cables carrying frequencies up to 252kc. This makes it possible to multiplex the cables by means of K-24 and K-60 systems. The handbook discusses methods of balancing cable lines containing audio-frequency and shielded circuits, problems of balancing branch lines, cable inserts (into overhead communication lines) related measurements

Card 1/4

## Handbook on Balancing of Communication Cables

807/3800

and forms of technical documentation. The handbook was compiled by V.S. Shvartsman, senior scientific worker of the cable laboratory of the Central Scientific Research Institute of Communications (Tsentral'nyy Nauchno-Issledovatel'nyy Institut Svyazi) with the assistance of other specialists in this field. Senior Scientific workers V.N. Kulshov and V.S. Malyshev participated in compiling materials concerning audio-frequency cables. There are no references.

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Handbook on Balancing of Communication Cables

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Handbook on Balancing of Communication Cables

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AVAILABLE: Library of Congress (TK5481.R79)	

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JP/m/gmp  
7-19-60

PHASE I BOOK EXPLOITATION

SOV/3858

Yefimov, I.Ye., M.A. Klimov, R.M. Lakernik, and D.L. Sharle

Konstruktivnyye i elektricheskiye kharakteristiki kabeley  
svyazi (Design and Electrical Characteristics of Communication  
Cables) Moscow, Svyaz'izdat, 1959. 541 p. 7,500 copies printed.

Resp. Ed.: P.A. Frolov; Ed.: G.V. Bogacheva; Tech. Ed.:  
S.P. Karabilova.

**PURPOSE:** This monograph is for students specializing in the field of communication cables and for personnel of communication centers and the cable industry who wish to improve their qualifications.

**COVERAGE:** The monograph contains the fundamentals of design and electrical characteristics of Soviet and non-Soviet communication and radio-frequency cables, the properties of their materials, and methods of calculating their design. I.E. Yefimov wrote Ch. II (except Section 8), VI, XIV (together with R.M. Lakernik), and XV; M.A. Klimov wrote Ch. VII, IX (together with D.L. Sharle), X, XIII, and Section 8 of Ch. II.; R.M. Lakernik wrote Ch. IV, V,  
Card 1/7

**Design and Electrical Characteristics (Cont.)**

SOV/3858

XI, XII, and XIV (together with I.E. Yefimov); D.L. Sharle wrote Ch. I, III, VIII, and IX (together with M.A. Klimov). The authors thank P.A. Frolov. There are 157 references: 140 Soviet, 9 English, 7 German, and 1 Swedish.

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PHASE I BOOK EXPLOITATION

SOV/5267

Grodnev, I. I., A. N. Gumelya, M. A. Klimov, K. Ya. Sergeychuk, and  
V. O. Shvartsman

Inzhenerno-tekhnicheskiy spravochnik po elektrosvyazi; kabel'nyye i  
vozdushnyye linii svyazi (Engineering and Technical Manual in  
Electrocommunication; Cable and Overhead Communication Lines)  
[Moscow] Svyaz'izdat, 1961. 558 p. 15,000 copies printed.

Resp. Ed.: K. Ya. Sergeychuk; Ed.: G. V. Bogacheva; Tech. Ed.:  
G. I. Shefer.

**PURPOSE:** This manual is intended for technical personnel engaged in  
planning, building, and operating electrocommunication lines, and  
for students in communication schools of higher technical educa-  
tion.

**COVERAGE:** The manual reviews the systems of arrangement and opera-  
tion of intercity communication lines. Construction data and  
detailed electrical characteristics of symmetrical and coaxial

Card 1/12

Engineering and Technical Manual (Cont.)

SOV/5267

cables and overhead lines are given for a broad frequency spectrum. The book contains the basic definitions and engineering calculation formulas for transmission parameters and for the effect of various types of lines. Problems of protection of communication lines from mutual effects (transposition, balancing, shielding) are examined. Electrical measurements and protective measures against the influence on communication lines of power lines and atmospheric electricity are described. Basic reference data are given for the planning, construction, and operation of intercity electrocommunication lines. No personalities are mentioned. There are 50 references, all Soviet.

