

VIKOROV, YE. N.

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Resolving power of photoemulsion for electron beams.
N. G. Sushkin and Ye. N. Viktorov (V. M. Mininoy Energetics
Inst., Moscow) *Izv. Akad. Nauk S.S.S.R., Ser. Fiz.*
15, 403-8 (1951). — The resolving power of plates is impor-
tant if the magnification of the microscope is to be extended
by enlargement. Three methods were investigated: (1) Colloidal Ag particles of 0.9-0.017 μ were (a) magnified
electronically to 4000 times and then optically 30 times, (b)
electronically to large magnification. (2) The blackening
produced by a 6×10^{-4} spot, deflected by magnetic and elec-
tronic fields, was measured. (3) The silica skeleton of the diatom
Gyrodinium acuminatum was taken as a standard. The open-
ings on this skeleton are 0.346 μ in diam. Method (3) was
selected as best. Four types of plates were investigated for
resolution in light rays and electron beams of 30, 45, 50,
and 72 kv. It is shown that the resolution for electron
beams of 30 kv. is higher than the resolution for light beams
(68-161 lines/mm. against 50-120 lines) but this resolution
decreases to $\sim 1/4$ at 72-kv. anode voltage. S. Pakswar

VTOROV, YE. N.

N. G. SUSHKIN, I. A. KOVNER, YE. N. VTOROV

"Electron Sensitometry," *Izvestiya Akad Nauk USSR, Ser Fiz*, 15: 395-402, No. 4, 1951

The over-all quality of this work appears to be satisfactory; it is a straight-forward job and involved no particular ingenuity since many other people have made similar measurements of electron sensitivity of emulsions. The results agree in general with those obtained by previous workers. The work was carried out on a regular electron microscope and required only familiarity with the operation of this instrument. Presumably the authors have had previous experience on the electron microscope.

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VTOROV, YE. N.

A. G. SUSHKIN and E. N. VTOROV

"Resolving Power of Photographic Emulsions for Electron Beams," Izvestiya Akad Nauk USSR, Ser Fiz 15: 403-409, 1951,

This work deals with an important question, both from a theoretical and practical standpoint, upon which there is very little literature of any merit. It shows considerable originality and ingenuity. One very basic experimental consideration is completely ignored in the report and would make the results absolutely unreliable if no adequate provisions were made to eliminate this variable. Except for this factor, the work is reasonably, though not extraordinarily, thorough. The authors appear to be more experienced in the field of the physics of the photographic image than in electron microscopy, though they seem to exhibit an adequate familiarity with the operational features and the literature on the microscope.

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VTOROV, Ye. N.

USSR/Electronics - Photography

Jul/Aug 51

"Electronic Sensitometry," N. G. Sushkin, I. A. Kovner, Ye. N. Vtorov, Moscow Inst of Power Eng imeni Molotov

"Is Ak Nauk SSSR, Ser Fiz" Vol XV, No 4, pp 395-402

Subject deals with quant photographic properties of materials. Investigated 12 types of Russian-made plates; and plotted curves of emulsion sensitivity vs charge density. Tabulates electronic parameters of plates. Authors are grateful to V. A. Fabricant and K. S. Bogemolov for advice.

PA 195138

USSR/Electronics - Photography Jul/Aug 51

"Resolving Power of Photoemulsion for Electron Rays," N. G. Gushkin, Ye. N. Vtorov, Moscow Inst of Power Eng Iment Molotov

"Iz Ak Nauk SSSR, Ser Fiz" Vol XV, No 4, pp 402-407

Russian-made electron microscopes provide medium magnification and further optical magnification of photographic plates requires good resolving power. Methods applied for measurements of resolving power of photoemulsion are those by

195T39

USSR/Electronics - Photography Jul/Aug 51 (Contd).

B. Borries (Zs fuer Physik, 122, 1944 and 119, 1942) and by M. Ardenne (Elektronenthermikroskopie, Berlin, 1940). Results tabulated.

195T39

VTOROV, Ye. N.

FA 195T39

LEVIT, G.T., inzh.; VTOROV, Ye.P., inzh.; MASLYAYEV, A.S., inzh.;
DUDOROV, Yu.D., inzh.

Burning of Ekibastuz coal in furnaces with hammer mills. Elek.
sta. 34 no.8:8-13 Ag '63. (MIRA 16:11)

35

Handwritten mark

The development of a quick method of determination of activity of polymerization of rectified butadiene. R. Vtorova. *Caoutchouc and Rubber* (U. S. S. R.) 1957, No. 4, 107. --Small samples of liquid butadiene were polymerized at 01° in a sealed glass ampule of 200 cc. capacity in the presence of 0.5% Na and the times of polymerization were detid. Different samples polymerized in different times. A. Pestoff

METALLURGICAL LITERATURE CLASSIFICATION

FROM BOWLING

SUBJECT CODE ONLY 181

L 38201-66 EWT(1) IJP(c) CC

ACC-NR: AP6022041

SOURCE CODE: UR.0120/66/000/003/0223/0224

AUTHOR: Vtorov, Ye. P.; Dmitrenko, I. M.ORG: Physico-Technical Institute of Low Temperature, AN UkrSSR, Khar'kov
(Fiziko-tehnicheskii institut nizkikh temperatur AN UkrSSR)TITLE: Superconducting bolometric^{SB} current modulator

