SOV/137-58-8-16457

Translation from Referativnyy zhurnal. Metallurgiya. 1958. Nr 8 p 32 (USSR)

AUTHOR Glagoleva N.V.

TITLE Installation for the Introduction of Magnesium Into the Ladle in the Production of High-strength Iron (Ustanovka dlya vvoda magniya v kovsh pri proizvodstve vysokoprochnogo chuguna)

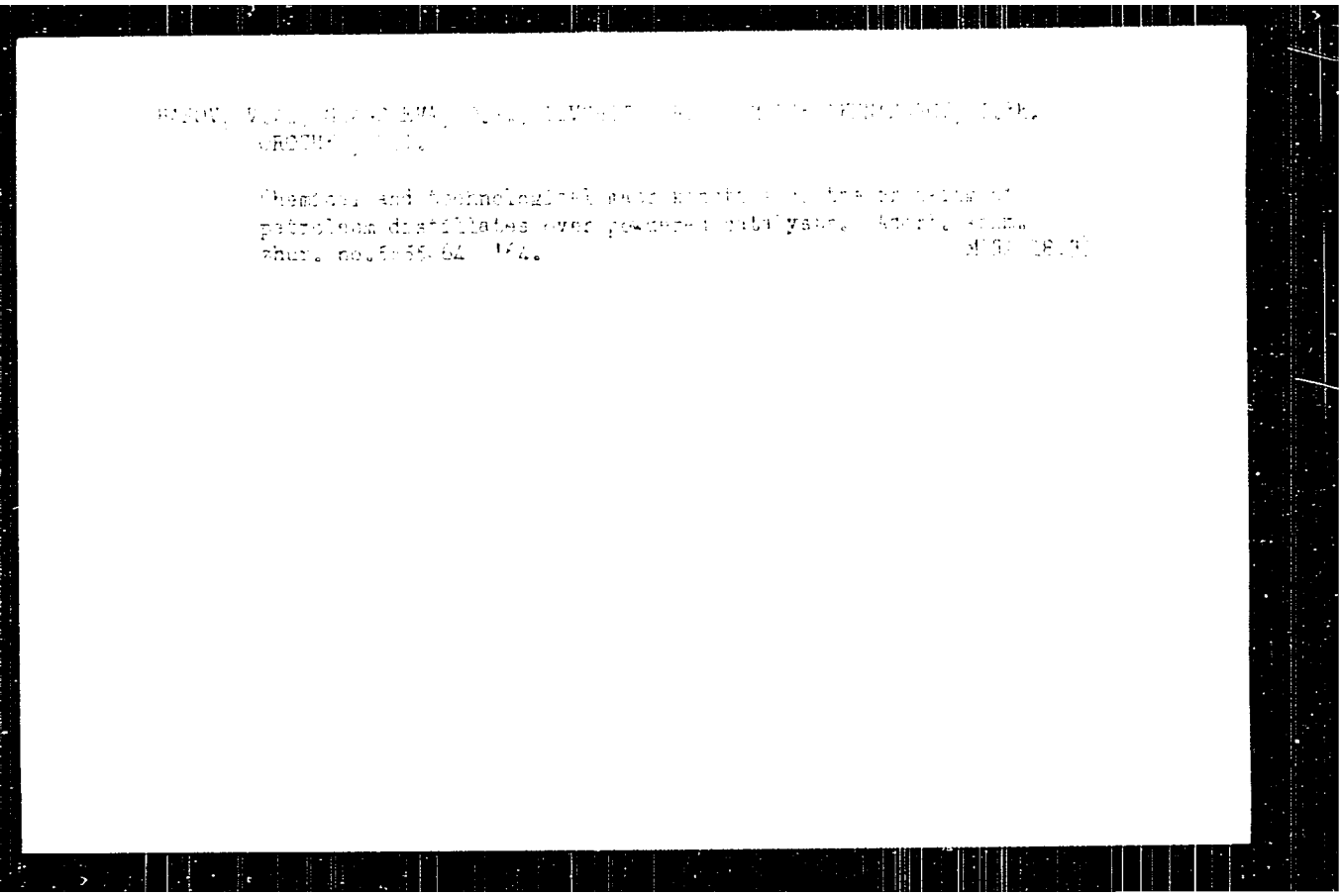
PERIODICAL Tyazh. prom-st' Podmoskov'ya. 1958, Nr 1, pp 58-59

ABSTRACT The installation for the introduction of a Mg alloy into the ladle with pig iron is described. The installation consists of a bell 500 mm in diameter, operating inside of an exhaust hood with a gas-evacuating pipe, suspended on a cantilever. The ladle with the metal is set upon a stand, then by turning a cantilever bracket the exhaust hood is placed over the ladle, and under the pressure of a weight from above on the rod the bell is lowered and immersed for 2-3 minutes in the ladle 100-200 mm from the bottom.

G.S.

1. [illegible]--Application 2. Magnesium--Introduction

Card 1/1



GLAGOLEVA, P.N.

RUBINA, M.A.; KUCHERUK, V.V.; OLSUF'YEV, N.G.; GLAGOLEVA, P.N.

Studying epizootics of tularemia in winter among common field voles in unthreshed grain and straw stacks. Report no.2; Epizootics of tularemia connected with the development of natural foci of the field-meadow type. Vop.kraev.,ob. i eksp.paraz. i med.zool. 9:119-131 '55. (MLRA 10:1)

1. Iz otdela parazitologii i meditsinskoy zoologii (nav. - akad. Ye.N.Pavlovskiy) Instituta epidemiologii i mikrobiologii imeni N.F.Gamaleya (dir. - deystvitel'nyychlen Akademii meditsinskikh nauk SSSR prof. G.V.Vygodchikov) i mezhrayonnoy protivotulyaremiynoy stantsii (nach. A.I.Nikolayeva)

(FIELD MICE--DISEASES AND PESTS) (TULAREMIA)

GLAGOLEVA P.N.

DUNAYEVA, T.N.; GLAGOLEVA, P.N.

Studying epizootics of tularemia in winter among common field voles in unthreshed grain and straw stacks. Report no.3: Studying the immunity of field voles during winter epizootics of tularemia in unthreshed grain stakes. Vop.kraev., ob. i eksp.paraz. i med. zool. 9:132-137 '55. (MLRA 10:1)

1. Iz laboratorii tulyaremii (zav. - prof. N.G.Olsuf'yev) otdela parazitologii i meditsinskoy zoologii (zav. - akad. Ye.N.Pavlovskiy) Instituta epidemiologii i mikrobiologii imeni N.F.Gamaleya Akademii meditsinskikh nauk SSSR (dir. - deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR prof. G.V.Vygodchikov) i mezhrayonnoy protivotulyaremiynoy stantsii (nachal'nik A.I.Nikolayeva)

(FIELD MICE--DISEASES AND PESTS) (TULAREMIA)

GLAGOLEVA, P.N.; YEMEL'YANOVA, O.S.

Detecting listerellosis in common field voles in unthreshed grain and straw stacks in winter. Vop.kraev.,ob.i eksp.paraz.i med.zool 9:162-167 '55. (MLRA 10:1)

1. Iz Mezhrayonnoy protivotulyaremiynoy stantsii (nach. A.I.Nikolayeva) i laboratorii tulyaremii (zav. - prof. N.G.Olsuf'yev) otdela parazitologii i meditsinskoy zoologii (zav. - akad. Ye.N.Pavlovskiy) Instituta epidemiologii i mikrobiologii imeni N.F.Gamaleya (dir. - deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR prof. G.V.Vygodchikov) Akademii meditsinskikh nauk SSSR.

(LISTERELLA) (FIELD MICE--DISEASES AND PESTS)

Enriching substrates in nitrogen compounds by growth of Azotobacter agile and Azotobacter chroococcum. A. L. Rabotnova and E. M. Olkhova (M. V. Lomonosov State Univ., Moscow). [illegible] 106, 16(1954); cf. *C.A.* 48, 9470e.—Sol. N compds. appear in the first growth stages of *A. agile* 22D and *A. chroococcum* 31 on mediums contg. NaOAc. About 80% of the N is fixed N, not as NH_3 or amino acids, though some NH_3 is formed by *A. agile*. Enrichment with N is less on mediums contg. glucose and Na lactate; only 50-80% represents fixed N. Growth is faster and more copious than with NaOAc. Assimilation of N continues as the culture continues its growth.

Julian F. Smith

S/020/63/148/001/003/032
B172/B186

AUTHOR: Glagoleva, R. Ya.

TITLE: Continuous dependence of the solution of the first boundary value problem for parabolic differential equations with negative time on the initial conditions

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 148, no. 1, 1963, 20 - 23

TEXT: The equations

$$\frac{\partial u}{\partial t} = \sum_{i,k=1}^{n} \frac{\partial}{\partial x_i}\left[a_{ik}(x_1,\ldots,x_n)\frac{\partial u}{\partial x_k}\right] + C(x_1,\ldots,x_n)u + f(t,x_1,\ldots,x_n)$$

with the conditions

$u|_{t=0} = \varphi(x,\ldots,x_n), u|_{\Gamma} = \psi(t,x_1,\ldots,x_n)$ are considered. The domain of solution R is a cylinder of the $(t,x_1,\ldots,x_n)$ space whose basal surfaces lie in the hyperplanes t=0 and t=-T; Γ denotes the lateral surface of R. Two theorems on the continuous dependence of the solution of

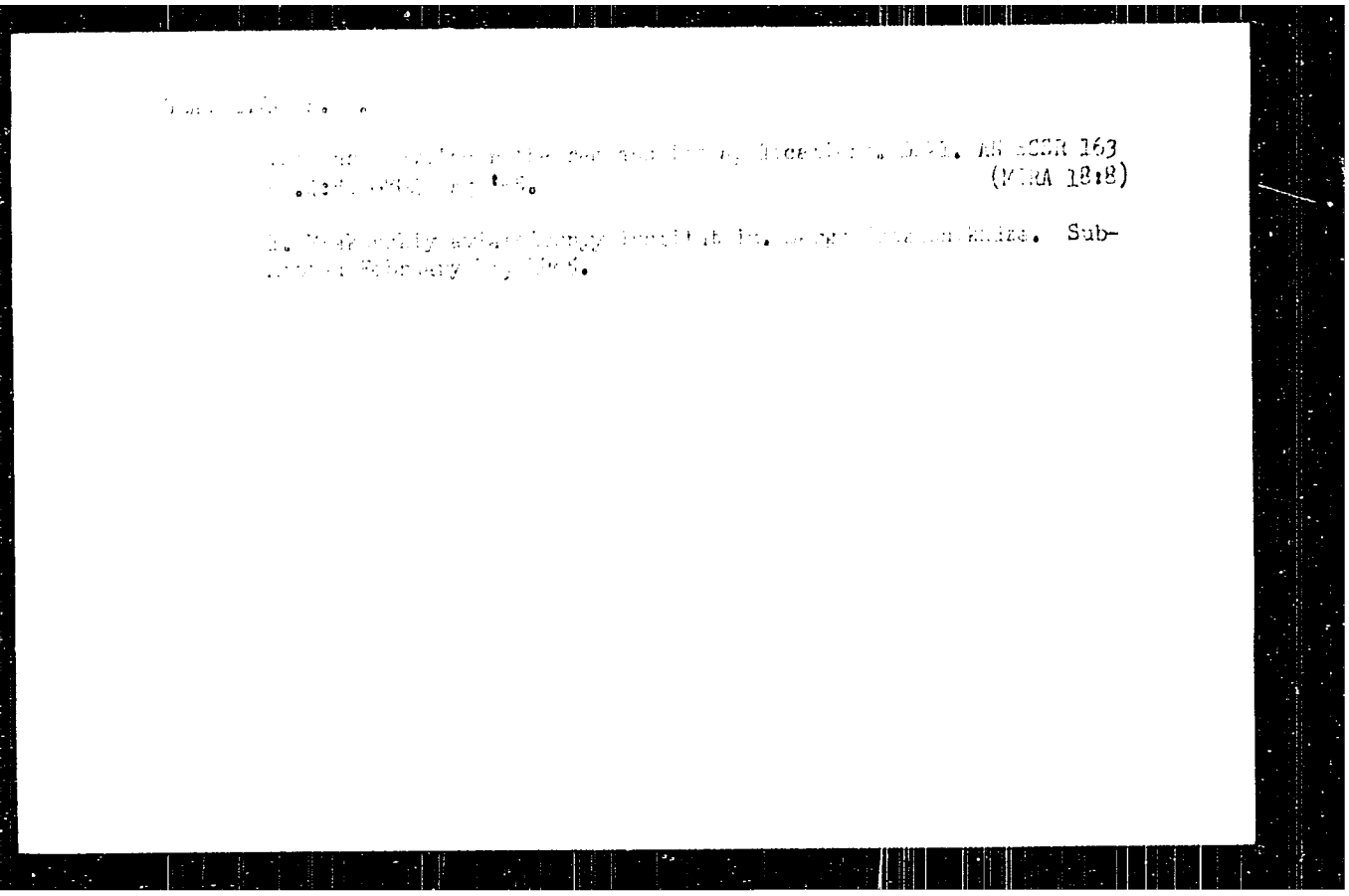
Card 1/2

the initial conditions for the class of solutions uniformly bounded in R are proved. At the same time estimates are obtained for the change of the solution when the initial functions φ is varied at fixed ψ.

