

Potentiometric analysis of viscose during ripening. R.
S. Nelman, V. A. Kargin and E. A. Fokina. *J. Applied
Chem. U.S.S.R.* 9, 1316 (1966) in French 13(20) (1966)
See C. A. 61, 15017 A. A. Dubrovskiy

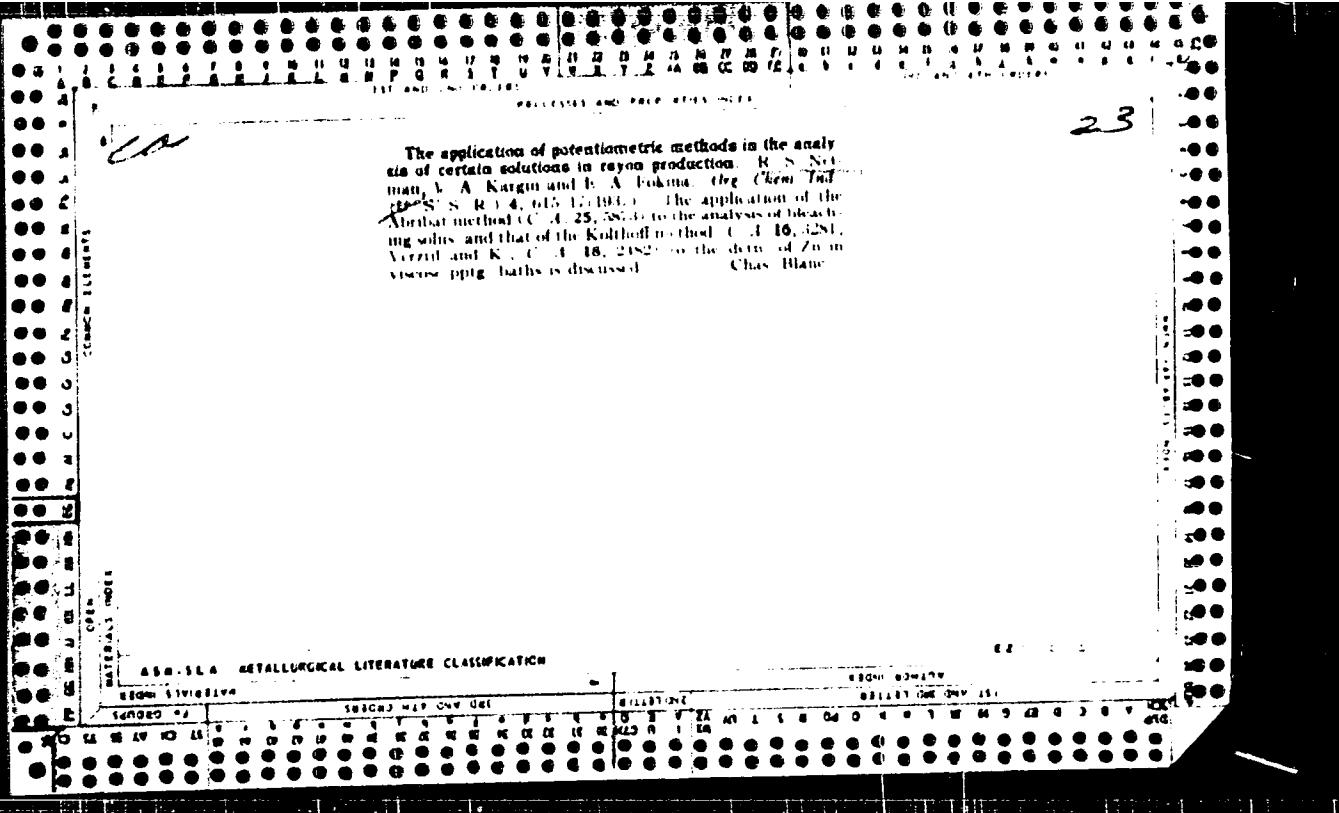
454-SLA METALLURGICAL LITERATURE CLASSIFICATION

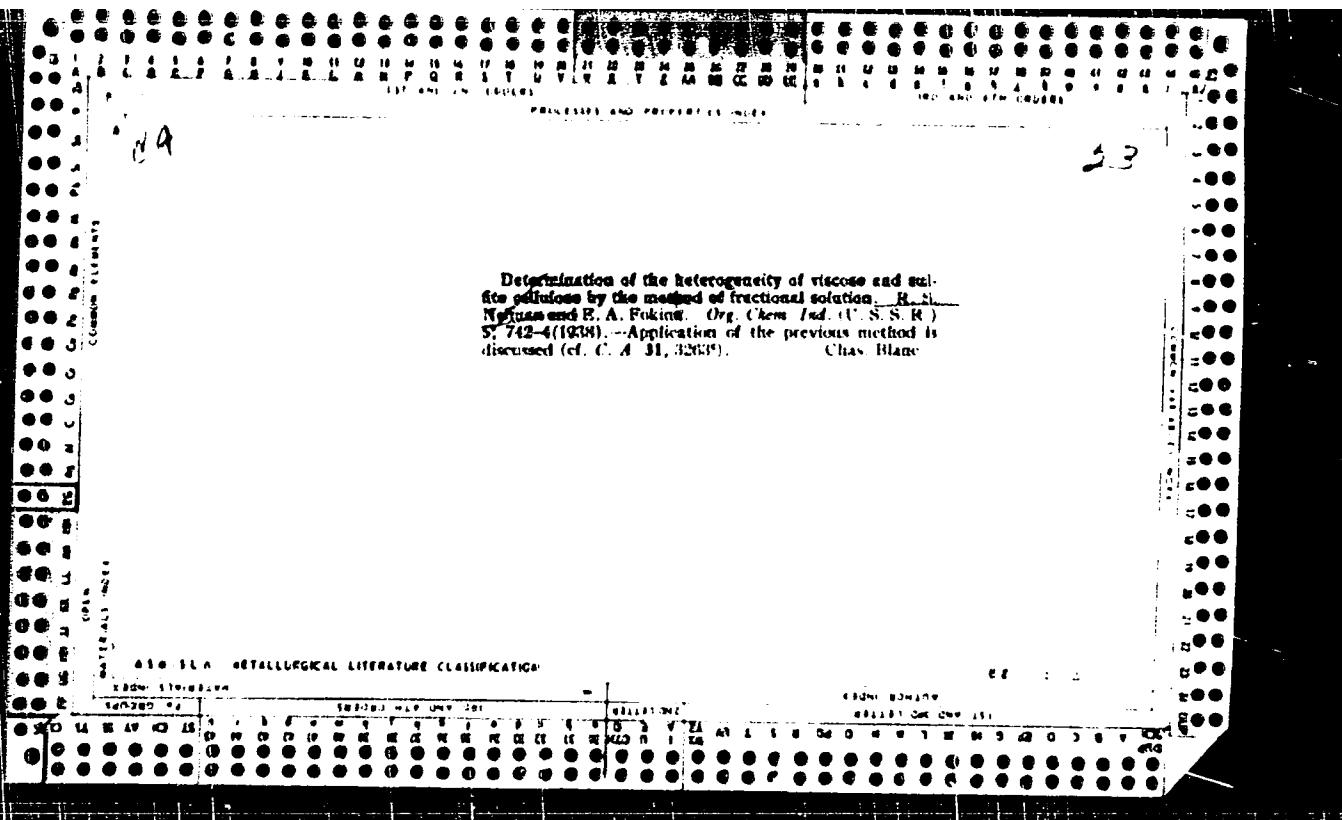
SECOND SUBJECT	SECOND LINE ONE OR TWO	SECOND LINE THREE	SECOND LINE FOUR	SECOND LINE FIVE	SECOND LINE SIX	SECOND LINE SEVEN	SECOND LINE EIGHT
1000	1000	1000	1000	1000	1000	1000	1000

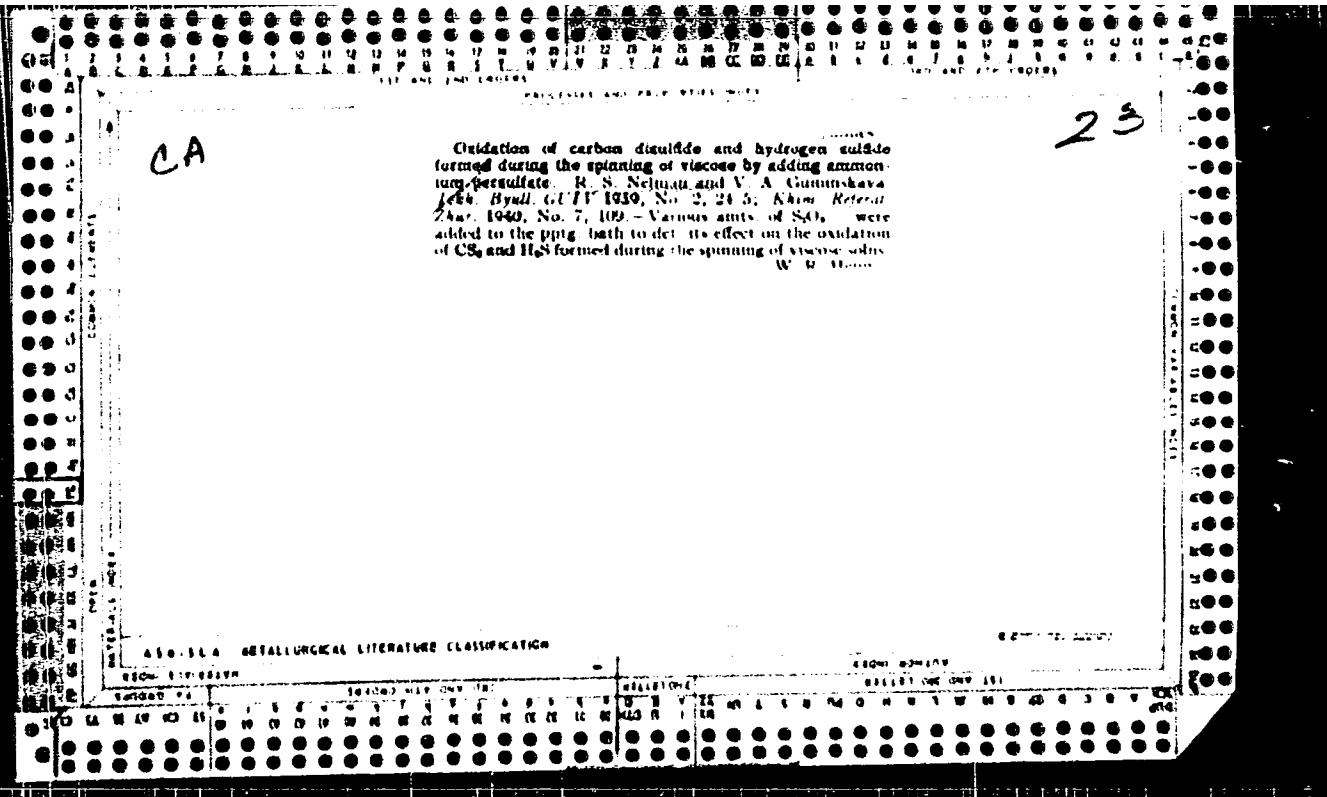
Potentiometric measurements in the analysis of viscose solutions during ripening R. S. Neiman, V. A. Kargin and E. A. Fokina, *Org. Chem. Ind. U.S.S.R.* 3, 499 (1967). *J. Colloid. Interface Sci.* 20, 2752. Study of the effect of diln. and addn. of Na₂S, Na₂CS_n, Na₂CO₃ and NaOH on the chem. changes of viscose compn. during ripening by the potentiometric titration with 0.1 N AgNO₃ and a Ag electrode showed that the results of the immediate titration are independent of the degree of diln. In contrast to the undil. viscose solns., the NaS content in dil. viscose solns. increases in the process of ripening as a result of the hydrolysis of CS_n and Na₂CS_n. Increasing diln. results in a greater chem. change of viscose during ripening. The ripening process is accelerated on the addn. of Na₂S and Na₂CS_n, retarded by NaOH and is not affected by 0.25% Na₂CO₃. Free NaOH in viscose cannot be detd. by the potentiometric method because it is titrated together with the xanthate. The ultrfiltration of the ripened viscose and the analysis of the filtrate showed that at a total alkyl of 6.8% the viscose contains 2.5-3% of free NaOH, the amount of which decreases during ripening C-B