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PART I. CABLE COMMUNICATION LINES

Ch. I. Systems of Construction and Operation of Intercity Cable Communication Lines

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7



KLIMOV, M.A., starshiy nauchnyy sotrudnik

Methods for decreasing the effect of radio stations on cable networks.  
Vest. svyazi 23 no.2:14-15 F '68.  
(MIRA 16:2)

1. Tsentral'nyy nauchno-issledovatel'skiy institut svyazi Ministerstva svyazi SSSR.  
(Telephone lines—Noise) (Radio—Interference)

KLIMOV, Mikhail Aleksandrovich; RAZUMOV, Leonid Davydovich;  
POFOVA, N.E., otv. red.; BATHAKOVA, T.A., red.

[Protection of high-frequency cables from the interfering action of electromagnetic fields] Zashchita tsepei vysokochastotnykh kabelei ot meshaiushchego vliiania elektromagnitnykh polei. Moskva, Izd-vo "Sviaz'," 1964.  
68 p. (MIRA 18:1)

GRODNEV, I.I.; GUMEL'YA, A.N.; KLIMOV, M.A.; SERGIYCHUK, K.Ya.;  
SHVARTS'IAN, V.O.; BOSTYKINA, F.G., red.; VOLODARSKAYA,  
V.Ye., red.

[Engineering and technical manual on electrical communi-  
cation; cable and overhead communication lines] Inzhenerno-  
tekhnicheskii spravochnik po elektrosviazi; kabel'nye i  
vozdushnye linii sviazi. Izd. 2., perer. i dop. Moskva,  
Sviaz', 1964. 631 p. (MIRA 17:11)

2331-45 EWT(d)/FSS-2/EC-4/EEC(t) Pn-4/Pp-4/Pac-4  
ACCESSION NR: APS015248

UR/0285/65/000/009/0033/0034

AUTHORS: Kalyushnyy, V. P.; Mikhaylov, M. I.; Prolov, P. A.; Klimov, M. A. 33  
Kashulin, A. A. B

TITLE: Device for suppressing external electromagnetic effects in symmetric circuits of communication lines, Class 21, No. 170549

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 9, 1965, 33-34

TOPIC TAGS: This Author Certificate presents a device for suppressing external electromagnetic effects in symmetric circuits of communication lines, using the inductive noise currents induced in the single or double lead compensation circuits. The device provides compensation of the noise eaf on the port of exposed to the effect and the purpose is preservation of the noise protection of the circuits exposed to the effect, for resistance coupling between the latter and the compensation circuits. The leads are connected in series with an amplifier and phase-shift circuit (see the enclosure). The alternate design uses phase-shift circuit and filters to neutralize noise of various frequencies. Orig. art. diagram.

ASSOCIATION: none

Card 1/3

L 55217-65

ACCESSION NR: AP5015240

SUBMITTED: 08Jun63

ENCL: 01

SUB CODE: EC

NO REF SOV: 000

OTHER: 000

0

Card 2/3

**KLIMOV, M.F., inzhener (stantsia Barabinsk)**

**Advanced methods of dispatcher command on electrified sections.**  
**Zel.dor.transp. 39 no.4:63-67 Ap '57. (MLRA 10:5)**  
**(Railroads--Train dispatching)**

KLIMOV, M.F., insh. (g. Barabinsk)

Change the order of issuing warnings to trains. Zhel. dor. transp. 40  
no.5:81 My '58. (MIRA 11:6)  
(Railroads--Safety measures) (Railroads--Signaling)

KLIMOV, M.F., insh. (g.Barabinsk)

Traffic organization during track repairs. Zhel.dor.transp.  
43 no.6:60-63 Js '61. (MIRA 14:7)  
(Railroads--Maintenance and repair)  
(Railroads--Traffic)



KLIMOV, M. G.