SOURCE: Pribory i tekhnika eksperimenta, no. 3, 1966, 223-224

TOPIC TAGS: dc amplifier, bolometer, bolometric modulator, superconductivity

ABSTRACT: An amplifier is described which is intended for measuring extremely small (10^{-11} v) voltages produced by low-resistance (0.1 ohm) sources; the instrument uses a film modulator whose superconductivity is destroyed, at a preset frequency, by means of periodic illumination. The instrument uses standard electronic components and is claimed to be simpler than previously known d-c amplifiers (e.g., I. M. Templeton, J. Scient. Instr., 1955, v. 32, 314). A block diagram of the amplifier and a sketch of the low-temperature part of the device are shown. The new instrument was used for measuring variation in resistance with temperature (range, 2-3.5K) of a large-crystal specimen of very pure cadmium ($R_0/R_{293} = 1.1 \times 10^{-5}$). "The authors wish to thank I. Kh. Albegova and T.P. Boyko for their assistance in the work". Orig.art.has: 4 figures. [03]

SUB CODE: 09 / SUBM DATE: 20May65 / ORIG REF: 002 / OTH REF: 002! ATD PRESS: 5044

Card 1/1 MLP

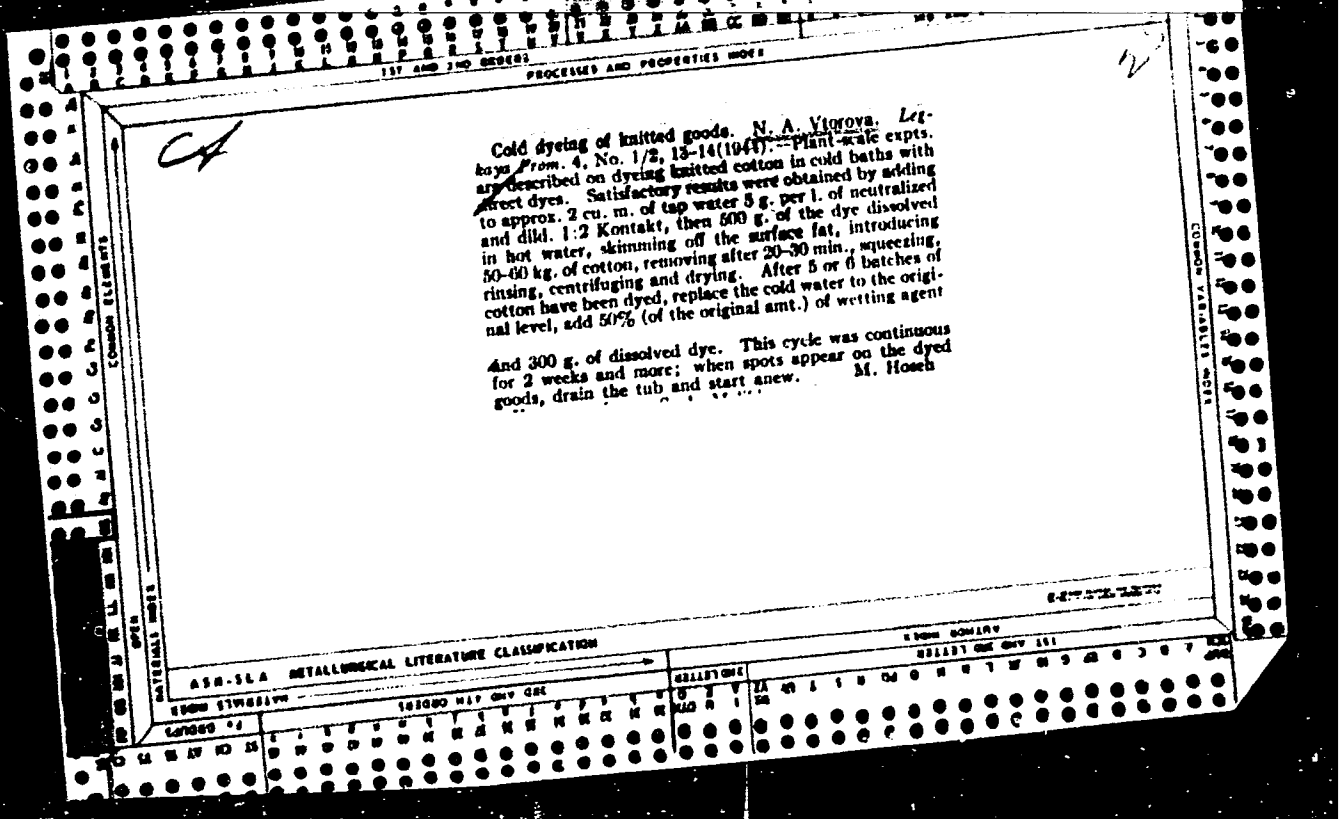
UDC: 621.317.745.4

BA

Determination of water in rectified butadiene. P. I. Vtorop. *Soviet. Nauchn 1926, No. 4, 29-31.* *Freezing method.*—A sealed ampule with a sample of butadiene (I) was heated at 45° for 15 min. while shaking constantly. It was quickly transferred into a receptacle whose temp. was lower than 45°, and it was kept there for 5 min. Afterward the ampule was transferred into another receptacle whose temp. was still lower, etc., till a turbidity in the ampule was observed. Then a line was plotted, showing the relation of the temp. of the appearance of turbidity to the water concn. in I. The max. concn. of water cannot be higher than 0.05%, which is the satn. point, after which point the temp. at the appearance of turbidity did not increase with the increase of water concn., but remained const. The presence of ether lowers the temp. of the appearance of turbidity and the presence of EtOH increases the soly. of water in I. *Columnar side method.*—The I was condensed in an ampule to which was added 0.1 g. of finely ground CaC₂, and the whole was shaken for 5-10 min. Then the mixt. was evapd. and the vapors were led through a flask contg. Hoosway's reagent (cf. C. A. II, 1114). The C₂Cu₂ formed was filtered, washed twice with slightly ammoniacal water, and then with water. The residue was transferred to a weighed crucible and treated with a few drops of concd. HNO₃ to decompose C₂Cu₂. The residue was ignited to a const. wt. The CuO was weighed and H₂O calcd. NH₄OH HCl used in the Hoosway reagent was of