CPC
MATERIALS

ASA-SEA METALLURGICAL LITERATURE CLASSIFICATION







—CR

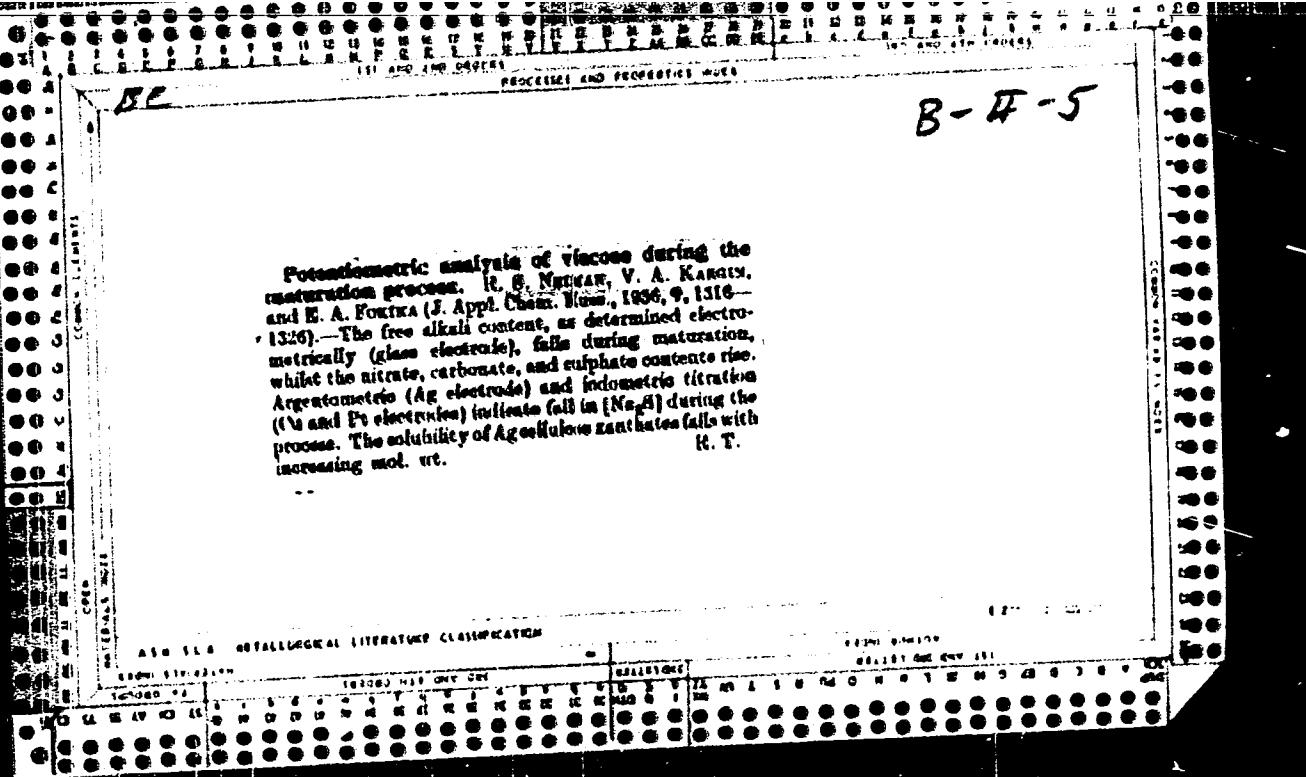
PRESENT AND PAST TENSES WITH

24

Sorption of water vapor by cellulose fibers. R. S. Nelson and V. A. Kargin. *Org. Chem. Ind.* (U. S. S. R.) **6**, 628-33 (1939).—Tabulated results of the comparative study of sorption and desorption of water vapors by various cellulose and casein fibers show that the state of equilibrium is attained in 2-3 months by the method of Obermiller (*C. A.* **20**, 1143) and in 1-15 hrs. by the vacuum method of McBain (*C. A.* **28**, 391*). The 2 methods give nearly equal hysteresis values of the sorption and desorption of viscose. Different specimens of viscose fiber with closely resembling stoichiometric properties give identical sorption isotherms. Mercerization of cotton and sulfite cellulose increases the relative hygroscopicity. Further chemical treatment in the production of artificial fibers results in a decrease of the fiber chain length and a little change in the adsorptive power to water. Of the artificial fibers cellulose acetate is the least and casein fiber the most hygroscopic materials. Chas. Blanc

ABD-SEA METALLURGICAL LITERATURE CLASSIFICATION	SEARCH DIVISION	SEARCH NUMBER	SEARCH DATE
SEARCHED BY	SEARCHED BY	SEARCHED BY	SEARCHED BY
SEARCHED BY	SEARCHED BY	SEARCHED BY	SEARCHED BY
SEARCHED BY	SEARCHED BY	SEARCHED BY	SEARCHED BY
SEARCHED BY	SEARCHED BY	SEARCHED BY	SEARCHED BY

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136820C



The properties and structure of cellulose ester solutions
VI. Xanthation of cellulose solutions / A. Rogovin,
R. D. Narayan and Krishna / Applied Chem., U.S.S.R.
R-12, 262-8 in French, 268-9 (1959), cf. C.A. 53, 3589.

A cellulose hydrate was dissolved by treatment with 10% NaOH at -3 for 1 hr., the solution dried with water to various amounts of NaOH and well mixed with excess CS₂ for 4-5 hrs. at -2 to -3°C. Cellulose was regenerated with 1-1.5% NaOH at 20° for 30 min., the excess of NaOH pressed out and the alkali-cellulose treated with 80% CS₂ to wet cellulose. Xanthation proceeded in both cases at lower NaOH concns. than those used for mercerizing cellulose. Preliminary treatment of cellulose with 4.6% NaOH soln. yielded xanthates with the normal degree of esterification but somewhat lower solv. in alkali (70.8%). This is attributed to the reaction by the xanthate of some of the bridge linkages of the initial cellulose. VII. The conditions of formation of tri-dimensional molecules of cellulose and their properties / A. Rogovin and M. Ioffe / Ibid. 269-70 in French, 256. One part of cellulose hydrate was treated with 10 parts of 33% NaOH soln. for 1-24 hrs. The excess NaOH soln. was pressed out and the cellulose 1 part was mixed with soln. (20 parts) of dichlorodihydroquinone in acetone for 5-72 hr. The product was washed with dil. AcOH and then with water, and dried at 40°. The product was only slightly sol. in 3% NaOH soln. and is insol. in copper ammonium hydroxide soln. This is attributed to the for-

mation of bridge between xanthate groups. The product was more hygroscopic and less strong in the wet state than initial cellulose owing to the increased distance between the chains of fiber. A. A. Podgorny

CA

FIGURE ELEVEN AND REPRODUCTION INDEX

Breathless photofotometric apparatus for measurement of colors. N. S. Neiman and R. A. Kokina. Org. Chem. Ind. (U. S. S. R.) 7, 171-2 (1940); cf. Strelkov, J. Applied Chem. (U. S. S. R.) 4, 610 (1950). Construction and performance of the app. in the doct. of clarity and color of cellulose plastics are given. References. Also in Paint Varnish Production Mag., 50, 103-4 (1950). Chas. Ilane

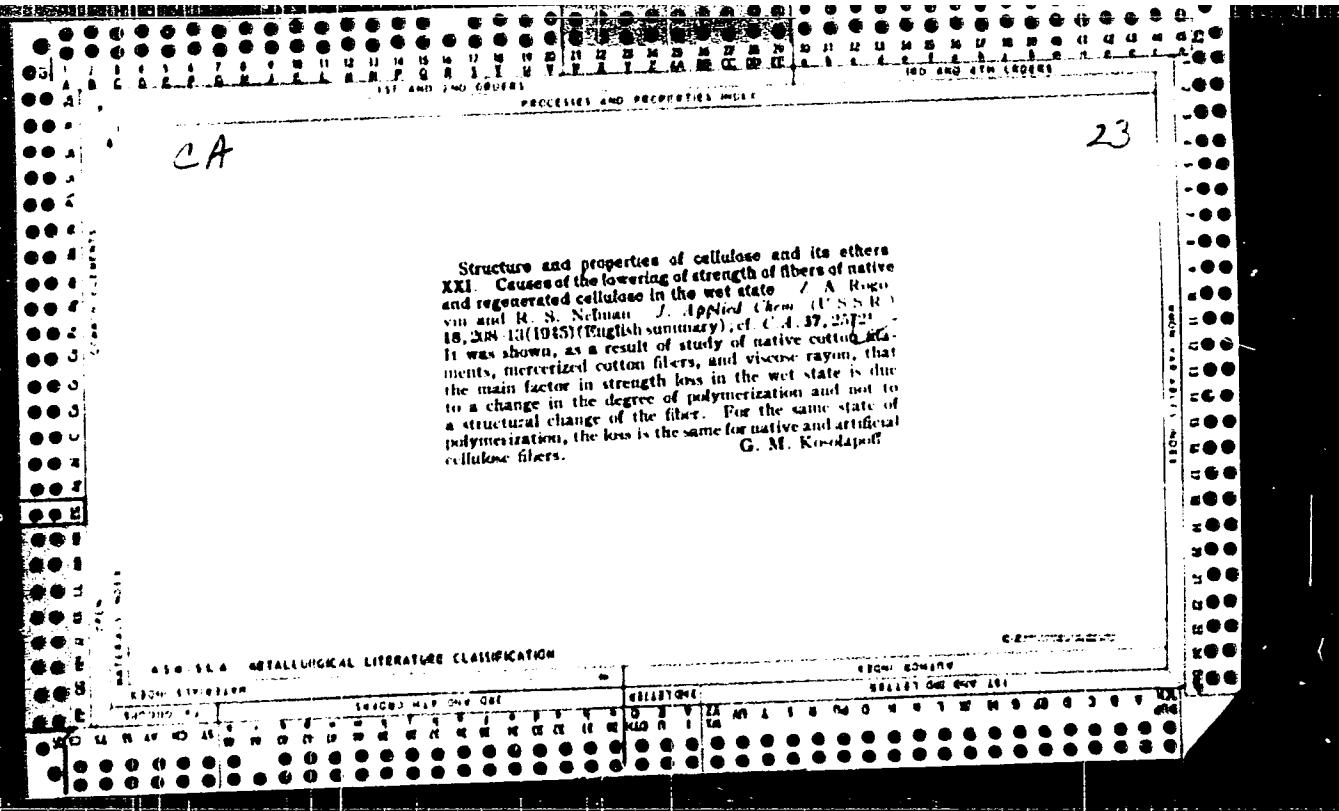
ASG-SLA METALLURGICAL LITERATURE CLASSIFICATION