Cand Agr Sci - (diss) "Several procedures for increasing the harvest yield of winter wheat on the basis of non-vapor /ne-parovyy/ precursors in the southern part of the left-bank steppe-forest of the Ukrainian SSR." Voronezh, 1961. 22 pp; (Ministry of Agriculture RSFSR, Voronezh Agricultural Inst); 150 copies; price not given; (KL, 5-61 sup, 197)

KLIMOV, M.G.

Soil moisture and seed germination. Zemledelie 26 no.8:68 Ag '64.  
(MIRA 17:11)

1. Poltavskiy sel'skokhoyaystvennyy institut.

KLIMOV, M. K.

Bumagorezal'naiia mashina "BRZ-120" [BRZ-120" paper-cutting machine].  
Moskva, Glavpoligrafmash, 1953. 32 p.

SO: Monthly List of Russian Accessions, Vol. 6 No. 11 February 1954

KLIMOV, M.M.

Barium-salt bath in a graphite crucible heated by high-frequency currents. *Fron.energ.11 no.3:17-18* Apr '56.  
(Metallurgical furnaces) (MLBA 9:7)

KLIMOV, M.M.

Automatic control system for the thermal treatment of the  
star wheels of combines. Prom. energ. 15 no.8:8-9 Ag '60.

(MIRA 15:1)

(Automatic control)  
(Gearing, Spur)

KLIMOV, M.N.; CHELLINI, B.S., inshener; LANDA, Ye.F., inshener.

New method of joining kersey. Tekst.prom.16 no.11:50-51 N '56.  
(MIRA 9:12)

1. Master kombinata "Trekhgornaya manufaktura" imeni Dshershinskogo (for Klimov).
2. Zavod "Kauchuk" (for Chellini and Landa).  
(Textile printing--Equipment and supplies)

KLIMOV, N.

Shortening the workday and productivity of labor. Vop. ekon.  
no.9:49-57 8 '59. (MIRA 12:12)  
(Labor productivity) (Hours of labor)

SELIYANOV, V.; KLIMOV, N.; PATRUSHEV, V.

Utilization of working time to the fullest extent. Sots. trud.  
4 no. 10:74-84 0 '59 (MIRA 13:3)  
(Labor productivity)



KLIMOV, N.; BULGAKOV, N.

Without tethers. Posh.delo 6 no.10:8-10 0 '60. (MIRA 13:10)

1. Nachal'nik Upravleniya posharnoy okhrany Vladimirovskogo oblispolkoma (for Klimov).
  2. Nachal'nik posharno-isspytel'noy stantsii, Rostov-na-Donu (for Bulgakov).
- (Farm buildings--Fire and fire prevention)

KLIMOV, N., shofer

Our work should bring closer communism of tomorrow. Avt.transp. 39  
no.12:1-2 D '61. (MIRA 15:1)

1. 3-ya avtobaza Moskovskogo oblastnogo transportnogo tresta.  
(Transportation, Automotive)

*BULGARIA*  
VENKOV, L., MAVLOV, L., KLIMOV, N., Epilepsy Study Team, Bulgarian Academy of Sciences; Central Laboratory of Regeneration Problems, Bulgarian Academy of Sciences

"Ribonuclease Activity of Brain Homogenates of Rats with Audiogenic Epilepsy"