the acidity not higher than 0.18-0.04 cc. of 0.1 N KOH per 1 cc. of N soln. of NH₄OH.HCl. The accuracy is 0.014%. This method can be used to det. water from 0.02% and up. Time of analysis 3-3.75 hrs. *Acetylchloride method* (cf. C. A. 20, 3040). The results were high. Four references. A. Pestoff

ASH 55A METALLURGICAL LITERATURE CLASSIFICATION



VTORUSHIN, A.V.; YEGOROVA, N.A.; OBTNIN, N.F.

Chromium in bean-conglomerate iron ores in the Serov deposit
(Northern Urals). Izv. vys. ucheb. zav.; geol. i rav. 4
no.4:79-85 Ap '61. (MIRA 14:6)

1. Sverdlovskiy gornyy institut imeni V.V.Vakhrusheva.
(Serov region (Sverdlovsk Province)--Iron ores)
(Chromium)

GLADKOVSKIY, A. K., SHAROVA, A. K., VTORUSHIN, A. V.

Turgay Straits - Petrology Rocks-igneous

Age of the igneous rocks in the central part of the Turgay Straits. Dokl. AN SSSR 83, No. 1, 1952. Ural'skiy Gosudarstvennyy Universitet im. A.M. Gor'kogo. Rcd. 8 Dec. 1951

SO: Monthly List of Russian Accessions, Library of Congress, August ² ~~1952~~, Uncl.

SABAYEV, S.V., inzh.; KALYUZHNYI, G.A., inzh.; VTORUSHIN, F.S., tekhnik
APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001961220012-7"

Manufacture of mesh-reinforced concrete arches (shells) with a two-way curvature in Novosibirsk. Bet. i zhel.-bet. no.10:465-467 0 '61. (MIRA 14:12)

(Novosibirsk--Roofs, Shell)

54100
15.9201

16295
S/190/62/004/004/011/019
B117/B138

AUTHORS: Asimova, R. M., Kozlov, P. V., Kargin, V. A., Vtorygin, S. M.
TITLE: Plasticization of polymers with high-molecular compounds
PERIODICAL: Vysokomolekulyarnyye soyedineniya, v. 4, no. 4, 1962, 554-559

TEXT: The effect of high-molecular plasticizers (butadiene nitrile rubber CKH-40(SKN-40) on the temperatures of polymer transitions and their mechanical properties were studied. Cellulose acetate butyrate with brittle point of 130°C was used as the polymer. Polymer and plasticizer were mixed in chloroform, the plasticizer concentration having been changed over a wide range. Thermomechanical tests were conducted on samples ranging from pure polymer to pure plasticizer. In the case of compatibility of the two components, the brittle point was found to be strictly proportional to the part by volume of the plasticizer in the system, i. e. interpacket plasticization of the polymer takes place here. The development of such homogeneous systems was observed only for very small amounts of plasticizer (1-10%), and very large ones (90-98%). Microheterogeneous mixtures formed in the remaining concentration range. With a plasticizer concentration of 10-30%,

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B117/B138

Plasticization of polymers...

the brittle point at first remained constant, which is characteristic of interpacket plasticization. At a concentration above 30%, the system began to become heterogeneous. With a plasticizer content of 40-80%, the brittle points of the two components appeared separately on the thermo-mechanical curves. The temperature transitions of plasticized cellulose acetate butyrate, hardened butadiene nitrile rubber, and their mixtures evidently correspond to these brittle points. Films of cellulose acetate butyrate with different plasticizer concentration were used for dynamometer tests. An increase of the plasticizer content up to 50% did not increase the relative elongation of the samples, but did reduce their tensile strength sharply. The low mechanical strength of plasticized samples is probably due to a microheterogeneity of the system. With a high rubber content (70% by weight) the samples behave like rubber. Calculation of the modulus of elasticity and study of its dependence on the plasticizer concentration produced the following result: When introducing small amounts of rubber, the modulus of elasticity of the polymer is reduced, and remains constant and sufficiently high up to a 60% plasticizer concentration. With a rubber content of 70% the modulus of elasticity of the polymer becomes equal to that of the high-polymer plasticizer. By using high-polymer

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Plasticization of polymers...