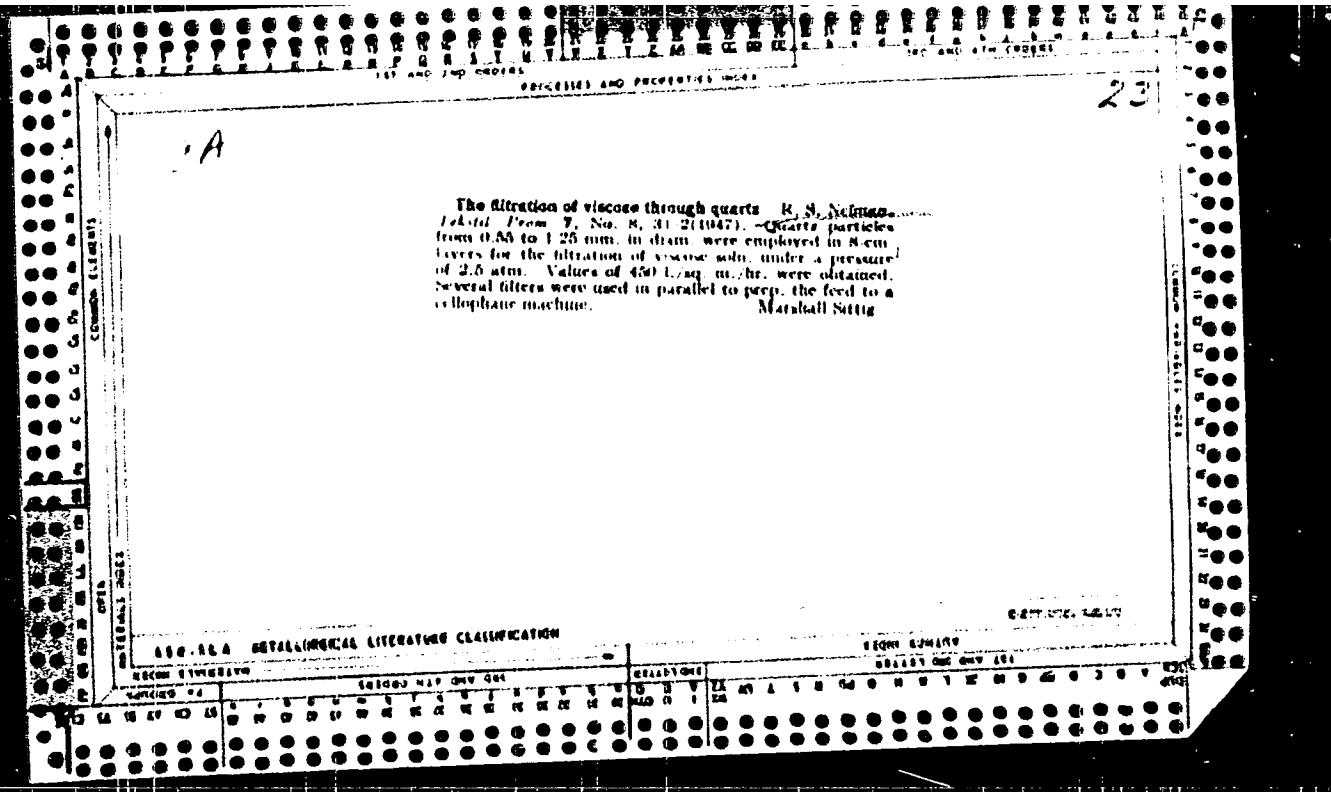
ITEM NO.	TOPIC	CLASSIFICATION	SEARCHED	SEARCHED AND INDEXED	SEARCHED AND SERIALIZED
140000-76	140000 MET. IND. GEN.	140000	Y	Y	Y
140000-77	140000 MET. IND. GEN.	140000	Y	Y	Y

CA
2
Causes for loss of strength of viscose fiber in moist condition. R. S. Nettman, J. Applied Chem. (U.S.S.R.), 14, 573-8 (1951).²³ investigated the causes of wet strength loss of viscose (I) and cuprammonium fibers (II).

in wet condition, particularly in order to find the reason for the comparatively greater loss in the case of I. Since one of the strength factors is the distribution of the chain lengths in the cotton (cellulose) fibers, it was found by fractional soln. and detn. of η of the fractions in cuprammonium soln. that much more uniform distribution exists in II than in I. The crosswise swelling of individual fibers is 100-112% for both fiber types, but the lengthwise swelling for I is 3-4.5%, whereas for II it never exceeded 2.4%. The av. I has lower mol. wt. than II. The wet-strength loss depends also upon the method of manuf.; thus, spinning of cotton cellulose by the I process or of sulfite cellulose by the II process gives fibers whose wet-strength loss is the same as that of the corresponding fiber made from the usual raw materials. The presence of fractions of low mol. wt. lowers the wet strength of the product. The greatest change of wet strength of cotton cellulose fiber occurs after mercerization, when the most profound structural changes occur. G. M. Kosolapoff

ASB-SEA METALLURGICAL LITERATURE CLASSIFICATION										CETRIS INDEX									
TECHN. SUBJECT										EIGHT QUALITY									
SECOND HAB. ONLY ONE										HAB. ONLY ONE									
1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10





NEYMAN, R.S.

Most efficient concentration of sodium hydroxide in viscose
baths. Khim.volok. no.3:45-46 '59. (MIRA 12:10)
(Rayon)

NEYMAN, R.S.; CRYAZNOVA, V.I.

Structure of viscose fibers. Khim.volok. no.5:47-50 '61.
(MIRA 14:10)

1. Vsescyuznyy nauchno-issledovatel'skiy institut iskusstvennogo
volokna.
(Rayon)

NEYMAN, S., kapitan i-go ranga zapasa

Making use of harbors subject to freezing. Recd.transp. 21
no.11:60 N '62. (MIRA 15:11)
(Harbors--Cold weather operation)

Technology.

Technology

Preventing static in radio reception, Moscow, Gosenergopolzdat, 1951.

Monthly List of Russian Accessions, Library of Congress, December, 1952. UNCLASSIFIED.

NEGAN, S. I., Engineer, Sand Tech Sci

Dissertation: "Investigation of the Possibility of Cold Stamping the Outer Raceways of High Toller Bearings."

10/3/50

Moscow Automechanical Inst

SO Vecheryaya Moskva
Sum 71

Neyman, S.I.

PHASE I BOOK EXPLOITATION

SOV/3220

25(5)

Yazykovyyu nauchno-issledovatel'skyy institut po normalizatsii i standartyzatsii
Sovetsk v Tekhnicheskoyi i mashinostroyeniyu (New Developments in Machine Building)
Moscow, France, 1959. 222 p. (Series: Itc. Trudy, pp. 1) Extra slip
Inner-Ed. 1,000 copies printed.

Additional Sponsoring Agency: USSR. Komitet standartov sver i ismeritel'nykh
priborov.

Ed.: G.B. Iur'yev, Director of Technical Sciences. Professor: Ed.: L.G. Protop'yann,
Tech. Ed.: A.P. Dvurev, Managing Ed. for Literature on Machine Building and
Instrument Construction: N.V. Pakrovskiy, Engineer.

PURPOSE: This book is intended for engineers and technicians in machine-building
plants, design and planning enterprises, and scientific research organizations
for machine-building technology. It may also be used by engineers and
students of advanced courses in institutions of Higher
Education and technical schools
for machine building.

CONTENTS: The collection contains 10 articles which describe the theoretical
and experimental work by the All-Union Scientific Research Institute for
Normalization in Machine-Building (formerly VNIIMASH), carried out in
1956-1957 to investigate new equipment designs and progressive techniques
for manufacturing machine parts in different branches of general machine
building: hydraulic equipment building, textile- and sewing-machine manu-
facturing, etc. The article by N.F. Cherniaj which discusses a system of
machine fitting using Universal fixture attachments (copublished in the
Soviet Union by V.S. Kurnakov and V.S. Ponomarev under Nr. 73777), may be
of special interest. References accompany each article.

M. M. Kuznetsov, Candidate of Technical Sciences, and I.A. Sidorenko, Engineer.
M. M. Kuznetsov, Candidate of Technical Sciences for Producing Hair-Finished
Spinning Wheel Goods

Smetanikov, B.I., Candidate of Technical Sciences. The Technology of
Cutting the Holes on a Screw Pump

Dunayev, P.L., Candidate of Technical Sciences. Dimensional Analysis of
the Grooved Cylinder of Cotton-Spinning Machines

Gromov, E.I., Engineer. Experiment in the Use of "Universal Picture"
IVanchenkov (ISIP)

Krasin, T.D., and V.N. Lebedev, Engineers. Control-Operational Automatic
Machine for Felt Production

Petrovskiy, S.D., Candidate of Technical Sciences. Treatment of the Wear-
Resistant Materials of Sand and Gravel Pumps

Abaev, V.V., Candidate of Technical Sciences, and A.V. Vorontsov, Engineer.
The Problem of Deformation in Wheels of Large Curvature.

Card 3/6

8

NEYMAN, S.I., kand.tekhn.nauk; SIDOROV, I.A., inzh.

Advanced technological process for making spinning-ring blanks.
Trudy VNIIMASH no.1:27-60 '59. (VTPR 13:5)
(Spinning machinery) (Forging)

BARYSHEV, V.P.; NEIMAN, S.L.; RAYGORODSKIY, M.A.

Maneuvering and service of car dumpers. Koks i khim. no. 2:10-14
'61. (MIA 14:2)

1. Giprokokos.
(Coke industry--Equipment and supplies)

NEYMAN, S.L., inzh. (g.Khar'kov); RAYGORODSKIY, M.A., inzh. (g.Khar'kov)

Further expansion of collaboration in the use of transportation equipment and approach tracks. Zhel.dor.transp. 43 no.3:75-77
Mr '61. (MIRA 14:3)
(Railroads--Joint use of facilities)

NEYMAN, S.M., student; BUGROV, V.F., student

Lignin is a diluent of slurry. T3ement 29 no.1:19-20 Ja-F '63.
(MIRA 16:2)

1. Kazakhskiy tekhnologicheskiy institut.
(Lignin) (Cement)

NEYMAN, S.M.

Analysis of the synchronizing system for telephotographic equipment
with an electronic brake. Elektrosviaz' 10 no. 3:57-64 Kr '56.
(Phototelegraphy) (MLRA 9:7)

NEVYAN, S. V.

NEVYAN, S. V. -- "A New Method of Autonomous Synchronization of Radio-telegraphic Equipment." Leningrad Electrical Engineering Inst of Communications imeni Professor M. A. Bonchi-Bruyevich. Leningrad, 1955. (Dissertation for the Degree of Candidate in Technical Sciences)

SOURCE Knzihhnaya Letopis', No 6 1956

NEYMAN S. M.

۱۰

3CT1/777-4-2-15/18

23 (4) 23 (5)

Lytikhov, I.S.
Successes of Soviet Electrophotography (Upoekh sovetskoj elektrofotografii). A Scientific and Technical Conference on Questions of Electrophotography (Nauchno-tekhnicheskaya konferentsiya po voprosam elektrofotografii).

ЧЕСКАЯ КОНФЕРЕНЦИЯ ПО ВРОПРАМ ЭЛЕКТРОГРАФИИ

PERIODICAL: Zhurnal nauchnoi i prakticheskoi kinematografii. 1959, vol. 4, Kr. 2. pp. 149-152 (USSR)

ABSTRACT: This is an account of a scientific and technical conference on electrochemistry, the first to be held in the Soviet Union and evident in the world. It was organized in Vil'nyus on December 26-29, 1958 by the Soviet National Khimkayssva Litovskoy S.S.R., the Council for National Economy of the Lithuanian S.S.R., the Gouardetechnicheskii Komitet Soveta Ministrov Liteiniiia S.S.R. (State Scientific and Technical Committee of Lithuania), the Lithuanian S.S.R. and the Council of Ministers of Lithuania, the Institute of Electrochemistry (Scientific Research Institute of Electrochemistry). The conference was attended by over 300 scientific workers from 12 countries. The Deputy Chairman of the Council was opened by the Deputy Chairman of the Council of Ministers of Lithuania S.S.R. P.A. Karsys.

for National Economy of the USSR. In 1954, he was elected a member of the USSR Academy of Sciences. After which the director of the Institute for Electrography, I. V. Zhuravlev, reviewed the state of electrography, its development, and prospects for development of electrography in the USSR. He stated that research in this field should be carried out along the following lines: a) a search for new photoconductive materials with high dark resistance; b) physical research into the internal photoeffect; c) development of photoconductor layers; d) development of the theory of the electrophotoelectric process. K. S. Lazutkin (speaking also for O. G. Lopore) gave a report in which he suggested determining the light sensitivity of electrophotoelectric layers in GOJF units. N. Z. Plavina (speaking also for I. I. Zhuravlev, L. D. Kurnikov, and M. M. Karlovich, K. I. Kainusken and O. K. Sviridov) reported on some research on the sensitization of a semiconductor in electrophotoelectric lasers. V. V. Prudkin gave a report on highly sensitive electrophoto-graphic lasers and an electrophoto-copying device, and reviewed the formation process of the latent electrophotoelectric image on the basis of the zoneal theory. He also described the design of an electrophotoelectric device for determining sensitivity by the relaxation period of a charge on the surface of the layer, and the circuit of an electrophotoelectric writing device. A. I. Il'yayev finished describing the lecture and then spoke on the mechanics and kinetics of the development of the latent electrophotoelectric image in liquid developers.