ASSOCIATION: Moskovskiy aviatsionnyy institut im. S. Ordzhonikidze (Moscow Aviation Institute imeni S. Ordzhonikidze)

PRESENTED: June 30, 1962, by I. G. Petrovskiy, Academician

SUBMITTED: June 26, 1962



DENISOVA, V., inzh.; RAYKHMAN, S., starshiy nauchnyy sotrudnik; GLAGOLEVA, T., kand.tekhn.nauk; EL'TERMAN, V., kand.tekhn.nauk

Technicalinformation. Okhr.truda i sots.strakh. 5 no.4:32-35 Ap '62. (MIRA 15:4)

1. Nauchno-issledovatel'skiy institut tekhnologii avtomobil'noy promyshlennosti (for Denisova). 2. Vsesoyuznyy nauchno-issledovatel'skiy institut zheleznodorozhnogo transporta (for Raykhman).

(Technological innovations)

GLAGOLEVA, Tat'yana Aleksandrovna; NOVOSPASSKIY, V.V., red.; SHADRINA, N.D., tekhn. red.

[Natural lighting of industrial buildings] Estestvennoe osveshchenie promyshlennykh zdanii. Moskva, Profizdat, 1961. 86 p. (MIRA 15:9)

(Factories--Lighting)

GLAGOLEVA, T. A. Cand Biol Sci -- (diss) "Comparative biochemical study of certain species of perennial cereal grasses." Len., 1956. 13 pp (All-Union Order of Lenin Acad Agr Sci im V. I. Lenin. All-Union Inst of Plant Cultivation), 100 copies (KL, 11-58, 114)

GLAGOLEVA, T.A.

Photosynthesis in plants of the upper part of the alpine belt in the eastern Pamirs. Bot.zhur. 47 no.11:1567-1581 N '62. (MIRA 16:1)

1. Pamirskaya biologicheskaya stantsiya AN Tadzhikskoy SSR.
(Pamirs--Photosynthesis)

L 6692-65 EWG(j)/EWG(r)/EWT(1)/A/FS(v)-3/EWG(v)/EWG(a)/EWG(c) Pe-5/Pa-4/Pb-4
AMD DD
ACCESSION NR: AR4041666 S/0299/64/000/010/G003/G003

SOURCE: Ref. zh. Biologiya. Svodny*y tom, Abs. 10G10

AUTHOR: Glagoleva, T. A.

TITLE: Influence of lowered night temperatures on metabolism of carbon absorbed in process of photosynthesis for certain forms of pamir plants

CITED SOURCE: Tr. Pamirsk. biol. st., v. 1, 1963, 159-171

TOPIC TAGS: photosynthesis, carbon metabolism

TRANSLATION: The objects studied are wild forms of plants of the high mountain deserts of the Pamir, Eurotia ceratoides (teresken) and Astragal chadjanensis. The experimental plants, having photosynthesized in atmosphere of $C^{14}O_2$ for 30 min, were placed overnight at temperatures of -3-4° or 2-5°. The fixed material was analyzed radiochemically. 50% of the absorbed C^{14} was contained in substances of aqueous-alcohol fraction; half of all the C^{14} of this fraction was included in sugar. Amino acids and organic acids contained 10% of the

Card 1/2

absorbed C^{14}. Essential distinctions in C^{14} metabolism among the studied forms was not noted. As a result of action of low night temperatures astragal stored sugar and organic acids, teresken--only the later. Formation in these plants of organic aicds under the influence of low temperatures occurs in different ways -- in teresken, due to transformations of primary products of photo-synthesis, and in astragal -- by hydrolysis of more complicated bonds. There

plants. Bibliography: 27 references.

SUB CODE: LS ENCL: 00

Card 2/2

GLAGOLEVA, T.A.

Effect of light intensity on photosynthesis in plants of the Pamirs. Trudy Bot. inst. Ser. A no.15:197-205 '65.
(MIRA 17:2)

VOZNESENSKIY, Viktor Leonidovich; ZALENSKIY, Oleg Vyacheslavovich; SEMIKHATOVA, Ol'ga Aleksandrovna; Prinimali uchastiye: GLAGOLEVA, T.A.; FILIPPOVA, L.A.

[Methods of photosynthesis and respiration studies] Metody issledovaniia fotosinteza i dykhaniia rastenii. Moskva, Nauka, 1965. 304 p. (MIRA 18:8)

1. Laboratoriya fotosinteza Botanicheskogo instituta im.V.L. Komarova AN SSSR (for Glagoleva, Filippova).

L 27481-66 EWT(1) SCTB DD

ACC NR: AT6013447 SOURCE CODE: UR/3179/65/007/000/0120/0132

AUTHOR: Glagoleva, T. A.; Filippova, L. A.

ORG: none

TITLE: Special features of plant photosynthesis under high altitude conditions of the Pamirs

SOURCE: Vsesoyuznoye botanicheskoye obshchestvo. Problemy botaniki, v. 7, 1965. Voprosy biologii i fiziologii rasteniy v usloviyakh vysokogoriy (Problems of biology and physiology of plants at high altitudes), 120-132

TOPIC TAGS: plant ecology, photosynthesis, plant development, UV light

ABSTRACT: Photosynthesis intensity of Pamir plants growing at altitudes of 2350 to 4780 m varies with individual species, but is generally higher than for plants growing at lower altitudes in other geographical zones. The stimulating effect of high altitude conditions on phytosynthesis of Pamir plants was studied by investigating their relation to light, temperature, and $C^{14}O_2$ intake and by comparing the

Card 1/2

L 27481-66

ACC NR: AT6013447

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photosynthesis intensity of identical plants growing at different altitudes. Study findings indicate that photosynthesis intensity of Pamir plants can be attributed to the adaptive characteristics: extremely high light requirements and the capability to assimilate carbon dioxide in the presence of small concentrations and wide temperature ranges. High altitude conditions do not lead to the formation of a single physiological plant type as demonstrated by the different photosynthesis intensity values and reactions of individual species to the same external conditions: different light requirements, different carbon dioxide requirements, and different resistance of the photosynthetic apparatus to the aftereffect of low temperatures. Tables are given showing photosynthesis intensity values for 45 Pamir plants representing 21 families growing at different altitudes. Orig. art. has: 7 figures and 3 tables.

SUB CODE: 06/ SUBM DATE: none/ ORIG REF: 020/ OTH REF: 017

Card 2/2 BLG

L 4973-66 EWT(1)/EWT(m)/FS(v)-3 DD/RM

ACC NR: AP5028096 SOURCE CODE: UR/0326/65/012/006/1081/1083

AUTHOR: Zalenskiy, O. V.; Glagoleva, T. A.; Mamushina, N. S.

ORG: Photosynthesis Laboratory of the Botanical Institute im. V. L. Komarov, Academy of Sciences, SSSR, Leningrad (Laboratoriya fotosinteza Botanicheskogo instituta Akademii nauk SSSR); Physiology Institute im. I. P. Pavlov, Academy of Sciences, SSSR, Leningrad (Institut fiziologii Akademii nauk SSSR)

TITLE: The effect of temperature on the content of free amino acids in Chlorella pyrenoidosa

SOURCE: Fiziologiya rasteniy, v. 12, no. 6, 1965, 1081-1083

TOPIC TAGS: plant physiology, plant chemistry, chlorella, amino acid

ABSTRACT: A quantitative determination was made of the amount of free amino acids in Chlorella pyrenoidosa under the influence of different temperatures. Three samples of a Chlorella suspension were placed in the dark for 5 hr at temperatures of 4, 22, and 35C. The amount of individual free amino acids was determined by paper chromatography. Experimental results are given in Table 1. Since a control

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Table 1. The effect of different temperatures on the content of free amino acids in Chlorella

Amino acids	Content of free amino acids, mg/g of dry substance			
	In initial sample	After keeping in the dark 5 hr at		
		4°	22°	35°
Glutamic acid	2.4	4.5	2.6	1.2
Aspartic acid	0.5	0.9	0.5	1.0
Alanine	2.2	2.3	2.3	2.8
Serine	0.9	0.9	1.0	1.0
Glutamine	1.3	1.2	1.4	1.8
Glycine	0.7	1.0	—	1.0
Threonine	0.4	0.5	0.4	0.5
Leucine	0.2	—	0.2	0.4
Valine	0.3	—	0.3	0.6
Phenylalanine	0.2	0.2	—	0.4
Tyrosine	0.1	0.1	0.1	0.3
Cystine	0.2	—	—	0.4
Arginine	0.2	0.2	—	0.4
Histidine	0.3	—	0.3	0.3

sample kept in the dark at 22C showed no changes in amino acid composition, all the quantitative differences observed in experimental samples can be attributed solely to the influence of temperature. The increases observed in glutamic and aspartic acid contents at low temperature agree with the results of previous experiments on higher plants. Likewise, the decrease in the glutamic acid content at high tem-