S/190/62/004/004/011/019
B117/B138

plasticizers materials with sufficiently high modulus of elasticity may be obtained. The mechanical properties required can, however, only be obtained if homogeneous systems form from polymer and plasticizer, which requires compatibility of both components. Noncompliance with this condition leads to the development of a heterogeneous system and embrittlement of the material. There are 5 figures.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova
(Moscow State University imeni M. V. Lomonosov)

SUBMITTED: March 15, 1961

Card 3/3

X

L 22443-66 EWT(m)/EWP(j) IJP(c) WW/RM
ACC NR: AP6006360 (A) SOURCE CODE: UR/0413/66/000/002/0095/0095

AUTHOR: Pashchenko, D. I.; Vtorygin, S. M.; Kleymenov, N. A.;
Markevich, A. M.; Volokhonovich, I. Ye.; Nogosov, E. F.; Zorina, L. B. 3/2

ORG: none

TITLE: Preparation of polytetrafluoroethylene, Class 39, No. 178104
[announced by Institute of Chemical Physics, AN SSSR (Institut
khimicheskii fiziki AN SSSR)] 15

SOURCE: Izobreteniya, promyshlennyye obraztzy, tovarnyye znaki, no. 2,
1966, 95

TOPIC TAGS: polytetrafluoroethylene, polymerization, polymerization
initiator

ABSTRACT: A method of preparing polytetrafluoroethylene through poly-
merization of tetrafluoroethylene under ultraviolet light in the
presence of initiators is described. In order to obtain polymers with
an extensive surface area, perhalogenated freons are proposed for use
as initiators. [LD]

SUB CODE: 071

SUBM DATE: 22Feb65/

Card 1/1 *HW*

UDC: 678.743.41.002.2 2

ASIMOVA, R.M.; KOZLOV, P.V.; KARGIN, V.A.; VTORYGIN, S.M.

Plasticization of polymers by high molecular compounds.
Vysokom.sped. 4 no.4:554-559 Ap '62. (MIRA 15:5)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.
Lomonosova.

(Polymers) (Plasticization)
(Macromolecular compounds)

BARKOVSKIY, V.F.; VTORYGINA, I.N.

Use of photoelectrocolorimeters with optical compensation in the differential method of spectrophotometry. Zhur.anal.khim. 17
no.1:39-42 Ja-F '62. (MIRA 15:2)

1. A.M.Gorky Ural State University, Sverdlovsk.
(Spectrophotometry)

BARKOVSKIY, V.F.; VTORYGINA, I.N.

Determination of nickel in steels by differential photometry.
Zav.lab. 28 no.3:275-276 '62. (MIRA 15:4)

1. Ural'skiy gosudarstvennyy universitet imeni A.M.Gor'kogo.
(Nickel--Analysis) (Steel--Analysis)
(Photometry)

BARKOVSKIY, V.F.; VTORYGINA, I.N.

Determination of large amounts of manganese in steels by the differential photometry method. Zhur.anal.khim. 17 no.7:865-867 0 '62. (MIRA 15:12)

1. A.M.Gorky Ural State University, Sverdlovsk.
(Manganese—Analysis) (Steel—Analysis)

USSR/Diseases of Farm Animals - General Problems.

R-1

Abs Jour : Ref Zhur - Biol., No 4, 1958, 16900

Author : Vtorygina, O.A., Vitayeva, R.N.

Inst : Bashkir Agricultural Institute.

Title : On the Use of Ultrahigh Frequency in Certain Inflammatory Processes.

Orig Pub : Tr. Bashkirsk. s.-kh. in-ta 1956, 7, 216-220

Abstract : The authors report on the effectiveness of UHF therapy and on its use in combination with pharmaceutical preparations in the treatment of catarrhal and purulent laryngopharyngitis and inflammations of sub-maxillary lymphatic nodes in horses and dermatitis in dogs. -- T..A. Sorokina.

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- 1 -

TIMOFIYEV, V.M., kand.tekhn.nauk; VTORYKH, G.T., inzh.; SEROV, S.I., inzh.
SAVEL'YEV, V.A., inzh.

Semiautomatic production line for the manufacture of panel doors.
Der.prom. 9 no.12:17-19 D '60. (MIRA 13:12)
(Assembly-line methods) (Doors)

PROCESSES AND PROPERTIES INDEX

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ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

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VTYURIN, A.I.

Calculating the longevity of parts of the drilling rig hoisting
mechanism. Izv. vys. ucheb. zav.; neft' i gaz 5 no.7:101-107
'62. (MIRA 16:7)

1. Groznenskiy neftyanoy institut.
(Hoisting machinery)

VTYURIN, A.I.

Calculating silent closing of piston pump valves. Izv. vys.
ucheb. zav.; neft' i gaz 5 no.3:109-113 '62. (MIRA 16:8)

1. Groznenskiy neftyanoy institut.

VTYURIN, A.J.

Calculating the longevity of the parts of a hoisting mechanism
in a device for underground well repairing. Izv. vys. ucheb.
zav.; neft' i gaz 6 no.8:97-98 '63. (MIRA 1716)

1. Groznenskiy neft'yancy institut.

VYURIN, A. I., CHEGODAYEV, A. M. I

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VYURIN, A. I., CHEGODAYEV, A. M. I —O Priprátete Akademika A. P.
Germana V Dokazatel'stvo Zakona "O Sovnectednosti Effektivnykh Kharakteristik
Tsentrobeznykh pagnetateley. Gornyy Zhurnal, 1949, o. 8. S. 16-17.

Sor: Letopis', No33, 1949

VTYURIN, N.I.

AID P - 1342

Subject : USSR/Engineering

Card 1/1 Pub. 78 - 5/30

Author : Kas'yanov, V. M. and Vtyurin, A. I.

Title : Starting-stress calculation of sleeve couplings
used for well casings.