卷之二

GATE 2000

APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R001136820C

Soviet Electrophotography: A Scientific and Technical Conference on Questions of Electrophotography
Soviet Electrophotography: A Scientific and Technical Conference on Questions of Electrophotography

Sov77-4-2-1578

K.M. Vinogradov described some of the features of the cascade and liquid methods of electrophotographic development. Yu.N. Karpenko devoted his report to the criterion of light sensitivity of the electrophotographic process. After the report, a discussion took place on methods of determining the light sensitivity of electrophotographic layers. N.I. Chernyshev spoke on the prospects of developing photostatic processes using electric and magnetic forces. O.V. Jurasov (speaking for I.I. Zhil'evich, A.A. Sushchik, V.V. Koroleva, N.S. Puzina and Yu.I. Savchenko) reported on the development of electrophotographic reproducing equipment. I.S. Puzina (speaking also for I.I. Zhil'evich, A.S. Boroditskii, V.M. Gulyadik and L.V. Ruchikawa) reported on the use of electrophotographic methods in recording oscillographs and other recording instruments. V.I. Murchenko (speaking also for I.S. Sazanin) spoke on the possibility of electrophotographically recording images from electron tubes. U.S. Kozol (speaking also for N.N. Murav'evich, T.I. Polovinskaya, B.I. Kalinushkin, Z.K. Nevezina, A.V. Chil'darev and E.I. Novikova) gave a detailed description of laboratory and machine methods of producing photoconductive paper (tin oxide was used). A.A. Sukhly (speaking also for I.I. Zhil'evich, O.V. Grozov, V.A. Gordiyev, K.P. Sogolov and T.N. Gorb) described a laboratory and industrial machine for producing photoconductor paper. T.V. Shishkina (speaking also for Ya.I. Soshin) reported on a method of obtaining electrophotographic materials using an a/c bridge. S.I. Kostyukov (speaking also for A.I. Gidens and I.S. Kostyukov) spoke on developing methods for electrophotography and ferromagnetic levitation devices for giving a reversed image. B.I. Tikhonov devised methods of measuring the electrostatic potentials of electrophotographic layers, stressing that the oscillating electrode should not be placed above a layer with varying potential; this causes self-discharge. G.V. Mifakopov (speaking also for A.J. Goryainov, V.G. Mifakopov and G.S. Fil'chikov) spoke on the practice of producing vacuum papers in an electrostatic field, and showed samples produced by the Uralskaya Paper Factory.

Recently he gave a historical review of the development of electrographic methods in which he paid tribute to the work of the Scientific Research Institute of Electrography in Vil'nyus and the Institute of Ferromechanics of the Academy of Sciences of Lithuania.

Checkino Bashkirskaya (Mashinostroeniye Machine-Building Institute [Kazan]). Lectures were then held

Card 6/10

on methods of measuring the potential of thin electro-photographic layers. The vibration pickup method used was shown in B.I. Timonov's report to be not always accurate. S.I. Gulyashvili stated that the bad influence of the oscillating electrode can be eliminated if the electrode probe above its surface is fixed and the pick-up is connected to it by a shielded cable. In the debate on Yel. Neirovsky's report it was stated that the research of Academicians A.N. Tsvetkov and Ye.K. Pataseko should be considered as the basis of all work on electro-photographic papers with SnO_2 as they were the first to show the possibility of optical resolution of the internal photo-effect in photoconductive films. V. N. Kudryavtsev gave a report on research on some physical properties of the polycrystalline layers of selenium and sulfur. M.P. Nikishinovich spoke on some of the photoelectric properties of Sn_2S_3 and Sn_2Se_3 , the absorption maximum of the latter is about 900 m μ . N.V. Kuznetsov reported on methods of obtaining uniform light-sensitive layers, including sublimation and thermal treatment. It was also found that the stability of the layers increased after storage for 1.5 to 2 months at room temperature. P.L. Polubalkin (speaking also for S.G. Gruslina) spoke on Research into the electrical properties of electro-photographic layers of amorphous selenium and powdered zinc oxide. E.I. Shikurov (speaking also for A.J. Naumov) discussed the production of selenium layers and some of their properties. Finally the following reports on ferro-mechanography were delivered: 1) "On Ferromechanography in Thin Layers" by V.N. Zhukovina; 2) "Electrodeposition of Nickel on Magnetic Oxide Particles" by V.N. Chernov; 3) "Electrodeposition of Magnetic Oxide Particles" by V.N. Chernov; 4) "Ferromagnetic Recording of Pictures" by I.A. Shchukin; 5) "Ferromagnetic Recording in Non-pressure Ferromagnetic Fining". There was also an exhibition showing the work of the Electrographic Institute. The most important conclusion of the conference was that a solid approach had been made to the possibility of wide technical use of the methods in this field, especially started only in 1959-60 in the USSR. While admitting that it was easier to reproduce results already achieved than to be the first to arrive at them, the conference ordered that the information and conclusions be communicated to the literature available.

Card 10/10

No. 164020

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 14, 1964, 21

TOPIC TAGS: electrophotography

Translation: 1. A method for developing a latent electrophotographic image by using a camel's hair brush saturated with developing power. The photosensitized paper is moved past the brush. In order to avoid having a background appear in blank spots and to make it possible to reproduce both black and white and halftone originals, after the sensitized paper has been moved past the brush, which is lightly impregnated with the developing powder, a dust cloud is created when the fibers of another camel's hair brush are struck against stationary metal filaments to which a voltage is fed while the brush is rotated. 2. A method of this description in which the voltage applied to the metal filaments is varied in order to control the intensity of the dust cloud.

Card 1/2

L 896L-55

ACCESSION NR: AP4048809

ASSOCIATION: Leningradsky elektrotekhnicheskiy institut svyazi im.
Professora M. A. Bonchi-Bruyevicha (Leningrad Electrotechnical Institute of
Communications)

SUBMITTED: 29Jul63

ENCL: 00

SUB CODE: ES

NO REP SOV: 000

OTHER: 000

JPRS

LUGININA, I.G.; LUGININ, A.N.; NEYMAN, S.M.; KONONENKO, G.V.

High temperature attachment to a polarizing microscope for studies
in the electric field. Izv. AN SSSR. Neorg. mat. i no.11:
2044-2046 N '65. (MIRA 18:12)

1. Kazakhskiy khimiko-tehnologicheskiy institut. Submitted
April 26, 1965.

I 31066-66 EWT(m)/EWP(t)/ETI IJP(c) REM/JD
ACC NR: AF6017934 SOURCE CODE: UR/0315/66/000/004/0022/0023
36
53
B

AUTHOR: Sukonkin, G. A.; Neyman, S. M.

ORG: none

TITLE: Experimental model of a drum-type xerographic copier

SOURCE: Nauchno-tehnicheskaya informatsiya, no. 4, 1966, 22-23

TOPIC TAGS: electrophotography, electrostatic printer, selenium

ABSTRACT: A description is given of the REM 420/620 electrostatic copier equipped with a rotating drum. The device is designed for reproduction and duplication of any type of documentation made in pencil or ink as well as from typewritten and printed copies. The maximum width of the xerographic copy is 420 mm. Originals up to 620 mm in width may be reduced by a factor of 1.4. The copying speed is 1 m/min, the installation weighs about 300 kg, measures 1.8x1.0x9.0 m, requires a power supply of 3 kw and has a resolution of 7-8 lines/mm. One of the new machines can replace ten of the conventional ERA-2 plate-type installations since all stages of the xerographic process are automated. The unit incorporates a new method for development of the latent electrostatic image using fur brushes in combination with a controllable low-intensity powder "cloud". A schematic diagram of the developing unit is shown in the figure. This unit consists of a chamber containing the developing powder 1 and a chamber containing the fur

UDC: 681.621:772.93

Card: 1/2

L 34066-66

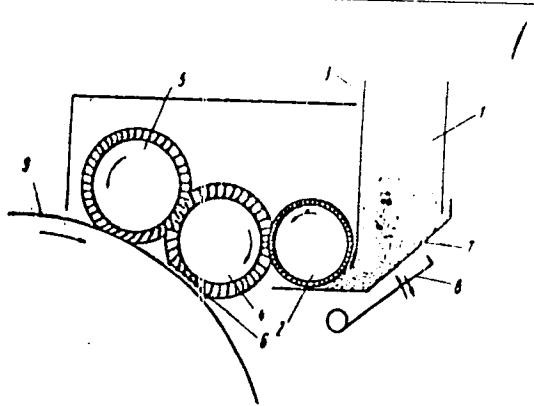
ACC NR: AP6017934

brushes 4 and 5. These chambers are separated by feed roller 2 and partition 3 which may be moved vertically to regulate the area of contact between roller 2 and the developing powder. The fibers of brush 4 pick up the developing powder from roller 2. The powder is simultaneously electrically charged. The powder is then transferred from brush 4 to brush 5 which is in contact with selenium layer 9. Taut metal filaments 6 produce a powder "cloud" when contacted by the powder-charged fibers of the rotating brush. The electrical potential of these metal filaments may be varied to control the intensity of the "cloud". The powder in the developing chamber is periodically agitated by small hammers 8 which strike against the elastic bottom of the chamber 7. Future improvements to be made in the device include installation of attachments for magnification of microphotocopies, the use of mercury lamps to increase the copying speed to 5-6 m/min, and an installation for chopping separate copies from a continuous roll. Orig. art. has: 3 figures.

[28]

SUB CODE: 14/ SUBM DATE: 20Dec65/ ATD PRESS: 5018

Card 212-50



MEYMAN, S.N., kandidat tekhnicheskikh nauk.

Combined dies and punches having hard alloy inserts. Proizv.-tekhn.
inform. no.9:97-111 '54. (MERA 10:3)
(Dies (Metalworking)) (Punches)

N E Y M A N , T. G.

Transactions of the All-Union Conference on the Use of Radioactive and Stable Isotopes and Radiation in the National Economy and Science; Machine and Instrument Manufacturing, Moscow, Izd-vo AN SSSR, 1958. 358 p.