Sofia, Doklady Bolgarskoy Akademii Nauk, Vol 19, No 5, 1966, pp 437-440

Abstract: [English article] Audiogenic epilepsy is a form of reflex epilepsy in rats and mice in which the animals susceptible to audiogenic fits transmit this defect as a hereditary trait. Having this hereditary aspect in mind, the authors investigated the RNA-ase system of brain homogenates in rats with audiogenic epilepsy using 19 audiogenic and 29 non-audiogenic rats. When determining the enzyme activity without preliminary treatment with p-chloromercurybenzoate, the brain RNA-ase in rats with audiogenic epilepsy showed a tendency toward higher values than the controls. These differences, although not great, were confirmed in all the experiments. The specimens to which p-chloromercurybenzoate was added so as to reveal the action of the latent RNA-ase by inhibiting the inhibitors of the brain's RNA-ase system showed a levelling of enzyme activity both in the experimental and control animals. Consequently, the tendency towards higher RNA-ase activity in the brain of the rats more susceptible to stimulation was eliminated. There are 4 Soviet and 13 Western references. (Manuscript received, 4 Feb 66.) 1/1

- 4 -

KUZMIN, G.P.; ZHARKOV, M.M., nauchnyy sotrudnik; ZHUKOV, B.A., nauchnyy sotrudnik; KLIMOV, N.A., nauchnyy sotrudnik; LEONT'EV, V.N., nauchnyy sotrudnik; PREDANIN, A.S., nauchnyy sotrudnik

Testing the combined chamber-shield method for mining thick steep coal seams in the "Taybinskaya" Mine. Ugol' 34 no.9:46-50 8 '59. (Min. 12:12)

1. Glavnyy inzhener tresta Kiselevskugol' Kusnetskiy basseyn (for Kus'min). 2. Institut gornogo dela Sibirskogo otdeleniya AN SSSR (for all except Kus'min).  
(Kusnetek Basin--Coal mines and mining)

KLIMOV, Nikolay Andreyevich; BUDARINA, V., red.; DUDNICHENKO, E., mlad-  
shiy red.; MOSKVINA, K., takhm. red.

[The workday in a society building communism] Rabochii den' v ob-  
shchestve, stroiashchem kommunist. Moskva, Izd-vo sotsial'no-ekon.  
lit-ry, 1961. 142 p. (MIRA 14:6)  
(Hours of labor)

MURASHOV, A. M., KLIMOV, N. A.

Gearing

Universal pneumatic and hydraulic drives for machine tool equipment, Stan.  
1 instr. 23 No. 3, 1952.

9. Monthly List of Russian Accessions, Library of Congress, July 1954, Uncl.

MURASHOV, A.M., inzhener; KLIMOV, N.A., inzhener.

Universal power drive and universal machine attachments. [Isd]  
LONITOMASH 25:28-42 '52. (MLRA 8:2)  
(Machine tools)

~~КЛИМОВ, Н. И.~~

25(2)

PHASE I BOOK EXPLOITATION SOV/2202

Murashov, Aleksey Mikhaylovich, and Nikolay Aleksandrovich Klimov

Vysokoproizvoditel'nyye prisposobleniya k metallorezhushchim stankam  
(High-productivity Fixtures for Metal-cutting Machine Tools)  
Moscow, Oborongiz, 1959. 150 p. 11,100 copies printed.

Reviewer: Kh. L. Bolotin, Candidate of Technical Sciences; Ed.:  
V. V. Kuz'min, Engineer; Ed. of Publishing House: E. A.  
Shekhtman; Tech. Ed.: N.A. Pukhlikova; Managing Ed.: A. I.  
Sokolov, Engineer.

**PURPOSE:** The book is intended for designers of manufacturing  
equipment, process engineers, and foremen and workers of lot-  
production plants. It may also be useful to students of ma-  
chine-building vtuzes.

**COVERAGE:** The book summarizes the experience of designers at  
scientific research institutes and plants of the aircraft in-  
dustry in the field of design and installation of high-prod-  
uctivity fixtures for metal-cutting machine tools. The fixtures

Card 1/4



High-productivity Fixtures (Cont.)