Periodical : Neft. khoz., v.32, #12, 15-16, D 1954

Abstract : The authors comment on V. I. Tarasevich's article
published in this magazine, April 1953, concerning
the use of F. I. Yakovlev's formula for the
determination of the "starting stress" in the
thread of sleeve couplings. Two drawings.

Institution: None

Submitted : No date

VTZURIN, A. I.

"Fundamentals of the Theory of Drill Lowering with the Use of a Band Brake."
Moscow Order of Labor Red Banner Petroleum Inst imeni Academician I. M. Gubkin, Moscow, 1955
(Dissertation for the Degree of Candidate of Technical Sciences)

SO: Knizhnaya Letopis', No. 32, 6 Aug 55

VTYURIN, B. A., SHUMSKIY, Petr Aleksandrovich,

"Underground ice"

report to be submitted for the Intl. Conference on Permafrost, Purdue Univ.,
Lafayette, Indiana, 11-15 Nov 63

KUPRINA, N.P.; VTYURIN, B.I.

Stratigraphy and cryogenic features of Quaternary sediments in the
Yana Valley. Izv. AN SSSR. Ser. geol. 26 no.5:76-87 My '61.

(MIRA 14:5)

1. Geologicheskii institut AN SSSR i Institut merzlotovedeniya
AN SSSR, Moskva.

(Yana Valley (Yakutia)—Geology, Stratigraphic)

VTYURIN, B.I.

Origin of underground ice beds in the region of the village of
Anadyr'. Probl.Sev. no.3:60-65 '59. (MIRA 13:4)

1. Institut merzlotovedeniya im. V.A.Obrucheva AN SSSR.
(Anadyr' region--Frozen ground)

VTYURIN, B.I., kand.geograf.nauk

Buried pingo. Priroda 50 no. 3:107 Mr '61.

(MIRA 14:2)

1. Institut merzlotovedeniya AN SSSR, Moskva.
(Tumara Valley--Frozen ground)

26-58-4-13/45

AUTHOR: Vtyurin, B.I., Candidate of Geographical Sciences

TITLE: A Study of the Ice-Covered Shores and Icebergs in Antarctica (Izucheniye ledyanykh beregov i aysbergov v Antarktike)

PERIODICAL: Priroda, 1958, Nr 4, pp 59-63 (USSR)

ABSTRACT: The author spent the winter of 1956/57 with glaciologists L.D. Dolgushin, A.P. Kapitsa and Yu.M. Model' in Antarctica studying the ice-covered shores of the Davis Sea and the adjacent area. The scientists covered an area from 74° to 111° east latitude and noted the following ice formations of independent character. The Antarctic glacial cover is the most magnificent glacial formation on earth, covering about 13 million sq km. Shelf glaciers are comparatively frequent. They are wide, moderately-high formations consisting of recongealed firn. The ice caps are in their forms similar to those of the Arctic. They are low, independent glacial formations topping elevated portions of dry land or underwater banks. Drifted glaciers (completely independent glacial formations) are widely spread along the edge of the Antarctic ice coat and consist of

Card 1/2

26-58-4-13/45

A Study of the Ice-Covered Shores and Icebergs in Antarctica

recongealed firn and layers of infiltrated ice. Many Antarctic glacier formations move towards the coast and discharge broken-off masses into the sea where these icebergs float in the vicinity of the shore. They are often stopped by underwater ridges and then form entire iceberg belts or "ice fjords".

There are 3 photos.

ASSOCIATION: Institut merzlotovedeniya imeni V.A. Obrucheva Akademii nauk SSSR (Moskva) (Institute for the Study of ~~Permafrost~~ imeni V.A. Obruchev of the USSR Academy of Sciences (Moscow)

AVAILABLE: Library of Congress

Card 2/2 1. Ice-Antarctic regions 2. Antarctic regions-Geophysical factors

VEL'MINA, N.A., kand.tekhn.nauk, otv. red.; VTYURIN, B.I., kand.
geogr. nauk, otv. red.; KUDASHEVA, I.G., red.izd-va;
UL'YANOVA, O.G., tekhn.red.

[Geocryological conditions in Western Siberia, Yakutia and
the Chukchi Peninsula] Geokriologicheskie uslovia Zapadnoi
Sibiri, Iakutii i Chukotki. Moskva, Izd-vo "Nauka," 1964.
138 p. (MIRA 17:3)

1. Akademiya nauk SSSR. Institut merzlotovedeniya.

VITYURIN, B.I.; KOREYSHA, M.M., otv. red.; KUDASHEVA, I.G., red.
izd-va; TIKHOMIROVA, S.G., tekhn. red.

[Cryogenic structure of Quaternary sediments as revealed
by a study in the Anadyr Lowland] Kriogennoe stroenie
chetvertichnykh otlozhenii (na primere Anadyrskoi nizmen-
nosti). Moskva, Izd-vo "Nauka," 1964. 150 p.

(MIRA 17:3)

VTYURIN, B.I.; GASANOV, Sh.Sh.

Cryopedologic-facies method and its significance. Trudy Inst.
meral.AN SSSR 18:103-107 '62. (MIRA 16:2)
(Cryopedology)

VTYURIN, B.I.; GASANOV, Sh.Sh.

History of the formation of permanently frozen ground in the
lower Anadyr Lowland. Trudy Inst.merzl.AN SSSR 18:72-84 '62.
(MIRA 16:2)

(Anadyr Lowland--Frozen ground)

VITYURIN, B.I.