Pchelina, V.A., and T.A. Shmeleva (MGU imeni Lomonosova; NII mek-hovoy promyshlennosti - Moscow State University imeni Lomonosova; Scientific Research Institute of the Fur Industry). Radiocetric Determination of the Fur Density of Felts	203
Shvarek, S.S., A.N. Slatinskii, and K.D. Pissannik (Tsentrall'nyy nauchno-issledovatel'skiy institut khlopchetobumazhnogo promyshlennosti - Central Scientific Research Institute of the Cotton Industry). Use of Radioactive Isotopes in the Textile Industry	216
Nekhayevskiy, Ye.A. (VNII Goznak). Use of Radioactive Isotopes in the Control of the Weight of Paper Sheets	212
Kardash, Ye.G. (Tsentrall'nyy nauchno-issledovatel'skaya laboratoriya-Gosgortekhnadzora - Central Scientific Research Laboratory of "Gosgortekhnadzor"). Scintillation Pipe Thickness Gauge	217
Iordan, O.O., and T.G. Neiman (Nauchno-issledovatel'skiy institut teploenergeticheskogo prilozheniya - Scientific Research Institute for Heat-Power Instrument Making). Measurement of Solution Concentrations With Beta Radiation	223
Yermoleev, Ye.I. Use of Backscattering of Beta Radiation in the Control of the Thickness of Coatings	227
Tur'ev, N.V. Apparatus for the Measurement of the Thickness of Coatings	234

21(3), 9(6)

SOV/110-50-3-3/10

AUTHORS: Iordan, G. G., Candidate of Technical Sciences, "eyman, T. G.,
Engineer, Furman, K. S., Engineer

TITLE: Safety Technique in the Extensive Introduction of Radioactive
Apparatus (O tekhnike bezopasnosti pri shirokom vnedrenii
radioaktivnykh priborov)

PERIODICAL: Priborostroyeniye 1959, Nr 3, pp 21-22 (USSR)

ABSTRACT: The directives of the XX Congress of the KPSS contained the
following passage: Plans must be established in due time
for a more extensive use of radioactive radiation in in-
dustries, agriculture, and medicine, in particular for the
quality control of materials, for the inspection of production
processes and their automatic control. In recent times such
apparatus have been developed and introduced into industries.
The radioactive level gage UR-4 is widely used in the control
of the level of liquid chlorine in containers in various
production processes. The radioactive level indicator RIU-1
measures the maximum and minimum height of dust in dust
eliminators used in roasting pyrites in the "rimming zone".
The radioactive device PZhR intended for the measurement of
the density of fluids is used in the production of chlorinated

Card 1/4

SC7/110-52-3-2/15

Safety Technique in the Extensive Introduction of Radioactive Apparatus

oil, electrolytic soda calcium chloride, etc. Special care must be taken in the use of radioactive apparatus which operates with gamma radiation, and the same holds for apparatus using high-energy β -radiation. 250 of the 500 large industrial plants in the USA use radioactive isotopes in one or another form. In 1957 the use of radioactive isotopes saved 406 million dollars, and this figure will climb to 5 billion dollars in about 5 years. At present all directions for use of radioactive apparatus include specifications as to their installation and operation. If these specifications are strictly complied with, an irradiation of personnel with prohibitively high doses (that is 0.05 roentgen per working day) is excluded. In practice, however, it appeared that the unclear wording of these specifications renders control and sanitary inspection more difficult. Hence it is necessary to issue specialized sanitary regulations for the application of radioactive apparatus with inherent gamma-sources for technological inspection purposes. According to the opinion of the authors these regulations should be based upon the following considerations: In places where people are working who are not professionally engaged in work with ionizing

Card 2/4

SOV/119-59-3-8/15

Safety Technique in the Extensive Introduction of Radioactive Apparatus

radiation, the radiation dose originating from technological inspection apparatus should not exceed one tenth of the maximum admissible radiation dose. If this requirement is to be satisfied in practice, it is necessary to keep the dose rate on the surface of such apparatus below 0.2 microroentgen/second. The majority of apparatus which is in use at present do not comply with this standard, and if such "sub-standard" equipment is employed, additional protective measures are required. Subsequently, formulas for safety clearances are derived and applied to special cases. The safety clearances can also be determined with a dosimeter. It appears to be expedient that the manufacturers of radioactive apparatus should send a team of specialists to customers who will look after the installation of the equipment in a suitable place. A report is given on the problems involved in transporting such equipment and on its regular inspection. Finally, the authors express their gratitude to L. N. Balanina, researcher at the Institut gigiyeny truda i profzabolevaniy (Institute of Labor Hygiene and Professional Diseases) for her valuable assistance.

Card 3/4

SOV/110-59-3-8/15

Safety Technique in the Extensive Introduction of Radioactive Apparatus

There are 3 references, 2 of which are Soviet.

Card 4/4

~~NAME, GIVEN NAMES~~
~~SOURCE, Given Names~~

Country: Poland

Academic Degrees: / not given

Affiliation: Office of Government's Representative for Use of Atomic Energy
Matters, Palace of Culture and Science (Bjouro Pełnomocnika Rządu
dla Spraw Wykorzystania Energii Jadrowej, Pałac Kultury i Nauki)
Warsaw

Data:

Source: Leipzig, Isotopentechnik, No 5-6, May 1961, p. 147.

Data: "Measurements of the Concentration Of Solutions by Means of β -Radiation"

GPO 981643

NEYMAN, V.A.; PLIUSNIN, S.P.

Using electrothermal methods in stretching high-tensile wire
reinforcements. Transp.stroi. 10 no.5:29-31 Ky '60.
(MIRA 13:7)

1. Glavnnyy tekhnolog Magnitogorskstroyputi (for Neyman).
2. Instruktor Chelyabinskoy nauchno-issledovatel'skoy stantsii
Orgtransstroya (for Plyusnin).
(Reinforced concrete)

ISTOMINA, K.V.; NEYMAN, V.A.

Evaluation of the endothelial cup test in rheumatic fever. Lab.
delo 5 no.6:15-19 N-D '59. (MIRA 13:3)

1. Iz kliniki gospital'noy terapii (zaveduyushchiy - prof. L.S.
Shvarts) Saratovskogo meditsinskogo instituta.
(RHEUMATIC FEVER)

8(6)

SOV/112-59-3-4711

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 3, p 58 (USSR)

AUTHOR: Neyman, V. A.

TITLE: Installation of Electrical Equipment of Hydroelectric Generating Stations
and Requirements for Better Plan-and-Estimate Documentation
(Montazh elektricheskogo oborudovaniya GES i trebovaniya po uluchsheniyu
proyektno-smetnoy dokumentatsii)

PERIODICAL: V sb.: Novoye v proyektir. elektr. chasti gidroelektrost. M.-L.,
Gosenergoizdat, 1957, pp 131-133

ABSTRACT: Between 1951 and 1955, the "Gidroelektromontazh" building
administration has done 170,000,000 rubles worth of electric-installation work,
including 71,200,000 rubles in 1955. The cost of the work scheduled for the
6-th Five-Year Plan is over 500,000,000 rubles. The time required for putting
it in operation has been cut approximately one-half. Shortcomings of the
project documentation are listed in detail from the viewpoints of its scope,

Card 1/2

8(6)

SOV/112-59-3-4711

Installation of Electrical Equipment of Hydroelectric Generating Stations and

quality, and technical substantiation of decisions; requirements to design organizations and plants are formulated.

V.V.M.

Card 2/2

NEYMAN, V.A.

LUKOMSKIY, A.N., inzhener; NEYMAN, V.A., inzhener.

New transformer substation units. Elek.sta. 28 no.1:70 Ja '57.
(MLRA 10:3)

(Electric transformers)

NEYMAN, Vladimir Aleksandrovich; GORSHKOV, S.N., inzh., red.; LUKOVITSEV,
A.A., inzh., red.; PETUKHOV, P.Z., doktor tekhn.nauk, red.;
RUDIN, S.M., inzh., red.; SUSTAVOV, M.I., inzh., red.; KHRISANOV,
M.I., kand.tekhn.nauk, red.; MAKAROV, Ye.M., red.izd-va;
DUGINA, N.A., tekhn.red.

[Assembling centralized lubrication systems] Montazh tsentrali-
zovannykh smazochnykh sistem. Moskva, Gos.snauchno-tekhn.izd-vo
mashinostroit.lit-ry, 1960. 109 p. (Biblioteka slesaria-montazhni-
ka, vypusk 8). (MIRA 14:1)

(Lubrication and lubricants)

NEYMAN, V. R.

Geophysical significance of the hypsographic curve. *Biol. MOIP.*
Otd. geol. 29 no. 6:75-80 N-D '54.
(Earth-Surface) (MLRA 8:2)

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136820

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R0011368200

HEYMAN, V. B.

"The Theoretical Bases for Analyzing Rock Magnitudes (under Flatform Conditions)"

A paper presented on 19 April, The Activity of the Moscow Society of Naturalists, Byulleten' Moskovskogo Obschestva Ispytateley Prirody Vol LX.

No. 6, Moscow, Nov-Dec 1955, pp 80-90, Geology section

Source: U-9235, 29 Nov 1956

L 25051-65 EWT(1)/EW3(v)/EEC(t) Po-4/Pe-5/Pae-2 MLK/GW

ACCESSION NR: AT5002740

S/0000/64/000/CC0/0322/0330

32

B+1

AUTHOR: Neyman, V. B.

TITLE: A comparative description of the hypsographic data on certain planets

SOURCE: Zemlya vo Vselennoy (The Earth in the universe). Moscow, Izd-vo Mysl', 1964, 322-330

TOPIC TAGS: hypsography, geological structure, expanding Earth, lunar surface, lunar formation, Earth crust, Martian surface, Martian crust, Venusian surface, Venusian atmosphere

ABSTRACT: The purpose of this study is to show that the surface of other planets, such as the moon, Mars^{1/2} and Venus^{1/2} can be determined by the use of a hypsographic

Cord 1/2

L 25051-65

ACCESSION NR: AT5002748

is considerably below zero; this makes it logical to associate its surface color with acidic rocks, i.e., to consider a large part of the Martian crust as analogous to the granite shell of the Earth. No granite shell has yet developed on the moon because of that planet's small size. Information on Venus is less definitive, but indications are that it is farther afield in its evolution than the other known planets.

ASSOCIATION: None

SUBMITTED: 30Jan64

NO REF Sov: 004

ENCL: 00

OTHER: 004

SUB CODE: AA

Card 2/2

NEYMAN, V.B.

Theoretical bases of analysis of strata thickness in platforms.
Biul.MOIP.Otd.geol.30 no.6:90-91 N-D '55. (MLRA 2:4)
(Geology, Stratigraphic)

NEYMAN, V.B.

Age of the Upper Zolnensk stratum in the Samara Bend region.
Dokl.AN SSSR 103 no.5:901-903 Ag '55. (MLRA 9:1)

1.Vsevovusnyy nauchno-issledovatel'skiy geologo-razvedochnyy
neftyanoy institut. Predstavлено академиком S.I.Mironovym.
(Samara Bend--Geology, Stratigraphic)

AUTHOR:

Neyman, V.B.

5-3-18/37

TITLE:

On the Paleotectonic Control of Stratigraphic Classifications
(O paleotektonicheskoy kontrole stratigraficheskikh razbivok)

PERIODICAL:

Byulleten' Moskovskogo Obshchestva Ispytateley Prirody, Otdel
Geologicheskiy, 1957, No 3, pp 165-166 (USSR)

ABSTRACT:

The oscillation process affecting simultaneously enormous territories is the main one of tectonic processes proceeding in a plateau. Other tectonic processes occur only occasionally. The domination of the oscillation process supports the viewpoint that the well-known rhythm of sedimentary formations just reflects this oscillation process. An analysis of Meso- and Cenozoic rocks in the area north of the Caucasus has shown that there exist two types of layers sharply different by their paleotectonic and facial nature. The first type are layers of interstratification. They are built up of sands (sandstones), siltstones, clays, shell rocks and marls. These layers were deposited at depths less than 50 m. The second type of layers are monotonous (in vertical cross section) clays, carbonaceous or arenaceous, dependent on facial conditions. Depths of deposition are of the order of 100 m. The thicknesses of these layers vary from 50 and 100 m to 800 m with-

Card 1/2

5-3-18/37

On the Paleotectonic Control of Stratigraphic Classifications

in the area under consideration (north of the Caucasus).

AVAILABLE: Library of Congress

Card 2/2

12/11/74 V. B.

AUTHOR:

Neyman, V. B.

20-441/52

TITLE:

On the Stratigraphic Subdivision of the Oligocene-, Lower-
and Middle Miocene Deposits Within the Boundaries of the
Terek-Kuma Depression (O stratigrafichegom raschlenenii
oligotsenovikh, nizhne- i srednemiotserovikh otlozheniy v
predelakh Tersko-Kumskoy depressii).