SOV/2202

described are universal and are to be used with mechanized snap-action clamping devices. A large-scale grouping of machine parts is presented, and typical fixture constructions for each group are shown. Recommendations are made for testing, setting, and installation of universal fixtures. The following personalities are mentioned: M.I. Gorodnichiy, G.I. Larichev, A. K. Ivanov, A.S. Zakharova, S.I. Kampechev, V.D. Rassadkin, V.I. Fedorov, P.P. Sass, L.Ya. Ivanova, S.L. Goder, G.A. Mametov, A.N. Lebedev. There are no references.

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High-productivity Fixtures (Cont.)

SOV/2202

Ch. XI. Economic Efficiency of Universal Fixtures

147

AVAILABLE: Library of Congress (TJ1187.M8)

Card/4/4

GO/ec  
10-9-59

28(3)

S/028/60/000/ 01/011/033  
DO41/DO02

AUTHOR:

Murashov, A.M., and Klimov, N.A.

TITLE:

Normalized Universal Setting Attachments

PERIODICAL:

Standartizatsiya 1960, Nr 1, pp 34-35 (USSR)

ABSTRACT:

The normalization (standardization)<sup>†</sup> of machine tool attachments goes three ways: 1) normalization of attachment parts; 2) of units, and 3) of the attachment design as a whole. The advantages of standardized attachments are stressed. A special jig (Figure 1) for drilling geometrically similar parts is shown as an example of a machine tool with a basic and an interchangeable part. The basic part consists of the power cylinder and the body, which are used until they are completely worn. The described attachment design principle may be applied for machining any other part groups. The exchangeable parts of the jig are shown in a photo, together with machine

Card 1/2

Normalized Universal Setting Attachments

S/028/60/000/01/011/033  
D041/D002

parts for which they may be used. There are 2  
photographs. ✓

Card 2/2

IL'INOV, S.P.; NOVAK, D.D., kandidat veterinarnykh nauk; LAVRUSHKO, T.A.;  
SHULOV, V.V.; KLIMOV, N.D.

Crowfoot poisoning showing clinical aspects of a bradset-type  
disease. Veterinariia 32 no.3:79-84 Mr '55. (MLRA 8:4)

1. Direktor Yuzhno-Kasakhstanskey NIVOS (for Il'inov). 2. Starshiy  
nauchnyy sotrudnik NIVOS (for Novak). 3. Veterinarnyy vrach NIVOS  
(for Lavrushko). 4. Glavnyy veterinarnyy vrach Chingkentskego uprav-  
leniya sevkhosov (for Shulov). 5. Direktor Chingkentskey meshsevkhoz-  
nyay vetbaklaboratorii (for Klimov).  
(SHEMP--DISEASES) (CROWFOOT--TOXICOLOGY)

*Klimov, N. D.*

COUNTRY : USSR R  
 CATEGORY : Diseases of Farm Animals. Diseases Caused  
 by Helminths  
 ABS. JOUR. : RZhBiol., No. 6 1959, No. 26006  
 AUTHOR : Ul'yanov, S. D.; Klimov, N. D.  
 INST. : Kazakh Scientific Research Veterinary Institute  
 TITLE : Effectiveness of Aminoquinacrine and Tin Arsenate  
 in Intestinal Cestodiasis of Sheep  
 ORIG. PUB. : Tr. Kazakhsk. n.-i. vet. in-ta, 1957, 9, 469-474;  
 ABSTRACT : Aminoquinacrine (I) and tin arsenate (II) were  
 tried on sheep affected with anaplocephalatoses.  
 I was introduced in doses of 0.05, 0.075 and 0.1  
 g/kg with simultaneous administration of Glauber  
 salt in a full or half dose, respectively, with-  
 out a cathartic; II was used in a dose of 0.5 g  
 per head along with administration of the ca-  
 thartic and without it. The best results were