L 4973-66

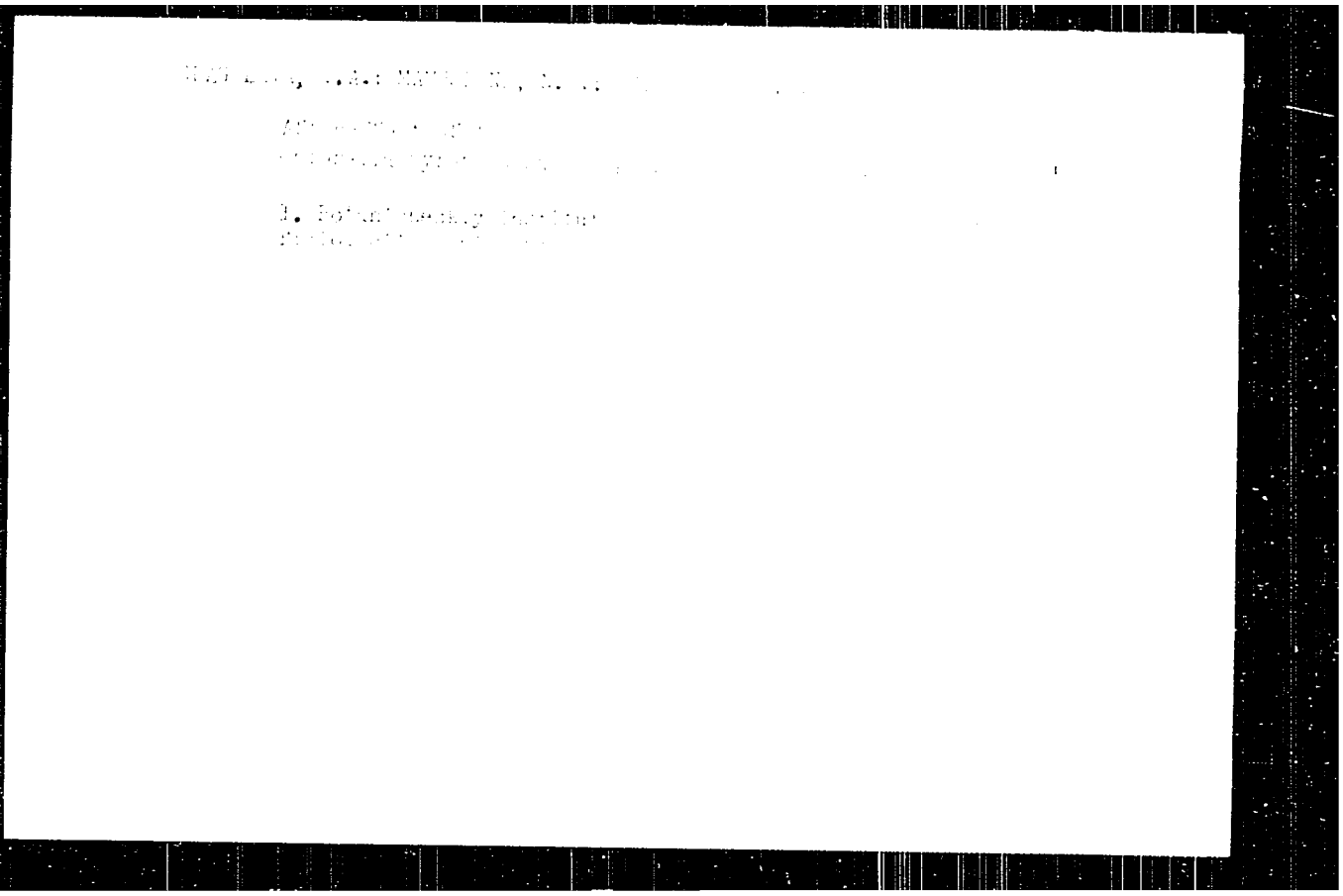
ACC NR: AP5028096

perature has also been observed in higher plants. Various explanations for the consumption of glutamic acid at high temperature are considered. Orig. art. has: 1 table.

[JS]

SUB CODE: LS/ SUBM DATE: 29Jun64/ ORIG REF: 005/ OTH REF: 011/ ATD PRESS: 4138

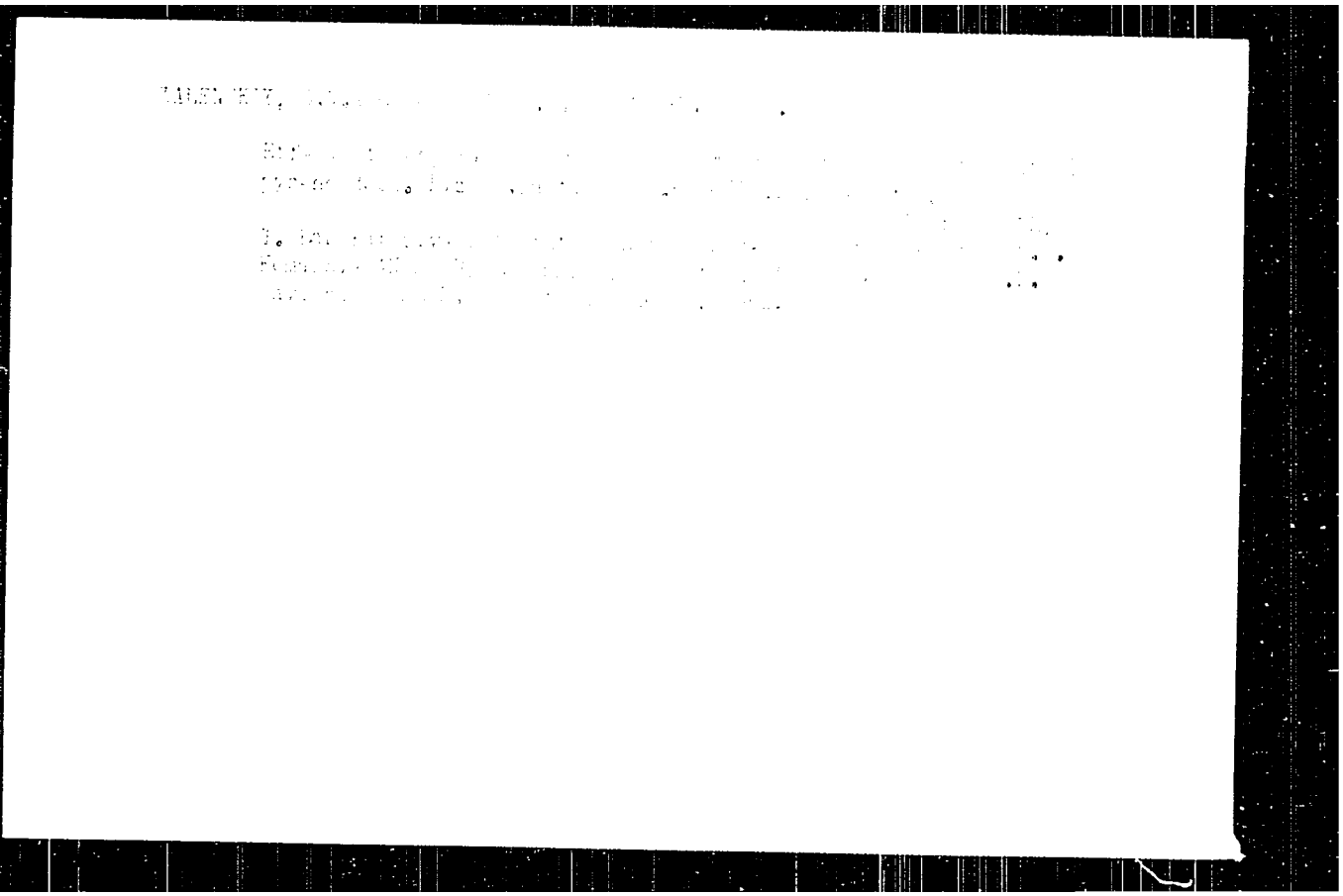
Card 3/3



GLAGOLEVA, T.A.; MAMUSHINA, N.S.; ZALENSKIY, O.V.

Carbon C^{14} metabolism in Chlorella pyrenoidosa Chick. in light and in darkness. Bot.zhur. 50 no.2:173-181 F '65.
(MIRA 18:12)

1. Botanicheskiy institut imeni V.L.Komarova AN SSSR, Leningrad.
Submitted June 15, 1964.



ACC NR: AP[illegible] SOURCE CODE: UR/0319/66/051/012/1683/1693

AUTHOR: Glazoleva, T. A.; Zalenskiy, O. V.

ORG: Botanical Institute imeni V. L. Komarov, Academy of Sciences SSSR, Leningrad (Botanicheskiy institut akademii nauk SSSR)

TITLE: The bioenergetics of assimilatory cells of Chlorella pyrenoidosa Chick.

SOURCE: Botanicheskiy zhurnal, v. 51, no. 12, 1966, 1683-1693

TOPIC TAGS: plant respiration, photosynthesis, chlorella

ABSTRACT:

The relationship between photosynthesis and respiration in intact cells of Chlorella pyrenoidosa Chick. was investigated from the point of view of energetics. The rate of photophosphorylation and oxidative phosphorylation was estimated indirectly, based on ATP consumption. One of the processes known to require the energy is the biosynthesis of polysaccharides; therefore, this process was chosen as an index of the phosphorylation rate. The rate of polysaccharide biosynthesis was estimated on the basis of the intensity of incorporation of C^{14} into these compounds. The suspension of Chlorella pyrenoidosa was exposed to different gas mixtures after photosynthesis in

Card 1/2 UDC: 577.3:581.13:582.26

a normal atmosphere with $C^{14}O_2$. It was necessary to distinguish between photophosphorylation and oxidative phosphorylation. It was found that the energy requirement for biosynthesis of polysaccharides in light is supplied entirely at the expense of photophosphorylation, while in dark, oxygen is necessary for this biosynthesis. Such a conclusion was reached on the basis of results of experiments in dark where the rate of polysaccharide biosynthesis was correlated with oxygen concentration. In light, the rate of biosynthesis of polysaccharides did not depend on oxygen concentration. Biosynthesis of polysaccharides in dark by oxidative phosphorylation amounted to 30—40% of that occurring in light, when photophosphorylation takes place. The exclusion of CO_2 from the atmosphere decreased the incorporation of C^{14} into polysaccharides by approximately 25—30%.

SUB CODE: 06/ SUBM DATE: 19Aug66/ ORIG REF: 006/ OTH REF: 012
ATD PRESS: 5113

GIAGOLEVA, T. A., Engr. Cand. Tech. Sci.

Dissertation: "Method for Evaluating the Significance of Natural Illumination for Power Consumption." Moscow Order of Lenin Power Engineering Inst imeni V. M. Molotov, 11 Apr 47.

SO: Vechernyaya Moskva, Apr, 1947 (Project #17836)

RAKITIN, G.A.; VLASOV, A.F.; GLAGOLEVA, T.A., kandidat tekhnicheskikh nauk; KOROL'KOVA, V.I., kandidat tekhnicheskikh nauk; KUZNETSOV, Ye.I.; KUCHERUK, V.V., kandidat tekhnicheskikh nauk; PROKOPOPOV, A.P.; KHOTSYANOV, L.F., professor; DUBOVA, A.B., redaktor; KIRSANOVA, N.A., tekhnicheskiy redaktor.

[Labor protection] Okhrana truda. Izd. 2-oe, ispr. Moskva Izd-vo VTsSPS Profizdat, 1956. 278 p. (MLRA 9:5)

1.Moscow. Moskovskaya vysshaya shkola profdvizheniya. 2.Chlen-korrespondent Akademii meditsinskikh nauk (for Khotsyanov).
(INDUSTRIAL HYGIENE) (INDUSTRIAL SAFETY)

BROMLEY, M.F., kandidat tekhnicheskikh nauk; GLAGOLEVA, T.A., kandidat tekhnicheskikh nauk; SHIFMAN, G.M., kandidat meditsinskikh nauk; UVAROVA, A.F., tekhnicheskiy redaktor

[Measures for improving working conditions in foundries] Meropriiatiia po uluchsheniiu uslovii truda v chugunoliteinykh tsekhakh. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1957. 98 p. (MLRA 10:7)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut okhrany truda.

(Foundries)

GLAGOLEVA, Tat'yana Aleksandrovna; KANAVETS-YAKOVLEVA, Ol'ga Lukinichna; POLLAK, Sergey Vladimirovich; SOKOLOV, Mikhail Vasil'yevich, prof.; SHAYKEVICH, Aleksandr Semenovich; ASHKENAZI, G.I., red.; LARIONOV, G.Ye., tekhn.red.

[Lighting for construction and assembly work at hydroelectric power stations] Osveshchenie stroitel'nykh i montazhnykh rabot pri sooruzhenii gidroelektrostantsii. Pod red. M.V.Sokolova. Moskva, Gos.energ.izd-vo, 1957. 142 p. (MIRA 11:1)
(Building) (Lighting)

DANTSIG, N.M., professor.;GLAGOLEVA, T.A., kandidat tekhnicheskikh nauk.;KROL', TS. I., kandidat tekhnicheskikh nauk.;SHAYKEVICH, A.S., kandidat tekhnicheskikh nauk.

New projected norms for artificial lighting. Svetotekhnika 3 no.5:15-17 My '57. (MLRA 10:5)
(Lighting--Standards)

GLAGOLEVA, T.A., kand. tekhn. nauk; TRUSOVA, A.F., inzh.

Visibility measurements by L.L. Dashkevich's gauges. Svetotekhnika 4 no. 8:1-5 Ag '58. (MIRA 11:?)

1. Moskovskiy institut okhrany truda Vsesoyuznogo tsentral'nogo soveta profsoyuzov.
(Visibility measurements)

GLAGOLEVA, T.A., kand.tekhn.nauk

Lighting shiny metallic surfaces. Svetotekhnika 4 no.11:8-13 N '58. (MIRA 11:11)

1. Moskovskiy institut okhrany truda Vsesoyuznogo tsentral'nogo soveta profsoyuzov.
(Factories--Lighting)

GLAGOLEVA, T.A., kand.tekhn.nauk; VERNER, V.V., inzh.; SOKOLOV, V.I.; VTOROV, K.I.; BOROVOY, A.I.; STROKOV, I.G.; DADIOMOV, M.S., inzh.; PETROVA, V.V., red.izd-va; BOROVNEV, N.K., tekhn.red.