Features of the cryological structure of loose deposits in the
Tumara Basin. Trudy Inst. merzl. AN SSSR 17:34-38 '61.
(MIRA 15:2)
(Tumara Valley--Frozen ground)

VTYURIN, B.I. 12-90-2-2/30

AUTHOR: Dolgushin, L.D.; Vtyurin, B.I.; Model', Yu.M.; and Kapitsa, A.P.

TITLE: The Preliminary Results of the Glaciological Investigations of the First Soviet Continental Expedition to the Antarctic (Predvaritel'nyye rezul'taty glyatsiologicheskikh issledovaniy pervoy sovetskoy kontinental'noy ekspeditsii v Antarktide)

PERIODICAL: Izvestiya Vsesoyuznogo Geograficheskogo Obshchestva, 1958, Vol 90, Nr 2, pp 118-133 (USSR)

ABSTRACT: The USSR Academy of Sciences undertook an Antarctic expedition in 1956 - 57. The coast of the Antarctic continent between 74° and 110° (eastern longitude) was explored for a distance of 2,000 km. Investigations included aerial observations over a total distance of 50,000 km. The authors give detailed descriptions of glaciological investigations which were concentrated on the following subjects: 1) the ice cover and glacier morphology in the eastern Antarctic according to topography, increase and decrease of glaciers; 2) the snow-accumulation processes, the dynamics, nature and properties of the snow cover; 3) the temperature conditions of snow, ice and upper layer of the Earth crust; 4) the composition and structure of the ice covers and shelf glaciers; 5) the thickness of ice covers, shelf

Card 1/2

12-90-2-2/30

The Preliminary Results of the Glaciological Investigations of the First Soviet Continental Expedition to the Antarctic

glaciers and ice domes; experimental ice borings; 6) glacier movement speeds, iceberg formation processes and geological activity of glaciers. There are 6 photographs, 1 map and 5 schematic drawings.

AVAILABLE: Library of Congress

Card 2/2 1. Geophysics 2. Ice-Antarctic-USSR 3. Snow-Antarctic-USSR

~~VYURIN~~, B.I., kand. geograf. nauk

Structure of yearly marine land floe in Eastern Antarctica.
Inform. biul. Sov. antark. eksp. no.4:55-60 '59. (MIRA 12:11)

1. Institut merzlotovedeniya AN SSSR.
(Antarctic regions--Ice)

VTYURIN, B.I.

Some geomorphological terms in cryopedology. *Mat.k osn.uch.o merz.*
zon.zem.kory no.3:126-134 '56. (MIRA 13:9)
(Frozen ground--Terminology)

VTYURIN, B.I.; VTYURINA, Ye.A.

Winter observations on the formation and behavior of frost
cracks in ice wedges. Trudy Inst.merz1.AN SSSR 16:98-105
'60. (MIRA 13:4)
(Kazach'ye region--Frozen ground)

VTYURIN, B.M.

Distribution of labeled vitamin B₁₂ in different organs and its excretion from the organism in experimental fractures. Vit. res. i ikh isp. no.5:256-260 '61. (MIRA 15:1)

1. Kafedra meditsinskoy radiologii Tsentral'nogo instituta usovershenstvovaniya vrachey, Moskva.
(CYANOCOBALAMINE) (FRACTURES)

VTYURIN, B.M.

Use of radioactive isotopes in the diagnosis of malignant tumors
of the thyroid gland. Med.rad. 10 no.3:83-87 Mr '65. (MIRA 18:6)

1. Institut meditsinskoy radiologii (dir. - deystvitel'nyy chlen
AMN SSSR prof. G.A.Zedgenidze) AMN SSSR, Moskva.

BAL'SEVICH, S.Ya.; VTYURIN, B.M.

P32-treatment of vascular complications of erythremia. Med.rad.
9 no.9:22-26 S '64. (MIRA 18:4)

1. Kafedra rentgenologii i radiologii (zav. - prof. I.A.Shekhter)
Moskovskogo meditsinskogo stomatologicheskogo instituta i Instituta
meditsinskoy radiologii AMN SSSR.

VTYURIN, B.V.

Electron microscopic study of the restorative processes in the liver after a burn injury. Eksper. Khir. i anest. 9 no.4:52-57 (MIRA 18:3) J1-Ag '64.

1. Otdel patologicheskoy anatomii (zav. - prof. D.S. Barkinov) Instituta khirurgii imeni Vishnevskogo (dir. - deystvitel'nyy chlen AN SSSR prof. A.A. Vishnevskiy) AN SSSR, Moskva.

SARKISOV, D.S.; VTYURIN, B.V.

Electron-microscopic findings on regeneration. *Eksp. khir.*
i anest. 9 no.5:3-8 S-O '64. (MIRA 18:11)

1. Institut khirurgii imeni A.V.Vishnevskogo (direktor -
deystvitel'nyy chlen AMN SSSR prof. A.A.Vishnevskiy) AMN SSSR,
Moskva.

OVCHINNIKOV, N.M., prof.; VTYURIN, B.V.

Certain structural characteristics of *Treponema pallidum* in
electron microscopic observation. Vest.derm.i ven. 35 no.4:
48-52 Ap '61. (MIRA 14:5)

(TREPONEMA PALLIDUM)

OVCHINNIKOVA, N.M., prof.; VTYURIN, B.V.