CARD: 1/3

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COUNTRY : USSR R  
 CATEGORY :  
 ABS. JOUR. : RZhBiol., No. 6 1959, No. 26006  
 AUTHOR :  
 INST. :  
 TITLE :  
 ORIG. PUB. :  
 ABSTRACT : obtained from I in doses of 0.075 and 0.1 g/kg;  
 cont'd. intensity effectiveness attained 73.7% in avi-  
 tellinosis, 76% in thysanioziasis, and 92% in  
 monieziasis. The cathartic increased the ant-  
 helminthic effect of I. II without the cathartic  
 exhibited rather low effectiveness, but with  
 administration of the cathartic it increased.  
 In avitellinosis, the intensity effectiveness  
 amounted to 59.7%, in thysanioziasis 68.2%,  
 and in monieziasis 73.7%. The authors recommend

CARD: 2/3

ABS. JOUR. : RZhBiol., No. 6 1959, No. 26006

AUTHOR :  
INST. :

KLIMOV, N. I.

"Study of the Weight-Bearing Capacity of Compressed Rods  
Made of NL-2 Steel." Cand Tech Sci, Central Sci Res Inst of  
Structural Design, Moscow, 1954. (KL, No 7, Feb 55)

SO: Sum. No. 631, 26 Aug 55-Survey of Scientific and Technical  
Dissertations Defended at USSR Higher Educational Institutions  
(14)



KLIMOV, N.I., inzhener; VOL'SKIY, S.A., inzhener

Mechanization of lining removal in electric arc furnaces. Stal'  
15 no.9:807-810 S'55. (MIRA 8:12)

1. Zavod "Dneprospetsstal"  
(Electrometallurgy--Equipment and supplies)

SOV/124-57-7-8244

Translation from: Referativnyy zhurnal. Mekhanika. 1957, Nr 7, p 121 (USSR)

AUTHORS: Gemmerling, A. V., Klimov, N. I.

TITLE: Carrying Capacity of Centrally and Eccentrically Compressed Rods of NL2 Brand Steel (Nesushchaya sposobnost' tsentral'no i vnetsentrenno szhatykh sterzhney iz stali marki NL2)

PERIODICAL: V sb.; Issledovaniya po stal'nym konstruktsiyam. Moscow, 1956, pp 68-96

ABSTRACT: Studies are conducted on the stability of pin-jointed compressed prismatic rods of NL2 steel subjected to flexure in the plane of the applied forces which coincides with the plane of symmetry. The assumptions of Ježek (K. Ježek, Stahlbau, 1933) are adopted (conservation of the normals, idealized stress-strain diagram, sinusoidal semi-wave flexure pattern, and the substitution of the curvature by the second derivative). A cross section consisting of three rectangles is studied. Under unilateral yield the criterion of the loss of stability is expressed in the form of

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$$\frac{dM}{da} = \frac{dM_e}{da} \quad (*)$$

SOV/124-57-7-8244

Carrying Capacity of Centrally and Eccentrically Compressed Rods (cont.)

where  $M$  and  $M_e$  correspondingly are the internal and the external moments of forces in the central cross section respectively, and  $a$  is the cross-sectional depth of the elastic band. Under the given assumptions expression (\*) is known to be equivalent to the condition of a stationary magnitude of the compression force (see RZhMekh, 1957, abstract 941). Tables are given for the values of  $\phi = \sigma_{crit} / \sigma_t$  for a number of different types of cross sections. Test-result data are given for 14 types of wide-flange beams. Flexotorsional loss of stability was observed with an eccentric application of force to the plane of the web. The difference between the theoretical and the experimental results for the application of the eccentric force to the plane of least stiffness did not exceed 10%.

B. M. Broude

Card 2/2

Klinov, N. I.

Klinov, N. I. "The state of geological investigation of the territory of Western Kazakhstan" (From a speech at the 4th (Gur'yev) session of the Academy of Sciences of the Kazakh SSR), Vestnik Akad. nauk Kazakh, SSR, 1949, No. 2, p. 31-34.

So: U-3261, 10 April 53, (Letopis 'Zhurnal 'nykh Statey, No. 12, 1949).