[Norms (SN 81-60) for the electric lighting of construction and assembling operations] Normy elektricheskogo osveshcheniia stroitel'nykh i montazhnykh rabot SN 81-60. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1960. 18 p. (MIRA 13:7)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. Moskovskiy institut okhrany truda Vsesoyuznogo tsentral'nogo soveta profsoyuzov (for Glagoleva). 3. Spetsial'noye konstruktorsko-naladochnoye byuro Glavmosstroya (for Verner, Sokolov, Vtorov, Borovoy, Strokov). 4. Leningradskiy filial instituta Orgenergostroy Ministerstva stroitel'stva elektrostantsiy SSSR (for Dadiomov).

(Electric lighting)

IGNATOK, A.I., inzh.; BETEREV, M.M., kand.tekhn.nauk, red.; PODVOL'SKIY, L.I., starshiy inzh., red.; EL'TERMAN, V.M., kand.tekhn.nauk, red.; KUGINIS, B.L., red.; VASIL'YEV, Ye.V., starshiy inzh., red.; NEVSKIY, A.I., inzh., red.; GLAGOLEVA, T.A., kand.tekhn.nauk, red.; VROBLEVSKIY, R.V., red.

[Safety engineering regulations and industrial hygiene in electric welding operations] Pravila tekhniki bezopasnosti i proizvodstvennoi sanitarii pri elektrosvarochnykh rabotakh. Moskva, Gos. nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1960. 38 p. (MIRA 14:6)

1. Profsoyuz rabochikh mashinostroyeniya. TSentral'nyy komitet. 2. Moskovskiy institut okhrany truda Vsesoyuznogo tsentral'nogo soveta professional'nykh soyuzov (for Beterev, El'terman, Glagoleva). 3. Nauchno-issledovatel'skiy tekhnologicheskiy institut avtomobil'noy promyshlennosti (for Podvol'skiy). 4. Glavnyy tekhnicheskiy inspektor TSentral'nogo komiteta profsoyuza (for Kuginis). 5. Nauchno-issledovatel'skiy institut tekhnologii traktornogo i sel'skokhozyaystvennogo mashinostroyeniya (for Vasil'yev). 6. Nachal'nik podotdela energooborudovaniya avtozavoda im. Likhacheva (for Nevskiy). 7. Vedushchiy inzh. Vsesoyuznogo proyektno-tekhnologicheskogo instituta stroitel'nogo i dorozhnogo mashinostroyeniya (for Vroblevskiy).

(Electric welding--Safety measures)

GLAGOLEVA, T.A., kand.tekhn.nauk; DADIOMOV, M.S., inzh.

Standards for the electric lighting of construction projects and installation operations. Svetotekhnika 6 no.5:1-3 My '60.
(MIRA 13:12)

1. Moskovskiy institut okhrany truda Vsesoyuznogo tsentral'nogo soveta profsoyuzov (for Glagoleva). 2. Leningradskiy filial instituta "Orgenergostroy" (for Dadiomov).
(Electric lighting--Standards)

S/196/62/000/013/009/018
E032/E114

AUTHORS: Glagoleva, T.A., and Dashkevich, P.L.

TITLE: Attachments for the measurement of luminance

PERIODICAL: Referativnyy zhurnal, Elektrotekhnika i energetika, no.13, 1962, 5, abstract 13 V 33. (In: Sb. nauchn. rabot in-tov okhrany truda VTsSPS, no.5, 1961, 61-67).

TEXT: Two attachments, NIOT-N-1 (NIOT-N-1) and NIOT-N-2 (NIOT-N-2) for the Yu-16 (Yu-16) luxmeter have been developed for the measurement of luminance of surfaces in the control of illuminating installations. These attachments are in the form of a tube with the photocell of the luxmeter attached to one end and a demountable lid at the other. The NIOT-N-1 attachment (L = 247 mm) carries slits whose dimensions correspond to those of the working area of the photocell (45x45 mm). The NIOT-N-2 attachment (L = 125 mm) consists of nine cells of square cross-section. The

Card 1/2

Attachments for the measurement of ... S/196/62/000/013/009/018
B052/B114

Luminance B of the surface under investigation is determined from the illuminance E produced on the surface of the photocell by means of the relation B = Ec, where c is a coefficient which depends on the length of the attachment and the dimensions of the entrance aperture of the lid. A description is given of a method of calibrating the attachments, and calibration curves are reproduced. The attachments ensure an accuracy of luminance measurements which is sufficient for practical purposes.
9 figures.

ASSOCIATION: Moskovskiy in-t okhrany truda
(Moscow Institute of Labour Protection)

[Abstractor's note: Complete translation.]

Card 2/2

GLAGOLEVA, T.A., kand.tekhn.nauk

Tables for calculating the illuminancy of general-purpose lighting fixtures with DRL lamps. Svetotekhnika 8 no.7:23-27 Jl '62. (MIRA 15:6)

1. Moskovskiy institut okhrany truda Vsesoyuznogo tsentral'nogo soveta professional'nykh soyuzov.
(Electric light fixtures)
(Electric lighting--Tables, calculations, etc.)

GLAGOLEVA T. K.

USSR / Farm Animals, Domestic Fowl Q-7

Abs Jour: Ref Zhur-Biol., No 2, 1958, 7248

Author : R. K. Maslennikova, T. K. Glagoleva
Inst : Stavropol Agricultural Institute
Title : On the Question of the Loss of Weight in Chicken Eggs in the Incubator of the "Records-39" Type

Orig Pub: Sb. n-i. rabot stud. Stavropol'sk. s-kh. in-t. 1956, vyp. 4, 150-151

Abstract: The average loss in weight of a chicken egg during the entire period of its incubation in the incubator of the Record-39 type has been determined (9.5 to 10.9 percent). Various degrees of "shrinkage" have been observed in eggs varying in weight. The greatest loss in weight has been observed in small eggs, and the

Card 1/2

GLAGOLEVA, V.A. (Moskva)

Toxoplasmosis in obstetrical practice. Fel'd. i akush. 25 no.12: 13-18 D '60. (MIRA 13:12)
(TOXOPLASMOSIS) (PREGNANCY, COMPLICATIONS OF)

GLAGOLEVA, V. P.

USSR.

548.5 : 537.312.62

11530. The structures of superconductors. I. Study of the system bismuth/nickel. Preparation and investigation of single crystals of Bi_2Ni. O. S. ZHDANOV, V. P. GLAGOLEVA, N. N. ZHURAVLEV AND YU. N. VENEVTSEV. *Zh. Eksper. Teor. Fiz.*, 25, No. 1 (7), 115–22 (1953) *In Russian.*

Diagrams showing hardness and density of solid phases in the Bi–Ni system were constructed. BiNi, which has the NiAs structure, was both the hardest and densest phase to appear. Either BiNi or Bi_2Ni crystals could be produced from the same melt, depending on the degree of superheating. A technique for the production of the latter was elaborated and the unit cell was measured. [See Abstr. 11567 (1954) for full details. For Pt II, see Abstr. 11077 (1954).]