PERIODICAL: Doklady AN SSSR, 1957, Vol. 117, Nr 4, pp. 690-693 (USSR)

ABSTRACT:

The above mentioned depression is known to be located in the East Predkavkaz'ye. Its demarcation is described in detail. A thick tertiary sediment cover in the said depression attains a thickness of 4,5 km and has a monoclinal decline towards Southeast. About 1,5 km correspond to the deposits mentioned in the title. Their detailed subdivision has hitherto met with a number of problems that were not clear. After describing the opinions hitherto held, the author mentions the latest experiences gathered from the pole drill hole "Artezian", 200 km southeast of Astrakhan which refute the conceptions hitherto held concerning the subdivision of the cross section. In a depth of 780-1630 m 3 kinds of macrofauna were found, which are known not to descend farther than the lower Miocene. The Miocene border was lowered by about 800-900 m because of

Card 1/4

On the Stratigraphic Subdivision of the Oligocene-, Lower- and Middle Miocene Deposits Within the Boundaries of the Terek-Kuma Depression 20-4-41/52

the pollen-spore analysis. Thus, the real bottom of the miocene is located in the interior of the "Lower Maykop" (according to Zhizhchenko). The boundary between Oligocene and Miocene is much deeper: to the Oligocene there belongs only the monotonous loam packet, whereas the entire higher packet of interbedding already enters the Miocene. Also the boundary between the lower and the middle Miocene was subjected to an equally strict revision. The occurrence in a depth of 710-1172 m of rich Chokrak fauna indicates a considerable thickness of the latter deposits. Although usually the Chokrak boundary is placed about 100 m higher than it should be, this was here caused by a complex of microfauna, which was deformed by rearrangement. According to knowledge recently acquired the thickness of the Chokrak in the Terek-Kuma depression does not amount to 50-100 but to 800-1000 m. Accordingly, the thickness of the Maykop sediments is decreased to 800 m. Also in the Western part of the depression the bottom of the lower- and middle Miocene (formerly classed as belonging to the Olikocene) was lower by about 1 km according to the most recent results

Card 2/4

On the Stratigraphic Subdivision of the Oligocene-, Lower- 20-4-41/52
and Middle Miocene Deposits Within the Boundaries of the
Terek-Kuma Depression

obtained. As a result of the analysis carried out by the author it was possible to subdivide the Miocene part of the cross section into a series of independent packets, which correspond uniquely to the packets of the Georgiyevsk-drilling hole (fig. 1), where they are reliably characterized by macrofauna. Miocene begins with the packet N₁^a (fig. 1) 0 - 225 m thick; there follows N₁^b - 0 - 176 m; in the upper parts of the lower Miocene the packet N₁^c is similar to the previous one, thickness 100-300 m. Chokrak sediments can be subdivided into 4 packets: the lowest N₁^{tsch}a apparently comprises also the Tarkhan horizon and does not differ essentially from the two others beneath it. Its thickness is 150-300 m. The next packet N₁^{tsch}b, which is lithologically similar to the previous one, differs by the manner of interbedding. The total thickness is 100-300 m. A peculiar appearance characterizes the packet N₁^{tsch}c (Budenovskaya); its thickness amounts to several

Card 3/4

On the Stratigraphic Subdivision of the Oligocene-, Lower- 20-4-41/52
and Middle Miocene Deposits Within the Boundaries of the
Terek-Kuma Depression

'00 meters. The Chokrak sediments are crowned by the packet
N₁ tsch^d. Many research workers consider the latter to be the
entire Chokrak and, if it is lacking, they look upon the
Chokrak as absent. Its thickness is 0 - 185 m. Karagan sediments
are very similar to the upper Chokrak. The latter do by far not
always rest upon the Chokrak. They frequently rest considerably
transgressively immediately upon the Maykop (even on its lower
parts), or upon the lower Chokrak.
There are 1 figure, 1 table, and 5 references, all of which are
Slavic.

ASSOCIATION: All-Union Scientific Geological Research Institute (Vsesoyuznyy
nauchno-issledovatel'skiy geologo-razvedochnyy institut)

PRESENTED: March 20, 1957, by S. I. Mironov, Academician

SUBMITTED: March 20, 1957

AVAILABLE: Library of Congress

Card 4/4

BURSHTAR, M.S.; IL'IN, V.D.; NEYMAN, V.B.

Regional distribution of oil and gas pools in the lower Albian
of the U.S.S.R. southern regions. Geol.nefti i gaza 3 no.6:19-23
'59. (MIRA 12:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologo-razvedochnyy
neftyanoy institut.

(Russia, Southern--Petroleum geology)
(Russia, Southern--Gas, Natural--Geology)

NEYMAN, V.B.

Remarks on B.P. Zhizhchenko's article "Area of transported terrigenous material and crustal movements." Sev. geol. 3 no.8:153-154 Ag '60.
(MIRA 13:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy neftyanoy institut.
(Rocks, Sedimentary) (Zhizhchenko, B.P.)

S/160/62/000/002/005/072
D228/D01

AUTHORS: Neyman, V. B. and Kirillov, I. V

TITLE: Hypothesis of the expanding earth in its geological-geophysical essence (author-amended paper read on December 9, 1960)

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 2, 1962, abstract 2A'4 (Byul. Mosk. o-va ispyt. prirody. Otd. geol., 36, no. 2, 1961, 125-'26)

TEXT: The sharp boundary between the oceanic and the continental crust, the acute continental slope between continents and oceans and also the frequency curve for encountering heights and depths in continents and oceans -- which discloses the presence of a deep minimum (corresponding to the continental slope) between the two maxima corresponding to continents and oceans -- all testify to the genetic isolation of continents and oceans and render incompatible the hypotheses of the expansion of continents and oceans at each other's expense. Having constructed a rather accurate model of a

Card 1/2

Hypothesis of the ...

3/169/62/000/002, 005, 072
D228/D301

cortical earth with a diameter two times smaller than is the case today. I. V. Kirillov showed the reality of the stretching process. Since younger zones cut the older within the continents in the successive imaginary removal of the younger zones it is, finally possible to arrive at a homogeneous and miniature earth. Thanks to this the break between the existing cosmic theories and the earth's present structure may be eliminated by means of the hypothesis of an expanding earth. According to I. V. Kirillov the process of creation has the following form from the viewpoint of the expansion of the earth. Expansion, affecting on the whole only the crust's granitic part results in the accumulation of thick sediments in a given zone which corresponds to the establishment of a geosyncline. Fusions and gaseous substances start to act from below in the rupture of the crust's granitic part. These considerably further the growth of mountains occurring in the stage when the stretching process is temporarily retarded. /"Abstrader's note: Complete translation."

Second page

NEYMAN, Vladimir Borisovich; MITIN, R.S., red.; BELICHENKO, R.K.,
mladshiy red.; GLITSYN, A.V., red. kadr.; VILENSKAYA,
E.N., tekhn. red.

[The expanding earth] Rasshiriaiushchaisia Zemlia. Moskva,
Gos. izd-vo geogr. lit-ry, 1962. 78 p. (MIRA 16:3)
(Earth)

NEYMAN, Vladimir Borisovich; SMIRNOVA, Z.A., red. izd-va; BYKOVA,
V.V., tekhn. red.

[Methods for paleotectonic analysis for use in platform areas]
Voprosy metodiki paleotektonicheskogo analiza v platformen-
nykh usloviakh. Moskva, Gosgeoltekhnizdat, 1962. 84 p.
(MIRA 15:7)

(Geology, Structural)

41293
S/C35/62/000/010/052/128
A001/A101

AUTHOR: Neyman, V. B.

TITLE: On the nature of main lunar formations

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 10, 1962, 62, abstract 10A136 ("Byul. Vses. astron.-geod. o-va", 1962, no. 30, (37), 28 - 32)

TEXT: The author notes that isolines on the hypsometric chart of the Moon compiled by Schruttka-Rechtenstamm (See RZhAstr, 1956, no. 11, 6395; 1960, no. 7, 6750) do not correspond to outlines of seas and continents. On the basis of the same observational data, the author re-compiled the lunar chart with allowance for the visible relief in drawing the isolines (the principle of the chart reconstruction is not revealed by the author). The hypsometric chart obtained by the author shows a tidal protrusion in the center of the lunar visible hemisphere, which was supposed theoretically; the maximum height of the protrusion over the sea boundaries amounts to 4 - 5 km. The frequency of heights and depths occurring on the lunar surface is compared with the occurrence of

Card 1/2

ZONI NSHAYN, L.P.; BENTEL'S-ISPENSKAYA, I.A.; SAFRONOV, V.S.; NEYMAN, V.R.; GENDLER, V.Ye.; CHUPRIKOV, V.S.; FREMIN, N.I.; KOGAN, R.S.; YAKOVLEV, M.N.; LANGE, O.K.; KABANOV, G.K.; KUZNETSOVA, K.I.; SINITSYNA, I.N.; SMIRNOVA, T.N.; VENKATACHALAPATI, V.; MASLAKOVA, N.I.; BILGUSOVA, Z.I.; YAKUBOVSKAYA, T.A.; YURINA, A.L.; RYBAKOVA, N.O.; MORCHOVA, V.G.; BARASH, M.S.; PONAREV, V.I.; NIKONOV, A.A.

Activity of the Geological Sections of the Moscow Naturalists Society. Biul. MGIF. Otd. geol. 39 no. 4:1 1971. Nauka, 1972.
DOKA 17.2

MEYMAN, V. B.; MOLCHANOV, Y. M.; SVERDLOV, V. M.

Ivan Gavrilovich Arkovskii. Gen. 1 class, 1903 grad., 1918

I. Chleny Vsesoyuznogo otdeleniya po voprosam obucheniya.

NEYMAN, V. - nauchnyy sotrudnik

With mask and fins in the Indian Ocean. Voen.znan. 36 no.8:
32-33 Ag '60.
(MIRA 13:7)

1. Institut okeanologii Akademii nauk SSSR.
(Diving, Submarine)

NEYMAN, V.G.

Circulation of water in the northeastern Indian Ocean in the
summer monsoon period. Okeanologija 3 no. 3:418-423 '63.

1. Institut okeanologii AN SSSR.
(Indian Ocean--Ocean currents) (MIRA 16:8)

NEYMAN, V.G.

Structure of zonal currents in the equatorial region of the
Indian Ocean. Okeanologija 4 no. 58920 '64 (MIRA 18 II)

L 38688-66 EWT(1)/FCC GW

ACC NR: AT6016945

(N)

SOURCE CODE: UR/2639/65/000/000/0098/0109

AUTHOR: Ivanov, Yu. A.; Neyman, V. G.

//

ORG: none

15/

TITLE: The frontal zones of the Antarctic Ocean

SOURCE: AN SSSR. Mezhdudomstvennaya komissiya po izucheniyu Antarktiki. Antarktika (The Antarctic); doklady komissii, 1964. Moscow, Izd-vo Nauka, 1965, 98-109

TOPIC TAGS: ocean current, ocean dynamics, ocean property

ABSTRACT: Assuming the maximum gradients of the physical properties of the ocean to be the result of meridional and vertical advections, 86 meridional cross sections were selected and hydrological observations (collected by numerous investigators during many years and at various seasons) are summarized. It is concluded that the basic factor underlying the formation of dynamic fronts is transverse circulation. It is further concluded that the maximum gradients of physical properties of the ocean derive from the combined action of meridional and vertical advections. Solution of the diffusion equation reveals a unique correspondence between the spatial distribution of vertical components of the current velocities for the dynamic fronts. The authors present a map of the frontal zones of the Antarctic showing the dynamic fronts as follows: (1) the Antarctic divergence at 68°-67° S latitude, where relatively warm and saline

Card 1/2

KOSHLYAKOV, M.N.; NEYMAN, V.G.

Some results of measurements and calculations of zonal currents
in the equatorial region of the Pacific Ocean. Okeanologiya 5
no.2:235-249 '65.
(MIRA 18:6)

1. Institut okeanologii AN SSSR.

L 23375-66 FMT(1) GW
ACC NR: AP6001654

(N)

SOURCE CODE: UR/0213/66/006/001/0161/0164

AUTHOR: Heyman, V. G.

9

B

Z

ORG: Institute of Oceanology AN SSSR (Institut okeanologii AN SSSR)

TITLE: Current measurement from a moving ship

SOURCE: Okeanologiya, v. 6, no. 1, 1966, 161-164

TOPIC TAGS: ocean dynamics, oceanographic ship, ocean current

ABSTRACT: Current measurements made by the Vityaz,¹⁹⁶⁵ oceanographic expedition in the Pacific and Indian oceans are discussed. The existence of currents of relatively high velocities at 1000 to 1500 m depths, comparable to those at the surface was established. It was found that the "difference" method and the "comparison" method (which makes use of buoys) are not reliable. The Vityaz' expedition improvised a method based on observations made from the drifting vessel and data obtained from stationary buoy stations with automatic recording devices placed at 50, 150, 500, and 1000 m levels. Current velocity measurements from the vessel and the stationary buoy stations for five depth horizons are given in a table. Analysis of the data shows that 1) the maximum difference in the direction of the current is $\pm 150^\circ$; 2) the velocity differences at some stations are several times greater than the measured magnitudes; 3) the observed differences are a function of velocity; 4) the evaluation of random

Card 1/2

UDC: 551.46.085

L 23375-66

ACC NR: AP6007654

errors in both measurement methods is extremely difficult; and 5) existing measurement methods can not be considered entirely reliable. Orig. art. has: 1 table.