Gonococcus in the electron microscope. Vest.derm.i ven. no.8:
48-49 '61. (MIRA 15:5)

1. Iz Tsentral'nogo nauchno-issledovatel'skogo kozhno-venerologicheskogo instituta (dir. - kand.med.nauk N.M. Turanov) Ministerstva zdravookhraneniya RSFSR.
(NEISSERIA GONORRHOEAE)

L 43104-65

ACCESSION NR: AR5008615

S/0299/65/000/004/M020/M020

SOURCE: Ref. zh. Biologiya. Svodnyy tom, Abs. 4M109

AUTHOR: Sarkisov, D. S. ; Vtyurin, B. V.

TITLE: Regeneration on the basis of electron microscopic data

CITED SOURCE: Eksperim. khirurgiya i anesteziol., no. 5, 1964, 3-8

TOPIC TAGS: tissue regeneration, cellular regeneration, electron microscopy, cell structure, pathology, intracellular hyperplasia

TRANSLATION: The authors review the significance of electron microscopy as a method for studying the pathological changes in tissues and revealing the complexity and specificity of intracellular regenerative processes take

Card 1/2

L 43104-65

ACCESSION NR: AR5008615

the existence of unity of form and function in various pathological states. L. Liozner

SUB CODE: LS

ENCL: 00

Card

2/2

VIYURIN, N. I.

VIYURIN, N. I. -- "Investigation of the Temperature Dependence Hysteresis Losses in Rotating Magnetic Fields." Sub 4, Dec 52, Moscow: Central Pedagogical Inst. (Dissertation for the Degree of Candidate in Physico-mathematical Sciences).

SO: Vechernaya Moskva January-December 1952

VTYURIN, N. I.

Thermomagnetism

Temperature function of hysteresis losses in rotating magnetic fields. Izv. AN SSSR Ser. fiz. 16, No. 6, 1952.

Investigated hysteresis losses in single crystals of Ni in rotating magnetic fields from 100 to 11,000 oersteds and temp dependence of hysteresis losses in range from 90° to 523° K by means of remote recorder in photofilm. Results are plotted in curves and agree with those by L. V. Kirenskiy (Trudy SFTI, 28, 1949). Indebted to L. V. Kirenskiy and B. F. Tsomakion.

251T31

Monthly List of Russian Accessions, Library of Congress
June 1953. UNCL.

VTYRIN, N.I., DROYKYN, A.I., IVLEV, V.F., TUKALOV, R.I., KYRENSKIY, L.V., VLASOV, A.I.

"The Temperature and Rotation Hysteresis in Ferromagnetic materials"
Krasnoyarsk

Conference on Physics of Magnetic Phenomena,
May 1956, Sverdlovsk, USSR

VITYURIN, N. I., VLASOV, A. I., KIRENSKIY, L. V., DROKYN, A. I., IVLEV, V. F.,
and TUKALOV, R. I. (Krasnoyarsk)

"The Temperature and Rotation Hysteresis in Ferromagnetic Materials,"
a paper submitted at the International Conference on Physics of Magnetic
Phenomena, Sverdlovsk, 23-31 May 56.

VTYURIN, N. I.

AUTHORS: Kirenskiy, L. V., Vlasov, A. Ya., Vtyurin, N. I. 48-9-12/26
Drokin, A. I., Ivlev, V. F., TukaLov, R. I.

TITLE: Note on the Temperature- and Circular-Hysteresis in Ferromagnetic
Substances (Temperaturnyy i vrashchatel'nyy gisterezis v ferromag-
netikakh).

PERIODICAL: Izvestiya AN SSSR Seriya Fizicheskaya, 1957, Vol. 21, Nr 9,
pp. 1262-1267 (USSR.).

ABSTRACT: In this paper experimental investigations were conducted of: 1) The
temperature hysteresis of magnetization according to the B-cycle
(cooling-heating) (TMH), 2) the temperature hysteresis of magneto-
striction (TMH), 3) the temperature hysteresis of the galvanomagne-
tic effect (THGE) according to the A-cycle (heating-cooling), 4)
the phenomenon of the "circular" hysteresis of magnetostriction was
established and investigated parallel to the study of the losses in
rotating magnetic fields. The investigations were conducted on various
samples of nickel. On the examination of the TMH effect thick samples
showed a much more marked effect than thin ones. If further cooling
is applied, the thicker samples are subject to the effect of the de-
magnetization factor, which reduces the originally weak field. The
importance of the energy of anisotropy grows, because of which fact

Card 1/2

KIRENSKIY, L.V.; VLASOV, A.Ya.; VTYURIN, N.I.

Hysteresis of magnetostriction in rotating magnetic fields. Izv.
vys.ucheb.zav.; fiz. no.5:52-54 ' 58. (MIRA 12:1)

I. Institut fiziki Sibirskogo otdeleniya AN SSSR i Krasnoyar-
skiy pedagogicheskiy institut.
(Magnetostriction)

POPEREKA, M.Ya.; VTYURIN, N.I.; ZAKHAROVA, V.A.; AVRAMENKO, O.I.;
SAFONOV, I.A.

Internal stresses in galvanizing coatings. Zhur. fiz. khim. 39
no.2:527-530 F '65. (MIRA 18:4)

1. Krasnoyarskiy politekhnicheskiy institut.

VTYURIN, V.I.

Conference on the Present State and Potential Development of Information Work in Chemical and petrochemical industries. NTI no.11:22-23 '64. (MIRA 18:1)

VTYURIN, V.I.