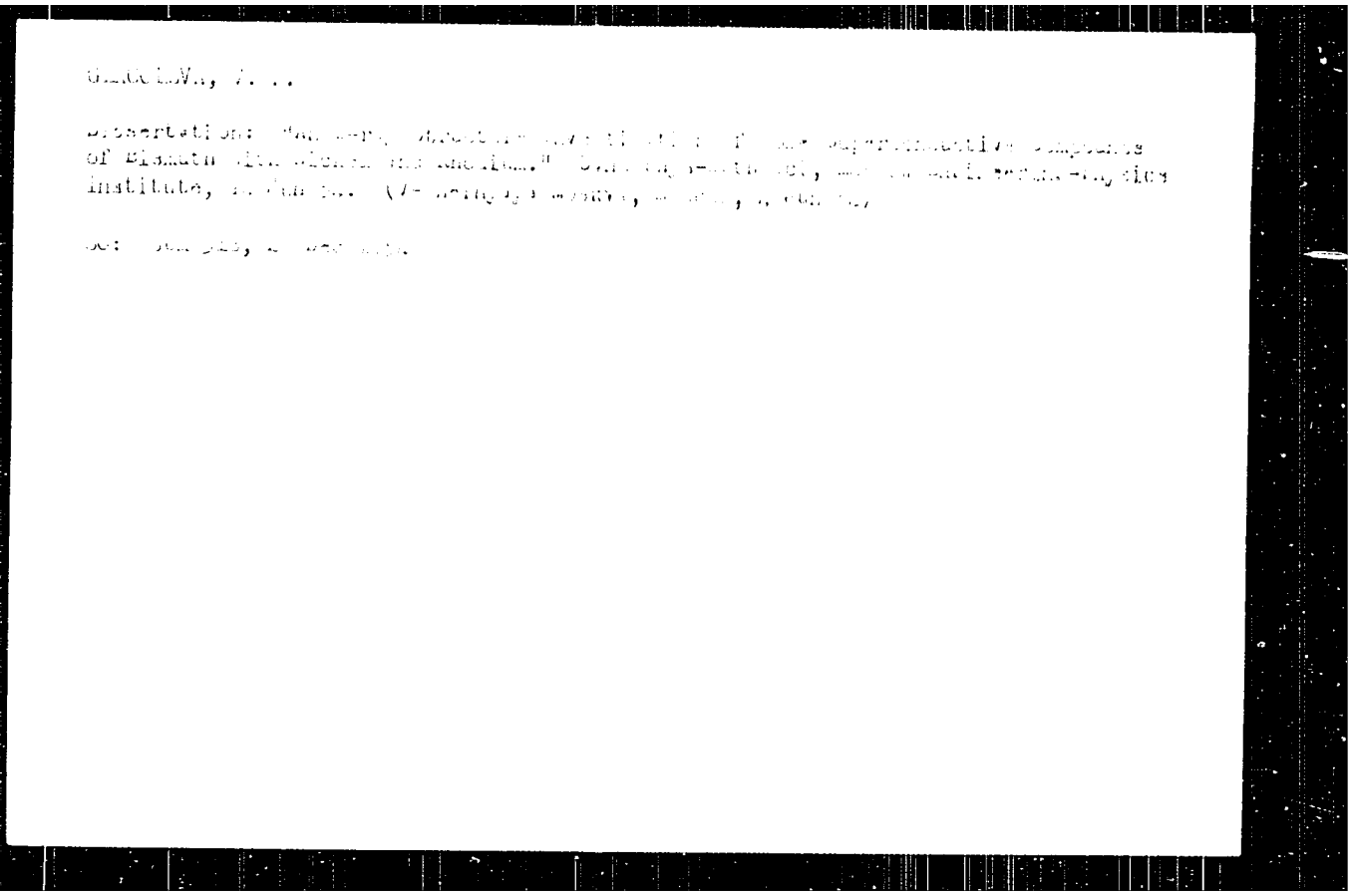
A. L. MACKAY

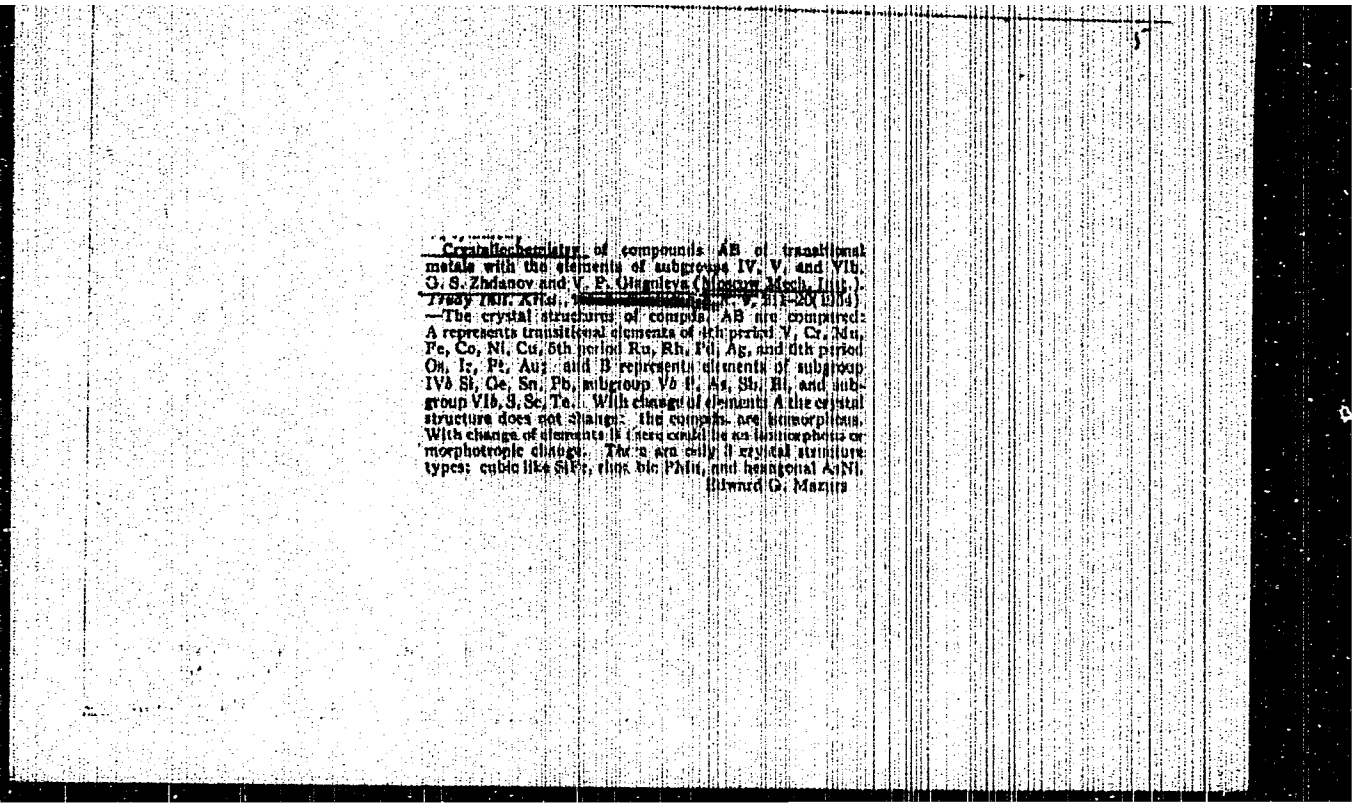
BB

USSR

Structure of superconductors. III. X-ray investigation of the structure and solubility of components in BiRh. V. P. Glagoleva and G. S. Zhdanov (Moscow Mech. Inst.-I.—*Zhur. Eksptl. i Teoret. Fiz.* 25, 243-51(1953); cf. *C.A.* 49, 6650a.—BiRh was prepd. by melting the components together in closed quartz tubes in inert gas and annealing them at 800° for 240 hrs. in a vacuum. The lattice has an AsNi lattice structure, group D_{6h}^4-$C6/mmc$, the lattice consts. being $a = 4.094 \pm 0.001$; $c = 5.953 \pm 0.002$ A.; d. 12.5 ± 0.1 g./cc. The lattice consts. are modified by excess Bi (formation of Bi_3Rh) to $a = 4.075$; $c = 5.960$ A. In this lattice the coördination no. of Rh is 8, that of Bi is 12. The Bi atoms are placed in a hexagonal close-packed cell, the Rh atoms in an octahedric cell inscribed in the hexagonal cell. The distances Rh-Bi, Rh-Rh, and Bi-Bi are 2.76, 2.83, and 3.07 A., resp. The compn. of the solid soln. $BiRh_x$ varies in the limits $0.81 \leq x \leq 0.91$.

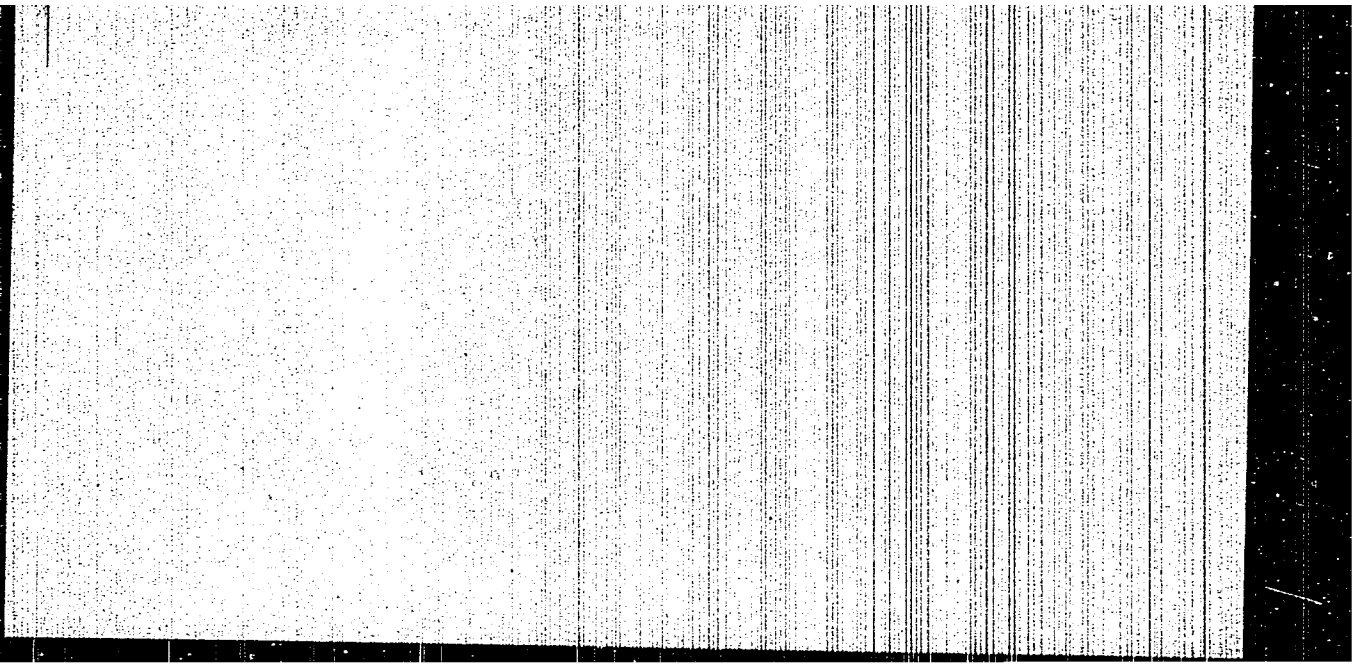
S. Fakuver





Crystallochemistry of compounds AB of transitional metals with the elements of subgroups IV, V, and VIb. G. S. Zhdanov and V. P. Glagoleva (Moscow Mech. Inst.). Zhur. Fiz. Khim., [illegible] V, 811–20 (1934).—The crystal structures of compds. AB are compared: A represents transitional elements of 4th period V, Cr, Mn, Fe, Co, Ni, Cu, 5th period Ru, Rh, Pd, Ag, and 6th period Os, Ir, Pt, Au; and B represents elements of subgroup IVb Si, Ge, Sn, Pb, subgroup Vb P, As, Sb, Bi, and subgroup VIb, S, Se, Te. With change of elements A the crystal structure does not change; the compds. are isomorphous. With change of elements B there could be an isomorphous or morphotropic change. There are only 3 crystal structure types: cubic like SiFe, rhombic like PhBi, and hexagonal AsNi.

Edward G. Mazurs



APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000500010008-7"

GLAGOLEVA, V. P.

USSR/Atomic and Molecular Physics - Low Temperature Physics, B-3

Abst Journal: Referat Zhur - Fizika, No 12, 1956, 34038

Author: Glagoleva, V. P.

Institution: Moscow Engineering-Physics Inst.

Title: Structure of Superconductors. IX. Roentgenographic Determination of α-Bi_4Rh

Original Periodical: Zh. eksper. i teoret. fiziki, 1956, 30, No 2, 248-251

Abstract: X-ray diffraction was used to determine the structure of the alpha-modification of Bi_4Rh -- the low temperature modification of this compound, which does not transform into the superconducting state until it reaches 0.1°K. The position of the Bi and Rh atoms in the crystalline lattice, the interatomic distances, and the number of neighboring atoms were determined. The Bi atoms occupy position 96 h, the Rh atoms position 24 c. The coordination number of the Bi atoms is 11, that of Rh is 8. The method of constructing the cross sections and projections of the series of interatomic vectors and the series of electron density were used to determine the positions of the atoms in the lattice.

1 of 1

L 55918-65 EWT(m)/EPR/T/EWP(t)/EWP(b)/EWA(c) Pe-4 JP(c) JD

ACCESSION NR: AP5018344 UR/0131/64/000/005/0171/0175

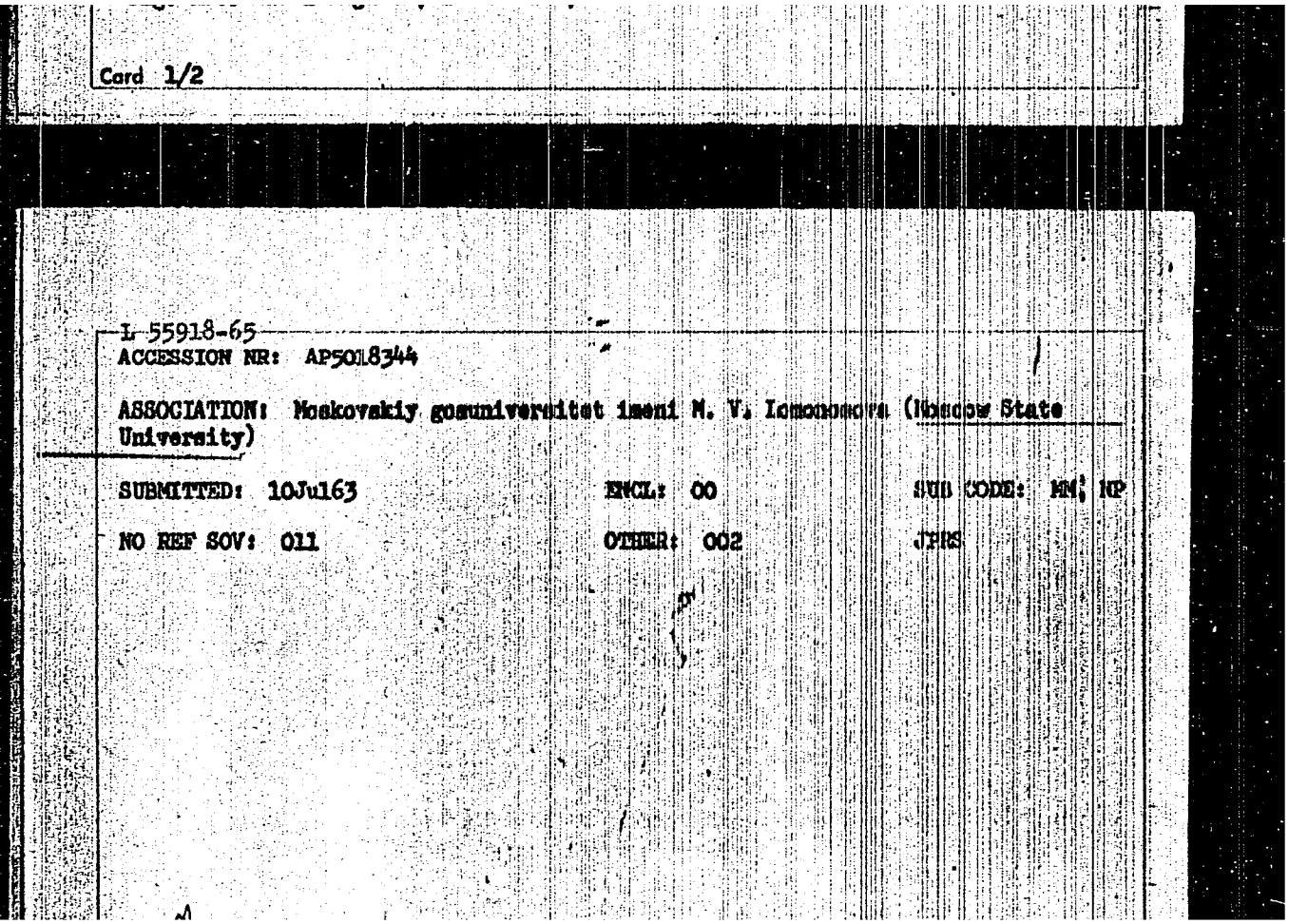
AUTHOR: Glagoleva, V. P.; Iveronova, V. I.; Kassandrova, O. N.