SUB CODE: 08/ SUBM DATE: 29Oct64/ ORIG REF: 003/ OTH REF: 001

Card 2/2 *do*

ACC NR: AP6031377 (A) SOURCE CODE: UR/0145/66/000/007/0080/0086

AUTHOR: Neyman, V. G. (Engineer)

ORG: None

TITLE: Static and dynamic characteristics of a choke hydraulic drive with a variable-discharge pump

SOURCE: IVUZ. Mashinostroyeniye, no. 7, 1966, 80-86

TOPIC TAGS: hydraulic pump, hydraulic engineering, servomechanism, frequency characteristic

ABSTRACT: In view of the wide use of choke-controlled hydraulic drives with variable-discharge pumps, the author analyzes the effect of this type of pump on the static and dynamic characteristics of the actuating mechanism. A schematic diagram of a choke drive with a variable-discharge pump is shown in the figure. It is assumed that the slide valve has zero overlap and that the drive shaft rotates at a constant speed. Overflow pressure, leakage in the actuating mechanism, pressure losses due to piston friction and hydraulic drag in the pipelines and channels are disregarded together with the effect of the state of distribution of the parameters. A system of equations describing this type of drive is derived on the basis of expressions for the balance of flow rate in the discharge line and in the actuating mechanism as well as formulas for the forces acting on the regulating element of the pump and the actuating piston.

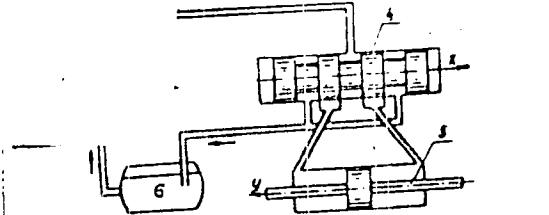
Card 1/3

UDC: 621,226

ACC NR: AP6031377

This system of equations is solved for steady-state flow conditions to give an expression for the mechanical characteristics of the actuating mechanism. An analysis of the velocity characteristics of the actuating mechanism shows that a reduction in the slope of the control characteristics of the pump reduces the speed of the actuating piston, increases the amplification factor of the actuating mechanism for the case of small signals, and reduces this factor for large signals, and increases the nonlinearity of the velocity characteristics. The frequency response and transition processes in the

given hydraulic drive are analyzed. Stability conditions are found from analysis of pump stability using the Hurwitz criterion for a third order system. Forced vibrations are considered in a hydraulic drive with a sinusoidal input signal in the absence of a load. It is shown that the pump has no effect on the phase-frequency characteristics of the actuating mechanism but may change the amplitude-frequency characteristics and the shape of the output signal. Experimental results confirm the validity of the



1--variable-discharge pump; 2--discharge regulator; 3--choke; 4--slide valve; 5--power cylinder; 6--overflow tank

Card 2/3

ACC NR: AP6031377

analysis given in this paper. The article was presented for publication by Doctor of technical sciences, Professor V. F. Prokof'yev, MVTU im. N. E. Bauman. Orig. art. has: 4 figures, 13 formulas.

SUB CODE: 13/ SUBM DATE: 09Mar66/ ORIG REF: 002

Card 3/3

pattern of currents is connected with monsoon and trade winds and determines the main features of the distribution of hydrological elements. Based on dynamic computations, the water circulation in the baroclinic layer of the ocean corresponds to a two-layer

Card 1/2

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136820

ACC NR: AT7003616

model. The topography of the upper isothermal layer is in agreement with the dynamic topography of the ocean surface. Divergence and convergence zones as well as boundaries of regions with different hydrological structure are determined. Orig. art. has: 12 figures. [BA]

SUB CODE: 08/ SUBM DATE: none/ ORIG REF: 008/ OTH REF: 007

Card 2/2

200,5100

200,5100

AUTHORS: Gerasimov, K. I., Gorbunov, V. P., Kostylev, N. M., Novikov, V. I., Pashkin, Yu. M., Slobodin, Yu. I., Slobodina, N. P., Yeliseyev, V. I.

TITLE: Experimental Electromelting of Lead Concentrate With Solid Fuel. Scientific-Technical Article.

PERIODICAL: Izvestiya Akademii Nauk SSSR, Otdelenie Metallovedeniya, Tsvetnykh Metallurgiy, Tsvetnaya Metallovedenie. Tom 1, pp. 34-40 (USSR)

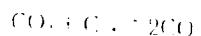
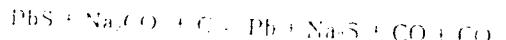
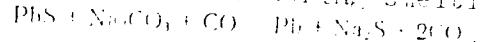
ABSTRACT: This article describes the application of an experimental method of lead smelting with solid fuel semi-industrial conditions developed by K. V. Slobodov, Head of Team, Doctor of Technical Sciences, Scientific Works, Kurchatov Institute, Moscow, Russia. These were carried out by the experimental shop and lead plant (svintsovyy zavod) of Leningradskiy Combine (Leningradsky Komintat) and by Kuznetsk Mining and Metallurgical Institute (Kuznetskiy gornometallicheskiy institut). Smelting was done in a single-phase electrical furnace with a 0.5 m² bottom area, 250 kw transformer

Card 1/9

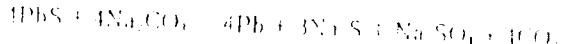
Experimental Electric Smelting of Lead Concentrates With Soda Under Semi-Industrial Conditions

70720
377,144-1-11 p7

power, and voltage steps of 30, 40, and 50 v; bottom and walls were lined with chrome-magnesite; roof and chimney with magnesite. Optimal conditions were 1,670 v current, 3,700-4,000 amp; electric de tip into bath, 27 mm; depth of fully fused bath, 600-700 mm; depth of slag layer, 150-200 mm. Slag was tapped 2-3 times per shift and metal, 1-2 times a day. Temperature under the roof was 700-800°; of the slag, 1,000-1,000°, and it had a low viscosity at this temperature; slag-matte was tapped immediately after turning off the furnace and without allowing it to settle. It contained only 0.2% Pb, indicating good separation. A series of chemical reactions occur during smelting:



Card 2/2



The following table gives the results obtained by the method of fusion with 10% PbO₂. The weight of the concentrate is given below. All the Al₂O₃ was retained, i.e., no loss was observed. The 7% loss over 15 kg of the weight of the concentrate; 10% PbO₂ was added after 10 kg of the 7% loss; the concentration remained at 4.5% until 15 kg of Al₂O₃ was added; 10% PbO₂ was added. The yield under the last was maintained by a slight increase in melt temperature. The PbO₂ was melted and fused. The result obtained was 6.4%. Copper concentrate: probably due to the blower tube, which contained also some PbO₂, perhaps of insufficient purity, introduced the 10% and 15% loss.

Melting with 7% of 15 kg of PbO₂ produced results not inferior to those with 10% PbO₂. Encouraging to this result, natural sand from mine still has a reported 10%

Card 3/5

Experimental Electro Smelting of Lead Concentrates With Soda Under Semi-Industrial Conditions

7774
SOV/14-100-1-11,27

substituted for calcinated soda with resulting lead extraction of 52.0% (7.3% sublimated). Thus, in this case, passed 50% into slag and flux parts. The average power consumption was 371 kWh per ton of charge, which is probably a higher rate than under normal conditions, the furnace size being small. The average salt consumption was 10% of the weight of the concentrate (Mikhailov's natural soda containing a mere 74.3% Na_2CO_3 , its actual consumption is only 74% even when 100% is added). Test smelting of Irtysh flue dust resulted in a 46% reduction of salt (10% went into the dust). Title - On the Experimental Smelting of conventional and Soda-containing at Irtyshskaya Lead Plant.

Card 4/9

Table 1. <i>Estimated Number of Persons in the United States</i>		Estimated Number of Persons in the United States		
(A)	(P)	(Q)	(R)	(S)
1	100	103.0	95.1	95.1
2	200	206.0	190.2	190.2
3	300	309.0	270.3	270.3
4	400	412.0	340.4	340.4
5	500	515.0	410.5	410.5
6	600	618.0	480.6	480.6
7	700	721.0	550.7	550.7
8	800	824.0	620.8	620.8
9	900	927.0	690.9	690.9
10	1000	1030.0	761.0	761.0
11	1100	1133.0	831.1	831.1
12	1200	1236.0	901.2	901.2
13	1300	1339.0	971.3	971.3
14	1400	1442.0	1041.4	1041.4
15	1500	1545.0	1111.5	1111.5
16	1600	1648.0	1181.6	1181.6
17	1700	1751.0	1251.7	1251.7
18	1800	1854.0	1321.8	1321.8
19	1900	1957.0	1391.9	1391.9
20	2000	2060.0	1462.0	1462.0
21	2100	2163.0	1532.1	1532.1
22	2200	2266.0	1602.2	1602.2
23	2300	2369.0	1672.3	1672.3
24	2400	2472.0	1742.4	1742.4
25	2500	2575.0	1812.5	1812.5
26	2600	2678.0	1882.6	1882.6
27	2700	2781.0	1952.7	1952.7
28	2800	2884.0	2022.8	2022.8
29	2900	2987.0	2092.9	2092.9
30	3000	3090.0	2163.0	2163.0
31	3100	3193.0	2233.1	2233.1
32	3200	3296.0	2303.2	2303.2
33	3300	3399.0	2373.3	2373.3
34	3400	3502.0	2443.4	2443.4
35	3500	3605.0	2513.5	2513.5
36	3600	3708.0	2583.6	2583.6
37	3700	3811.0	2653.7	2653.7
38	3800	3914.0	2723.8	2723.8
39	3900	4017.0	2793.9	2793.9
40	4000	4120.0	2864.0	2864.0
41	4100	4223.0	2934.1	2934.1
42	4200	4326.0	3004.2	3004.2
43	4300	4429.0	3074.3	3074.3
44	4400	4532.0	3144.4	3144.4
45	4500	4635.0	3214.5	3214.5
46	4600	4738.0	3284.6	3284.6
47	4700	4841.0	3354.7	3354.7
48	4800	4944.0	3424.8	3424.8
49	4900	5047.0	3494.9	3494.9
50	5000	5150.0	3565.0	3565.0
51	5100	5253.0	3635.1	3635.1
52	5200	5356.0	3705.2	3705.2
53	5300	5459.0	3775.3	3775.3
54	5400	5562.0	3845.4	3845.4
55	5500	5665.0	3915.5	3915.5
56	5600	5768.0	3985.6	3985.6
57	5700	5871.0	4055.7	4055.7
58	5800	5974.0	4125.8	4125.8
59	5900	6077.0	4195.9	4195.9
60	6000	6180.0	4266.0	4266.0
61	6100	6283.0	4336.1	4336.1
62	6200	6386.0	4406.2	4406.2
63	6300	6489.0	4476.3	4476.3
64	6400	6592.0	4546.4	4546.4
65	6500	6695.0	4616.5	4616.5
66	6600	6798.0	4686.6	4686.6
67	6700	6891.0	4756.7	4756.7
68	6800	6994.0	4826.8	4826.8
69	6900	7097.0	4896.9	4896.9
70	7000	7190.0	4967.0	4967.0
71	7100	7293.0	5037.1	5037.1
72	7200	7396.0	5107.2	5107.2
73	7300	7499.0	5177.3	5177.3
74	7400	7592.0	5247.4	5247.4
75	7500	7695.0	5317.5	5317.5
76	7600	7798.0	5387.6	5387.6
77	7700	7891.0	5457.7	5457.7
78	7800	7994.0	5527.8	5527.8
79	7900	8097.0	5597.9	5597.9
80	8000	8190.0	5668.0	5668.0
81	8100	8293.0	5738.1	5738.1
82	8200	8396.0	5808.2	5808.2
83	8300	8499.0	5878.3	5878.3
84	8400	8592.0	5948.4	5948.4
85	8500	8695.0	6018.5	6018.5
86	8600	8798.0	6088.6	6088.6
87	8700	8891.0	6158.7	6158.7
88	8800	8994.0	6228.8	6228.8
89	8900	9097.0	6298.9	6298.9
90	9000	9190.0	6369.0	6369.0
91	9100	9293.0	6439.1	6439.1
92	9200	9396.0	6509.2	6509.2
93	9300	9499.0	6579.3	6579.3
94	9400	9592.0	6649.4	6649.4
95	9500	9695.0	6719.5	6719.5
96	9600	9798.0	6789.6	6789.6
97	9700	9891.0	6859.7	6859.7
98	9800	9994.0	6929.8	6929.8
99	9900	10097.0	6999.9	6999.9
100	10000	10190.0	7069.9	7069.9