Cutting the time required for the preparation and publication of information materials is one of the most important tasks of the central branch information organs. NTI no.3:3-4 '64.
(MIRA 17:9)

VTYURIN, V.I.

Publications of All-Union and central branch organs of scientific
and technological information in 1964. NTI no.11:3-4 '63.
(MIRA 17:2)

VTYURIN, V.I.

Principal demands made on certain types of information sources.
NTI no.8:3-5 '64. (MIRA 17:12)

VTYURIN, V.I.

Presidium of the Central Board of the Science and Technology Society
of the Petroleum and Gas Industry on the state of information work
in its branches. NTI no.8:6 '63. (MIRA 16:10)

1. Upravleniye informatsii Gosudarstvennogo komiteta po koordinatsii
nauchno-issledovatel'skikh rabot SSSR.

VTYURIN, V.I.

Central Institute of Scientific Information on Building and
Architecture, a division of the Academy of Building and Archi-
tecture of the U.S.S.R. NTI no.727-8 '63. (MIRA 16:11)

VTYURINA, Ye.A.

Geocryologic phenomena and relief forms created by them in
southeastern Transbaikalia. Trudy Inst. merz1. AN SSSR 18:17-25
'62. (MIRA 16:2)
(Transbaikalia—Cryopedology) (Transbaikalia—Landforms)

VTYURIN, B.I.; VTYURINA, Ye.A.

Winter observations on the formation and behavior of frost
cracks in ice wedges. Trudy Inst.merzl.AN SSSR 16:98-105
'60. (MIRA 13:4)
(Kasach'ye region--Frozen ground)

VTYURINA, Ye.A.

Establishing cryopedological zones in southeastern Transbaikalia.
Trudy Inst. merz1. AN SSSR 17:5-16 '61. (MIRA 15:2)
(Transbaikalia--Cryopedology)

VTYURINA, Ye.A.

Mechanism of the formation of peat interlayer in the solifluction
deposits. Izv. AN SSSR. Ser. geog. no.4:76-81 JI-Ag '65. (MIRA 18:8)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.

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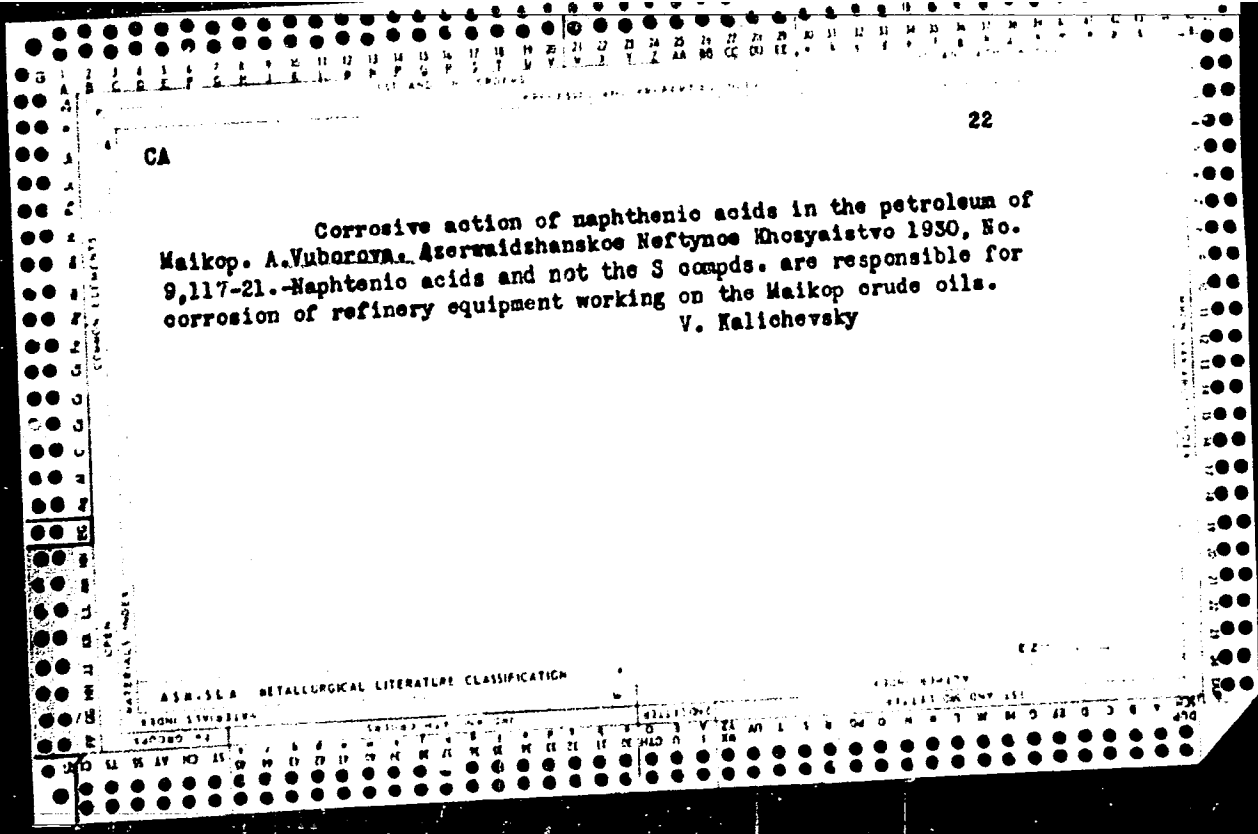
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