TITLE: Influence of the K-state on the magnitude of the mean-square displacements of atoms of an Fe-Al alloy

SOURCE: IVUZ. Fizika, no. 5, 1964, 171-175

TOPIC TAGS: iron alloy, aluminum alloy, metal heat treatment, x ray analysis, atomic structure

Abstract: The mean-square values of the displacements of atoms of Fe-Al alloy samples (8% Al by weight) subjected to different heat treatments and



Card 1/2

L 55918-65
ACCESSION NR: AP5018344

ASSOCIATION: Moskovskiy gosuniversitet imeni M. V. Lomonosova (Moscow State University)

SUBMITTED: 10Jul63 ENCL: 00 SUB CODE: MM, NP

NO REF SOV: 011 OTHER: 002 JPRS

GLAGOLEVA, V. V.; [illegible], Yu. S.

"[illegible] ..."

Report submitted for [illegible]

L 15322-65 Pa-4/Pb-4 AFWL/SSD/AS(mp)-2/AMD/AFTC(b)
ACCESSION NR: AP4042480 S/0217/64/009/004/0508/0515

AUTHOR: Gamburtseva, A. G.; Glagoleva, V. V.; Basurmanova, O. K. 15

TITLE: Mitochondrion ultrastructure changes of various tissues under the influence of certain effects

SOURCE: Biofizika, v. 9, no. 4, 1964, 508-515

TOPIC TAGS: cell cytoplasm, mitochondrion, ultrastructure change, rat, white mouse, cricket, functional shift effect, ether, fatigue, flashing light, electron microscope

ABSTRACT: To determine whether the ultrastructure of mitochondria is affected by body functional changes, fatty tissues of young rats under ether, sartorius muscles of fatigued white mice, and eye ganglia of crickets with a light flashing on the retina were investigated and preliminary results are reported. Tissues were fixed in a 1% OsO_4 solution in a veronal-acetate buffer (pH 7.4) at a temperature of approximately 0°C, and the fixing time varied from 1.5 to 4 hrs depending on tissue type. The dehydrated tissues were then covered with a methyl- and butyl-methacrylate mixture (1:4) and polymerized in a thermostat at 45°C. Ultrathin sections were cut with a LKV

Card 1/2

L 15322-65
ACCESSION NR: AP4042480

ultratome, stained, and examined with a UEM-100 electron microscope. Three types of mitochondrion ultrastructure changes were found: formation of large vacuoles markedly separated from the rest of the mitochondria, formation of membrane agglomerates, and formation of osmiophil granules. All of these changes were the result of reversible vital functional shifts produced by external factors. Whether all three types of mitochondrion ultrastructure change are different stages of the same process or are specific for each case is difficult to determine at this time. The investigation data confirm literature studies which indicate that mitochondria are the first to react to various chemical, physical, and functional influences by changing their organizational structure. Orig. art. has: 9 figures.

ASSOCIATION: Institut biologicheskoy fiziki AN SSSR, Moscow (Biological Physics Institute, AN SSSR)

SUBMITTED: 04Apr64 ENCL: 00 SUB CODE: LS

NR REF SOV: 001 OTHER: 010

Card 2/2

CHECHULIN, Yu.S.; GLAGOLEVA, T.V.

Ultrastructure of the heart in early stages of experimental myocardial infarct. Dokl. AN SSSR 158 no.[illegible] '64.

(MIRA 17:10)

1. Institut serdechno-sosudistoy khirurgii AMN SSSR i Institut biologicheskoy fiziki AN SSSR. Predstavleno akademikom N.N.Anichkovym.

GOL'FAND, I.M.; GLAGOLEVA, Ye.G.; KIRILLOV, A.A.

[The [illegible] coordinate method] [illegible] Moskva, Nauka, 19[illegible] [illegible] p. (Bibliotechka fiziko-matematicheskoi shkoly. Matematika, no.1) (MIRA 18:8)

SOV/81-59-16-55515

Translation from: Referativnyy zhurnal. Khimiya, 1959, Nr 16, p 75 (USSR)

AUTHOR: Glagoleva, Ye.P.

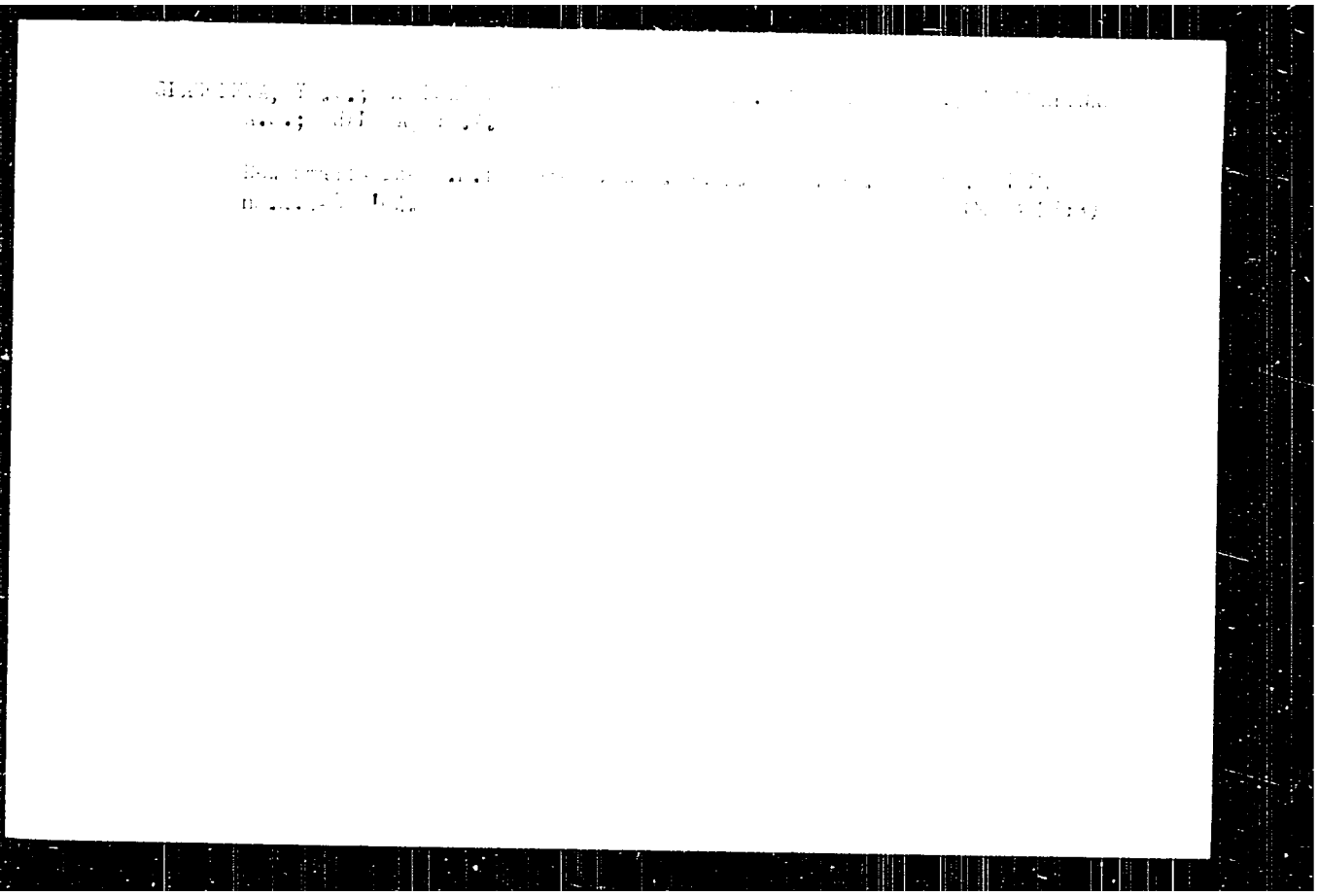
TITLE: The Investigation of the Hydrolysis of a Depolarizer in Saturated Normal Elements

PERIODICAL: Tr. Vses. n.-i. in-ta metrol., 1958, Nr 34 (94), pp 61-66

ABSTRACT: It is noted that one of the causes of the lowering of emf of a normal element at long storing may be the hydrolysis of the depolarizer (Hg_2SO_4). It has been shown by the determination of the pH of the electrolytes of a normal element, which have been prepared in different years, that 5 - 10 years after the preparation an equilibrium concentration of H_2SO_4 is apparently reached which is equal to 0.0025 n. For weakening the hydrolysis of the depolarizer it is recommended to introduce H_2SO_4 (0.002 - 0.003 n) into the electrolyte.

M. Shul'ts

Card 1/1



GLAGOLEVA, Ye V.

Methylpseudoionone and pseudoionone. E. V. Glagoleva. Rum. 43,803, Aug. 31, 1935. Citral is condensed with MeEtCO or Me_2CO in the presence of anhydrous caustic. After the completion of the reaction, the caustic is neutralized by means of CO_2.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

Glagoleva, Ye.V.

USSR/Organic Chemistry. Synthetic Organic Chemistry. E-2

Abs Jour: Ref Zhur - Khimiya, No. 8, 1957, 26795.

Author : Kul'bakh, V.O.; Glagoleva, Ye.V.
Inst :
Title : To The Question of Continuous Dissociation of Excess of Chlorosulfonic and Separation of Arylsulfochlorides.

Orig Pub: Med. prom-st' SSSR, 1954, No. 4, 17 - 20; Correction: 1955, No. 1, 47.

Abstract: At the production of arylsulfochlorides by the action of an excess of $ClSO_3H$ on aromatic hydrocarbons it is recommended to treat the reaction mixture with 70%-ual H_2SO_4, in which the solubility of HCl (gas) is the least, is produced. This will permit to rise the yield of HCl (acid) as of a byproduct. Next arylsulfochloride is

Card 1/2

KIRILLOVA, E.I.; MATVEYEVA, Ye.N.; GLAGOLEVA, Yu.A.; FRATKINA, G.P.; USMANOVA, N.F.

Aging of polystyrene plastics. Thermal stability of polystyrene polymers. Plast. massy no.11:3-6 '63. (MIRA 16:12)

L 2272-66 EWT(m)/EPF(c)/EWP(j)/T/ETC(m) WW/RM

ACCESSION NR: AP5022228 UR/0191/65/000/009/0055/0059
678.746.019.39:01:543.42

AUTHOR: Fratkina, G. P.; Kirillova, E. I.; Glagoleva, Yu. A.; Laytman, K. A.