Key to Part I: (a) Does subject have direct contact; (b) does subject have indirect contact; (c) does subject have no contact with source; (d) does subject have partial contact with source; (e) does subject have full contact with source; (f) does subject have no contact with source; (g) does subject have partial contact with source; (h) does subject have full contact with source; (i) does subject have no contact with source; (j) does subject have partial contact with source; (k) does subject have full contact with source; (l) does subject have no contact with source; (m) does subject have partial contact with source; (n) does subject have full contact with source; (o) does subject have no contact with source; (p) does subject have partial contact with source; (q) does subject have full contact with source; (r) does subject have no contact with source; (s) does subject have partial contact with source; (t) does subject have full contact with source; (u) does subject have no contact with source; (v) does subject have partial contact with source; (w) does subject have full contact with source; (x) does subject have no contact with source; (y) does subject have partial contact with source; (z) does subject have full contact with source.

Platinum
Platinum
Platinum

Platinum
Platinum
Platinum

Platinum
Platinum
Platinum

Element	Ag	Ag	Cd	Bt	Mo	Se	Tc	N	Sb
Concen. %	88.81	88.4	—	85	—	—	—	—	—
Concen. %	11.1	11.3	2.1	1	10	0.1	0.1	1	1

W. G. C. - W. G. C. - W. G. C. - W. G. C. - W. G. C.

It is also important to note that the results of the study were not limited to the specific context of the study, but can be applied to other contexts as well.

probable that the greater part of the material was derived from the surface. In the lower horizons, however, the amount of material derived from the surface decreased rapidly, and probably did not exceed 10% (or even less) in the middle portion of the profile (see Fig. 17). The amount of material derived from the surface decreased steadily as the depth increased, so that at a depth of 100 m. (the bottom of the lake), probably less than 1% (and possibly even less) of the material was derived from the surface.

在這裏，我們將會看到，這些問題的確是存在的，而且是相當嚴重的。

APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R001136820C

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136820

RECORDED BY TELETYPE
AT 1000 HRS ON JUN 20 1968
IN THE TELETYPE ROOM

RECORDED AND INDEXED BY TELETYPE
AT 1000 HRS ON JUN 20 1968
IN THE TELETYPE ROOM

RECORDED AND INDEXED BY TELETYPE

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136820C

MALKIN, I.M.; CHIRKOVA, N.P.; NEYMAN, V.G.; KARLINSKAYA, L.S.; GANCHENKO, V.M.; POKIDYSHEV, M.I.; CHERNYSHEV, Yu.P.; PLATONOV, G.F.; MIKHAYLOV, N.I.; ABDEYEV, M.A.; MILLER, O.G.; BUTENKO, N.S.; DYUYSEKIN, Ye.K.

Treatment of zinc-bearing slags in electric furnaces with coke conductivity. TSvet. met 33 no. 12:15-23 D '60. (MIRA 13:12)

1. Leninogorskiy polimetallichесkiy kombinat (for Malkin, Chirkova, Neyman, Karlinskaya, Ganchenko, Pokidyshev, Chernyshev). 2. Altay-skiy gorno-metallurgichесkiy institut AN KazSSR (for Platonov, Mikhaylov, Abdeyev, Miller, Butenko, Dyuysekin).
(Zinc--Electrometallurgy) (Electric furnaces)

NEYMAN, V.I.

Special machines for making leads for telephone apparatus. Probl.
pered.inform. no.6:133-146 '60. (MIRA 15-11)
(Telephone, automatic)

NEYMAN, Vladimir Il'ich; ROZHDESTVENSKAYA, V.A., red.

[Simulation of problems in the theory of telephone communications] O modelirovaniï zadach teorii telefonnykh soobshchenii; lektsiiia dlia studentov fakul'teta telefonno-telegrafnoi sviazi i slushatelei fakul'teta usovershenstvovaniia. Moskva, Vses. zaochnyi elektr. in-t sviazi, 1961. 50 p.

(MIRA 16:8)

(Telephone)

33504
S/562/61/000/009/004/012
D201/D302

9,7100 (2403)

AUTHORS: Neyman, V. I. and Paramonov, Yu. V.

TITLE: Electronic random number generator

SOURCE: Akademiya nauk SSSR. Laboratoriya sistem peredachi informatsii. Problemy peredachi informatsii. No. 9 1961.
Elementy sistem avtomatiki, 87-102

TEXT: The author gives the theory and description of a random number generator used for simulating telephone call flows in a specialized machine designed for analysis of switching circuits by statistical methods. The physical source of random pulses best suited to the requirements was a noise generating silicon diode D-813 (D-813). It was assumed that the generated pulses obeyed the Poisson distribution and since a random number generator based on this distribution works as a pure random generator in approximation only and since the noise is amplified, the Kotel'nikov theorem has been used for a more accurate determination of probability of binary random numbers. The random number generator operates at a

Card 1 / 3

Electronic random number ...

33504
S/562/61/000/004/004/012
D201/D302

rators described above. The increase in the number of outputs may be achieved by connecting to the generator 32-terminal output a diode matrix and a synchronous switch. The generator is periodically checked by applying the Kendall-Smith randomness criteria. The authors acknowledge the helpful suggestions of A. D. Kharkovich. There are 11 figures and 13 references: 6 Soviet-bloc and 7 non-Soviet-bloc. The 4 most recent references to the English-language publications read as follows: R. Syski, The Theory of Congestion in Lost-Call Systems. A. T. E. Journal 1953, v. 9, 4; L. Pawlak, Flip-flop as generator of random binary digits. - Mathematical tables and other aids to computation. Jan. 1956, v. 10, 53, p. 287; S. W. Broadhurst and A. T. Harmston, An electronic traffic analyse. P.O. Electr. Engrs. Journal. Jan. 1950, v. 42, Part 4; A million random digits with 100,000 normal deviates. The Free Press Glencoe Illinoi, 1955.

Card 3/3

31202

S/106/61/000/012/006/010
A055/A127

9,7100

AUTHOR: Neyman, V. I.

TITLE: Simulating of switching systems

PERIODICAL: Elektrosvyaz', no. 12, 1961, 41 - 49

TEXT: This article deals with a method to determine the carrying capacity of switching systems by means of static tests. This method, called "Monte Carlo method" outside the Soviet Union is called simulating method by the author. After a general survey of the basic principles underlying the static test method, the author describes an electronic computer which was specially designed for static tests in telephony and which can possibly be used instead of the universal electronic digital computer. For simplicity, the described model is a model with 11 outputs ($n = 11$), with a number of "load groups" ("grup nagruzki") $g = 6$ and with an accessibility $D = 3$. The corresponding device is shown in the figure which comprises the data unit of random magnitudes with M outputs and the model of the examined system. The devices registering losses are not shown. Cell I represents a coincidence circuit and cell T represents a dynamic trigger, which is excited when a pulse reaches its upper input, and is switched off when a pulse

Card 1/3

31202

S/106/61/000/012/006/010
A055/A127

Simulating of switching systems

reaches its lower input. A separate element is shown in the figure which is a device with two steady states, operating as follows: if a pulse reaches input 2 the device is in the first state (the dynamic trigger is switched off and the "line" is free); if one pulse reaches input 1, the device passes into the second state (the trigger is excited and the "line" is engaged). In this state, all the subsequent pulses applied to input 1 will reach the output. This state will persist until one pulse at least is applied again to input 2, which will bring the device back to the first state. In other words, a kind of valve exists between input 1 and the output. The device is therefore called "pulse-valve" by the author. Using separator diodes, it is possible to construct, with these valves, any system of "incompletely accessible insertion" ("nepolnodo stupnoye vklyucheniye"). The peculiar feature of the insertion of elements is the fact that the cells T, simulating the "concentration lines" ("obshchii linii"), whose contacts have then access to different lines, are connected with several cells I, forming a multichannel valve. In the design of the described model, it is necessary to take into account the time during which the information passes through the cells; the action rate of the model should thus be reduced. This defect does not exist in the transistorized model. The author describes a system de-

Card 2/3

51202

S/106/61/030/012/036/010
A055/A127

Simulating of switching systems

signed in Sweden for operation with the universal electronic digital computer BESK (system already described by Wallström in Ericsson Technics). There are 4 figures, and 11 references; 10 Soviet-bloc and 1 non-Soviet-bloc. The reference to the English-language publication reads as follows: Wallström. Artificial traffic trials on a two-stage link system using a digital computer. "Ericsson Technics", 1958, v. 14, no. 2. The names of the Soviet-bloc authors or scientists mentioned in the article are: B. S. Lifshits (Sbornik trudov NITE, 1960, no. 7), G. P. Basharin (Elektrosvyaz', 1960, no. 1). Yu. A. Shreyder (Priborostroyeniye, 1956, no. 7). V. K. Lezerson and Z. F. Greybo (Elektrosvyaz', 1958, no. 7). Yu. V. Paramonov. A. Ya. Khinchin. B. A. Sevastyanov, L. Takach, E. V. Markhay. V. N. Roginskiy. A. D. Kharkevich.

SUBMITTED: May 10, 1961

Card 3/3

S/562/62/000/011/007/008
E140/E135

AUTHORS: Neyman, V.I., and Paramonov, Yu.V.

TITLE: On a method for obtaining random numbers

SOURCE: Akademiya nauk SSSR. Institut problem peredachi informatsii. Problemy peredachi informatsii. no.11. 1962. Voprosy teorii perarabotki i raspredeleniya informatsii. 117-123.

TEXT: The method consists of measuring the total duration of the time during which a random signal (noise) exceeds a certain level during a fixed time interval, and of comparing this duration with a clock of sufficiently high frequency to determine the purity of this duration with respect to the clock. A vacuum-tube circuit is described for obtaining 10^5 random bits per second using this method.

There are 3 figures.

DATE RELEASED: May 13, 1961

Card 1/1

NYMAN, V.I.

Detainee information: Name: NYMAN, V.I.
Date of birth: 1930-01-01
Place of birth: Russia
Nationality: Russian
Ethnicity: Jewish
Religion: Orthodox Christian
Education: Secondary school
Occupation: Retired
Employment history: None

Arrest date: 1989-01-01

БОКУНЯЕВА, А.И.; ЛАЙТЕР, Б.Г.; ЛЕВ, Р.А.; НЕЙМАН, В.Н.

Degeneration due to aging in the region of the macula lutea. Vest.
cft. 70 no.2:36-39 Mr-Apr '57. (MLRA 10:6)

1. Glaznoye otdeleniye TSentral'noy polikliniki Ministerstva
zdravookhraneniya SSSR (nauchnyy rukovoditel' prof. Z.A.Kaminskaya)
(RETINA, physiol.

degen. due to aging in region of macula lutea (Rus))
(AGING, eff.
same)

BERMAN, A.S.; NYMAN, V.S.

Estimating the porosity of sandstone reservoirs saturated with
fresh water. Neftegaz. gazov. i gazoniz. n.10-42 47-11, 1971.