TITLE: Study of the thermal and light aging of certain polystyrene plastics by means of infrared spectroscopy

SOURCE: Plasticheskiye massy, no. 9, 1965, 55-59

TOPIC TAGS: polystyrene, light aging, thermal aging

ABSTRACT: The aging of polyvinyltoluene and impact-resistant block polystyrene was studied on films 50-100 μ thick. Infrared spectra of the decomposition products were used for their identification. A comparison of the thermal and light aging of the two compounds studied, which differ in the presence of one CH_3 group at the para position in the benzene ring of polyvinyltoluene, points up a marked difference in their behavior: (1) during the aging of polystyrene, the main process taking place is the destruction of the chains, whereas during the aging of polyvinyltoluene, the process is cross-linking, and (2) the main oxidation products of polystyrene are aromatic ketones, whereas the oxidation of polyvinyltoluene produces chiefly aromatic aldehydes. Chemical mechanisms

Card 1/2

L 2272-66

ACCESSION NR: AP5022228

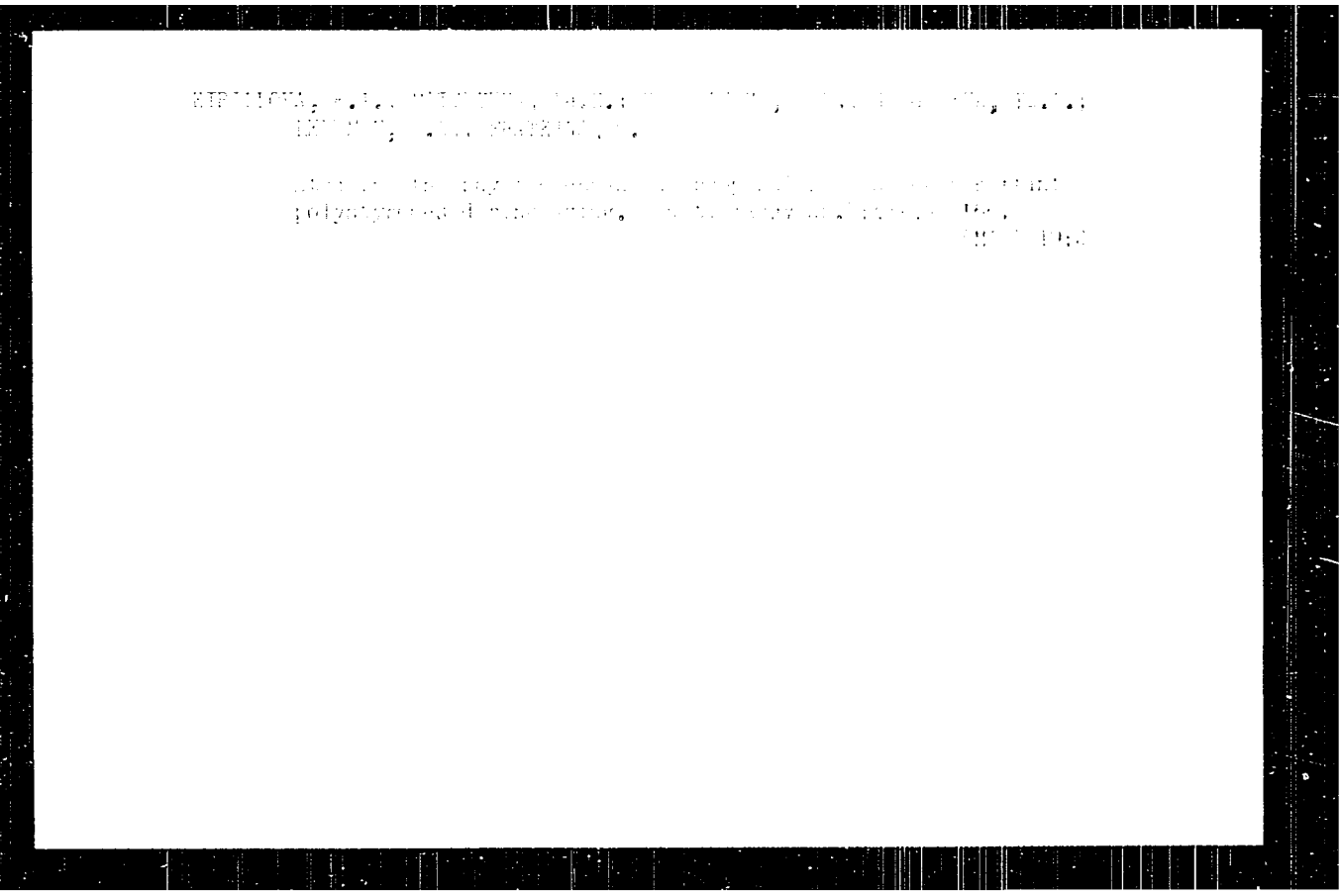
are proposed to explain both types of these types of behavior. Orig. art. has: 9 figures.

ASSOCIATION: none

SUBMITTED: 00 ENCL: 00 SUB CODE: MT, OP

NO REF SOV: 005 OTHER: 004

Card 2/2 OP



L 24705-66 EWT(m)/EWP(j) IJP(c) RM

ACC NR: AP6009534 (A) SOURCE CODE: UR/0413/66/000/005/0069/0069

INVENTOR: Kirilova, E. I.; Olagoleva, Yu. A.; Larin, N. A.; Matveyeva, Ye. N.; Lebedeva, Ye. Ya.; Smirnova, V. S. 27 B

ORG: none

TITLE: Method for photostabilization of polystyrene. Class 39, No. 179467 [announced by the State Scientific Research Institute of Polymerized Plastics and Experimental Plant (Gosudarstvennyy nauchno-issledovatel'skiy institut polimerizatsionnykh plastmass i eksperimentalnyy zavod)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 5, 1966, 69

TOPIC TAGS: polystyrene, light stabilization, photostabilization, light stabilizer.

ABSTRACT: An Author Certificate has been issued describing a method of light stabilization of polystyrene by introducing a light stabilizer into it. To extend the variety of light stabilizers, 2-hydroxy-4-v-butoxy-4'-chlorobenzophenone is suggested for use as the light stabilizer. [NT]

SUB CODE: 11/ SUBM DATE: 10Jun64/

Card 1/1 UDC: 678.048.5:746.22

GLAGOLEVA-MALIKOVA, Ye.M.

Determination of citric acid. Latvijas PSR Zinātnu Akad. Vēstis '49, No.6, 121-3. (MLRA 4:1)
(CA 47 no.22:12122 '53)

GLAGOLEVA-MALIKOVA, Ye.M.; KOVALEVA, E.J.

Technique of nitrogen determinations in extensive investigations. Latvijas PSR Zinātnu Akad. Vēstis '49, No.7, 67-9. (MLRA 4:1)
(CA 47 no.21:10907 '53)

6(2) [illegible]

AUTHOR: [illegible]

TITLE: [illegible] Construction of Communications Facilities

PERIODICAL: [illegible]

ABSTRACT: [illegible] and future work in the [illegible] author first briefly [illegible] for [illegible] com-munication [illegible] For 1959 the volume of [illegible] planned for contract organizations of the Ministry of Communications of the USSR [illegible] by 27% [illegible] planned for these [illegible] exceeds 4.5 billion rubles. [illegible] according to the Ministry of Communications [illegible] construction-installation [illegible]

Card 1/4

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000500010008-7"

Faster, Better and Cheaper Construction of Transportation Facilities

filled by 105.3%, and the [illegible] by 104.2 %. He noted that a number of [illegible] did not fulfill their 1966 plans. At [illegible] Central Board of construction of the Ministry of Communications of the USSR, meeting in April 1966, [illegible] inefficiencies in capital construction, and in the [illegible] of construction, planning and [illegible] organizations. Measures to guarantee fulfillment of the 1967 plan [illegible] increase the mechanization and quantity of machinery for [illegible] construction operations are being [illegible] for this purpose. The stock of construction-installation machinery for the construction-assembly [illegible] of the Ministry of Communications of the USSR has been increased by 57%, and the [illegible] by 25%. 42 reclamation columns have been formed at the "Mezhgorsvyazstroy" Trust for cable laying, more than half of them in the east. [illegible] trucks for [illegible]

Card 2/4 by the "Mezhgorsvyazstroy" [illegible]

Faster, Better and Cheaper [illegible]

Card 3/4

Faster, Better and Cheaper Construction of Communications Facilities

ty of large new enterprises will be built in the E. Siberian, Sov. Far Eastern and Soviet Central Asian regions. Modernization of existing machinery and development of new machinery is planned in order to further the intensification program, presently behind schedule. Special construction machinery will be manufactured by the UPP of the Ministry of Communications of the USSR. The author stresses the need to finish the projected building programs in the shortest possible time and with the greatest possible economic efficiency.

ASSOCIATION: Glavnoye upravleniye kapital'nogo stroitel'stva ministerstva svyazi SSSR (Main Administration of Capital Construction of the Ministry of Communications of the USSR)

Card 4/4

GLAGOLEVSKIY, Yu.V.; KOZLOVA, K.I.

Using an objective prism for determining the spectral brightness of Mars. Trudy Sekt. astrobot. AN Kazakh.SSR 3:77-80 '55. (MLRA 9:12)

(Mars (Planet)) (Spectrophotometry)

GLAGOLEVSKIY, Yu.V.

Results of operations with longitudinal spectrographs. Biul.VAGO no.18:55-56 '56. (MLRA 10:1)

1. Alma-Atinskoye otdeleniye Vsesoyuznogo astronomo-geodezicheskogo obshchestva.

(Spectrograph)

KOZLOVA, Kh.I.; SUSLOV, A.K.; GLAGOLEVSKIY, Yu.V.

Red light photographic photometry of the partial lunar eclipse of May 24, 1956. Astron.tsirk. no.173:6-7 O '56. (MLRA 10:1)

1. Sektor astrobotaniki Akademii nauk KazSSR, Alma-Ata.
(Eclipses, Lunar--1956) (Photometry, Astronomical).

KOZLOVA, K.I.; GLAGOLEVSKIY, Yu.V.

First conclusions from visual observations of Mars during the favorable opposition of 1956. Astron.tsirk. no.174:7-8 N '56. (MLRA 10:3)

1. Alma-Ata Sektor astrobotaniki AN KazSSR.
(Mars (Planet)--Opposition, 1956)

GLAGOLEVSKIY, Yu.I.

3(1) PHASE I BOOK EXPLOITATION SOV/1836

Akademiya nauk Kazakhskoy SSR. Sektor astrobotaniki

Trudy, t. 5 (Transactions of the Astrobotanical Sector, Kazakh SSR. Academy of Sciences, Vol 5) Alma-Ata, Izd-vo AN Kazakhskoy SSR, 1957. 1,100 copies printed.

Eds.: L.S. Rzhondkovskaya and D.M. Glazyrina; Tech. Ed.: Z.P. Rorokina; Editorial Board: Sh.P. Darchiya, K.I. Kozlova (Secretary), N.I. Suvorov (Deputy Resp. Ed.), and G.A. Tikhov (Resp. Ed.).

PURPOSE: This book is intended for scientists engaged in the fields of astrobotany and astronomy.

COVERAGE: The book comprises 20 articles which deal primarily with spectrophotometry as a means for determining the absorption of light by plants. It also contains a short review of the foreign publications on astrobotany which, according to the publisher, has already grown into the more extensive domain of astrobiology.

Card 1/4

Photos and charts accompany each article. No personalities are mentioned. Bibliography follows each article.

TABLE OF CONTENTS:

MM/ad
6-19-59

GLAGOLEVSKIY, Yu.V.; KOZLOVA, K.I.

Preliminary results of the observations of Mars in 1956 on the AFM-3 electrophotometer. Astron. tsir. no.176:2-4 Ja '57.
(MLRA 10:6)

1. Sektor astrobotaniki Akademii nauk Kazakhskoy SSR, Alma-Ata.
(Mars (Planet))

GLAGOLEVSKIY, Yu.V.

Indentifying lines in spectra of Arend-Roland's comet. Astron. tsir. no.182: 3 Je '57. (MIRA 11:3)

1. Sektor astrobotaniki AN KazSSR, Alma-Ata.
(Comets--1956--Spectra)

KOZLOVA, K.I.; GLAGOLEVSKIY, Yu.V.

Color excesses of 6 lunar craters according to photoelectric photometric observations. Astron.tsir., no.198:1-2 .D '58. (MIRA 12:7)

1. Sektor astrofotoniki AN KazSSR.
(Moon--Surface) (Photoelectric measurements)

GLAGOLEVSKIY, K. V.

3 (1) PHASE I BOOK EXPLOITATION SOV/1881

Akademiya nauk Kazakhskoy SSSR. Sektor astrobotaniki.

Trudy, t. 6 (Transactions of the Astrobotanical Sector, Kazakh SSR. Academy of Sciences, Vol 6) Alma-Ata, Izd-vo AN Kazakhskoy SSR, 1958. 207 p. Errata slip inserted. 1,300 copies printed.

Eds.: L.N. Moskvicheva and T.I. Shevchuk; Tech. Ed.: P.F. Alferova; Editorial Board: G.A. Tikhov (Resp. Ed.), N.I. Suvorov (Deputy Resp. Ed.) and V.S. Sokolova (Secretary)

PURPOSE: This book is intended for scientists engaged in the fields of astrobotany and astronomy.

COVERAGE: The book summarizes the results gathered from observations of the planet Mars made during its most favorable opposition in 1956. New evidence was obtained to prove the existence of vegetation on that planet. Visually, observations were carried out with the Bredikhin astrograph and the Meniscus telescope AZT-7 (the Maksutov type). Photographically and electrophotometrically they were made using light filters. The book contains a number of critical studies

Card 1/4

on the work Zhizn'vo Vselennoy by A.I. Oparin and V.G. Fesenkov, in which the existence of any vegetable life had been denied. Each article is accompanied by references.

TABLE OF CONTENTS:

Transactions of the Astrobotanical Sector SOV/1881

Glagolevskiy, Yu.V., and K.I. Kozlova. The Photometry of the Surface Regions of Mars in 1956 on the Electrophotometer AFM-3 197

AVAILABLE: Library of Congress

MM/hcr
6-17-59

Card 4/4

Glagolevskiy Yu. V

AUTHOR: [illegible], A. T., Candidate of [illegible] Physical and Mathematical Sciences

TITLE: From the Council of Astronomers (Iz astronomicheskogo soveta) Transactions of the Plenary Meeting of the Committee of Planetary Physics (Plenum komissii po fizike planet)

PERIODICAL: Vestnik Akademii nauk SSSR, 1958, Nr [illegible], pp [illegible]-114 (USSR)

ABSTRACT: This plenary meeting was held in Khar'kov from [illegible] It was attended by the astronomers of a number of observatories of the [illegible], by representatives of the Council of Astronomers and by the director of the Nanking Observatory [illegible] Yuy-chzhe. Results of observations of the surface of Mars and of the moon in [illegible] were the subject of the reports. The following lectures were held:

.... [illegible]ronov stated that the surface of Mars is darker and [illegible] than corresponding samples from terrestrial [illegible]rts

.. [illegible] discussed results of Mars photometry which were [illegible] by him in the Khar'kov observatory with the assistance of I. K. Koval'.

Card 1/[illegible]

From the Council of Astr[illegible] ... SOV/30-58-8-21/[illegible]
of the Plenary Meeting of the [illegible] of Planetary Physics

K.I. Kozlova, Yu.V. Vitkevskiy } communicated some results of Mars photometry which was carried out by the Sektor Astrobotanik, Akademii nauk Kazakhskoy SSR (Department of Astrobotany AN Kazakh SSR).

A.A. Suslov spoke on the intensit[illegible]

A.I. Baranskiy, V.A. Yezerskiy, A.T. Chikiria } reported on [illegible] obtained in the Observatory of Crimea.

I.D. Kalinenkov reported on [illegible] of details of the surface of Mars which were conducted in Kazan'.

B.A. Bronshten, G.B. Kzhanitsyna } reported on results of photographic photometry of the bright region Argir on Mars.

M.M. Buteiova, A.A. Kalinyak, L.A. Kamionko } reported on the first utilization of electron-optical transducer in photographing Mars in the Pulkovo observatory.

V.V. Sharonov reported on most recent Mars research in foreign countries.

G.P. Barabashov spoke about problems and methods of lunar research.

Card 2/;

From the Council [illegible] Astronomical [illegible] Transactions SOV/30-58-8-31/43
of the [illegible] Meeting of the [illegible] Planetary Physics

B.Yu. Levin } spoke [illegible] results of the theoretical inves-
S.V. Mayeva? } tigation of the thermal history of Mars and the moon

B. Yu. Levin spoke about the history of the motion of the moon and about geological properties of its material

V.V. Sharonov, Professor, read the paper by N.N. Sytinskaya on the development and the confirmation of the hypotheses concerning the nature of the surface layers of the moon.

A.V. Markov reported on the equipment in Pulkovo for thermo-electrical temperature measurements of narrow strips of the surface of the moon

Yu.N. Chistyakov communicated the first results of research with this equipment.

N.N. Kaydanovskiy spoke about prospects in the investigation of thermal radiation from the moon (based upon observations by Ye.K. Kokhan in the Abastumani observatory).

N.P. Barabashov } reported on preliminary results of the in-
I.K. Koval' } vestigation of the polarization of the moon

Card 3/4

by means of light filters.

Yu.N. Lipskiy spoke about the necessity of taking into consideration the variations in the degree and the direction of polarization of moon details, when they are spectrophotographed simultaneously.

T.A. Polozhentseva
V.G. Teyfel'
A.N. Sergeyeva
N.P. Barabashov
V.I. Yezerskiy
V.A. Fedorets

reported on the determination of color contrasts on the surface of the moon by means of photographic spectrophotometry.

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3.1240

Translation from Referativnyy zhurnal Astronomiya i Geodeziya, 1960, No. 9, r. 70 # 9086

AUTHORS Kozlova, K.I., Glagolevskiy, Yu.V.

TITLE On Changes in the Color of Mars According to Photoelectric Observations in 1958

PERIODICAL Astron. tsirkulyar, 1959, apr. 15, No. 201, pp. 4-6

TEXT: Observations of Mars were carried out at Alma-Ata during 6 nights from October 14 to November 27, 1958, with an AZT-7 (AZT-7) telescope by means of an AFM-3 (AFM-3) electrophotometer in equivalent focus of 10 m. The system yielded λ_{eff} 4200 and 5350. The α Aur was served as a comparison star, whose color index was adopted to be +0.82. The difference in zenith separation amounted to $0^{\circ}5 - 2^{\circ}$. Photometric measurements were conducted according to the sequence star - Mars - star - Mars - star. Color excesses and color indices are presented; the values of the latter are confined within the limits $1^{m}.28 - 1^{m}.48$. Changes in color index in dependence on the phase angle are compared between 1958

Card 1/2

84578

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On Changes in the Color of Mars According to Photoelectric Observations in 1958

and 1956. It can be seen from the table that the color index of Mars in 1958 increased by 0^m10 while Mars moved from the opposition towards i = 30°, whereas in 1956 it increased by 0^m26. The values of color temperature are given for all observational nights. They were confined within the limits from 3 390 to 3 750°C. There are 5 references.

I.I. Lebedeva

Translator's note: This is the full translation of the original Russian abstract.

Card 2/2

GLAGOLEVSKIY, Yu.V.

Spectrophotometry of Arend-Roland's comet. Trudy Sakt. astrobot.AN Kazakh SSR 7:84-92 '59. (MIRA 13:5)
(Comets--1956)

KOZLOVA, K.I.; GLAGOLEVSKIY, Yu.V.; GOLUBCHIKOV, V.S.

Catalog of star colors in selected Kapteyn areas Nos.116-129 determined by using the longitudinal spectrograph. Trudy Sekt. astrobot.AN Kazakh SSR 7:277-306 '59. (MIRA 13:5)
(Stars--Color)

KOZLOVA, K.I.; GLAGOLEVSKIY, Yu.V.

Changes in the color of Mars according to photoelectric observations in 1958. Trudy Sekt. astrobot. AN Kazakh. SSR 8:121-124 '60.
(MIRA 13:12)

(Mars (Planet))

33625
S/035/62/000/001/016/038
A001/A101

3.1550 (1044, 1057)

AUTHORS: Kozlova, K.I., Glagolevskiy, Yu.V.

TITLE: On changing Mars color according to photoelectric observations of 1958

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 1, 1962, 67, abstract 1A510 ("Tr. Sektora astrobotan. AN KazSSR", 1960, v. 8, 121 - 124)

TEXT: Observations were conducted in October-November 1958 (6 nights) at Alma-Ata with a АЗТ-7 (AZT-7) telescope (equivalent focal length is 10 m) and an АФМ-3 (AFM-3) electric photometer (slit width is 0.25 mm). The system: telescope-filters-photomultiplier yielded λ_{eff} 420 and 535 mμ. Capella served as a comparison star. The difference in the zenith distance of Mars and the comparison star amounted to 0.5-7°. The comparison star and Mars were measured 10 times each with every filter according to the sequence: star-Mars-star-Mars-star. Photoelectric color excesses of Mars, CE, with respect to Capella, calculated for each day of observations and represented in a table and on a drawing, were decreasing from 0m.66 to 0m.46 as the planet approached opposition, and then were in-

Card 1/2

33625
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A001/A101

On changing Mars color ...

creasing. A comparison of changes in color index, CI, of Mars with the phase angle i according to results of 1956 and 1958 is presented graphically. The Mars color index increased by $0^m.10$ in 1958 and by $0^m.7$ in 1956 during its motion from opposition to $i = 30^\circ$; thus receding from an opposition, Mars becomes redder. Values of color temperature T_c are given for each observation day. The variations of CI, CE and T_c obtained are considered to be real and are ascribed to changes in the atmosphere and on the planet surface, as well as to a change in the observed part of the surface due to Mars rotation around the axis. There are 8 references.

I. Lebedeva

[Abstracter's note: Complete translation]

Card 2/2

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A001/A101

3,2506 (also 1080)

AUTHORS: Kozlova, K. I., Glagolevskiy, Yu. V.

TITLE: Excesses and indices of color of several lunar craters according to photoelectric measurements

PERIODICAL: Referativnyy zhurnal. Astronomiya i Geodeziya, no. 1, 1962, 68, abstract 1A519 ("Tr. Sektora astrobotan. AN KazSSR", 1960, v. 8, 125-129)

TEXT: Fifteen lunar craters were photoelectrically observed at Alma-Ata with an АФМ-3 (AFM-3) electric photometer attached to the АЗТ-7 (AZT-7) telescope, in yellow and blue rays with λ_{eff} 420 and 535 mμ. The bottom of the Manilius crater was adopted as a reference region. Data were accumulated for 12 nights during full moon in various months of 1958 and 1959. Visual filters were investigated for transparency by means of a СФ-4 (SF-4) spectrophotometer. Spectral sensitivity curves were obtained for the whole photometric system: visual filter-telescope-electrophotometer. Each crater and the reference region were measured photometrically at least 10 times through each filter. Schematic diagrams of the craters and positions of the circular stop of the photometer on

Card 1/2

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Excesses and indices of color ...

their bottoms are presented. The diameter of apertures which cut out the area being measured was equal to 3/4 diameters of the Manilius crater. The authors describe details of techniques in application of the photometer and methods of improving its stability. As a result of observations, photoelectric color excesses, CE, of the craters investigated with respect to Manilius were obtained. The value CE_o of the latter with respect to Capella was determined and proved to equal to $+ 0^m.026 \pm 0^m.008$. Using the known Capella color index, being equal to +0.82, CI of the studied craters were determined. The analysis of the data obtained leads to the conclusion that there is no large difference in the colors of the craters investigated, although small differences are apparently real. CI are confined from $+0^m.717$ to $+0^m.890$, the entire range amounting to $0^m.173$; the mean color index is equal to $+0^m.830$. There are 5 references.

I. Lebedeva

[Abstracter's note: Complete translation]

Card 2/2

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A001/A101

AUTHOR: Glagolevskiy, Yu.V.

TITLE: Spectrophotometry of magnetic stars

PERIODICAL: Referativnyy zhurnal. Astronomiya i Geodeziya, no. 10, 1961, 27, abstract 10A197 ("Tr. Sektora astrobotan. AN KazSSR", 1960, v. 8, 181 - 190)

TEXT: Spectrograms of magnetic stars HR 710, 36 Eri, μ Lep, β CrB, 52 Her, γ Equ and 9 comparison stars were taken by means of an astrograph with objective prism (dispersion 140 A/mm at Hγ). The design of a special diaphragm for calibration is described. Equivalent widths and depths in the middle of hydrogen lines from Hβ to Hη and K of CaII were determined. The equivalent widths of hydrogen lines in magnetic stars are mainly narrower than those in comparison stars of the main sequence. Relationships between characteristics obtained and spectra were plotted for the comparison stars, and spectral classes of magnetic stars were determined. The spectral classes of β CrB and γ Equ turned out to be earlier than cited in the catalogues, those of the remaining stars - later. Magnetic stars are located above the main sequence on the spectrum-magnitude dia-

Card 1/2