SHUMAKHARSKIY, S.

In progressive mines of the Donets Basin; stories by supervisers of progressive mines about working on the continuous cycle schedule Moskva, Ugletekhizdat, 1954. 32 p. (55-29885)

1. Coal mines and mining - Russia - Donets Basin.

SHCHARANSKIY, B.

World record set by drifters; brigade of Nikolai Tikhonov, hero of socialist labor, has sunk a 2[illegible],6 meter vertical shaft in April. Ugol' Ukr. 3 no.6:2 of cover Je '59.
(MIRA 12:11)

(Coal mines and mining--Labor productivity)

PILYUKHANOV, L.S.; SHCHARANSKIY, B.M.

To fight persistently for the improvement of all technical and economic indices. Ugol' Ukr. 3 no.7:47 Jl '59. (MIRA 12:11)
(Lugansk Province--Coal mines and mining)

PILYUKHANOV, L.S.; SHCHARANSKIY, B.M.

Strengthening the links between science and production.
Ugol' Ukr. 3 no.8:48 Ag '59. (MIRA 12:12)
(Lugansk Province--Coal mines and mining)

SHCHARANSKIY, B.M.

Strengthen creative cooperation of science and industry.
Ugol' Ukr. 4 no.8:47 Ag '60. (MIRA 13:9)
(Coal mines and mining)

SHCHARANSKIY, B.M.

Faultless functioning of apparatuses. Ugol' Ukr. no.6:43-44 Je '60. (MIRA 13:7)

1. Sobstvennyy korrespondent zhurnala "Ugol' Ukrainy."
(Coal mining machinery)
(Automatic control)
(Electric driving)

SHCHARANSKIY, B.M.

Improvements in the equipment and technology of coal preparation.
Ugol' Ukr. 4 no. 11:47-48 N '60. (MIRA 13:12)

1. Spetsial'nyy korrespondent zhurnala "Ugol' Ukrainy".
(Coal preparation)

SHCHARANSKIY, B.M.

In scientists' laboratories. Ugol' Ukr. 5 no.4:46 Ap '61.
(MIRA 14:4)
(Coal mining machinery--Research) (Automatic control)

SHCHARANSKIY, P.M.

Hydraulic mining methods are being improved in this institute. Ugol' Ukr. 5 no.7:46-47 Jl '61. (MIRA 15:1)

1. Spetsial'nyy korrespondent zhurnala "Ugol' Ukrainy".
(Ukraine--Mining research) (Hydraulic mining)

AL'TER, S.Z.; SHCHARANSKIY, B.M.

Central laboratory for mining rescue equipment. Ugol' Ukr. 5 no.5: 40 My '61. (MIRA 14:5)
(Mine rescue work--Equipment and supplies)

SHCHARANSKIY, B.M.

Ukrainian school for studying the practices of the mines of communist labor. Ugol' Ukr. 5 no.12:45-46 D '61. (MIRA 14:12)
(Ukraine--Coal mines and mining)

SHCHARANSKIY, B.M.

In the Plenum of the Donets Council of Trade Unions.
Ugol' Ukr. 6 no.6:48 Je '62. (MIRA 15:7)

1. Korrespondent zhurnala "Ugol' Ukrainy".
(Donets Basin--Trade unions)

SHCHARANSKIY, B. M.

For a further upswing of the Donets Basin coal mining industry. Ugol' Ukr. 6 no.10:47-48 O '62. (MIRA 15:10)

1. Korrespondent zhurnala "Ugol' Ukrainy".

(Donets Basin--Coal mines and mining)

SHCHARANSKIY, B.M.

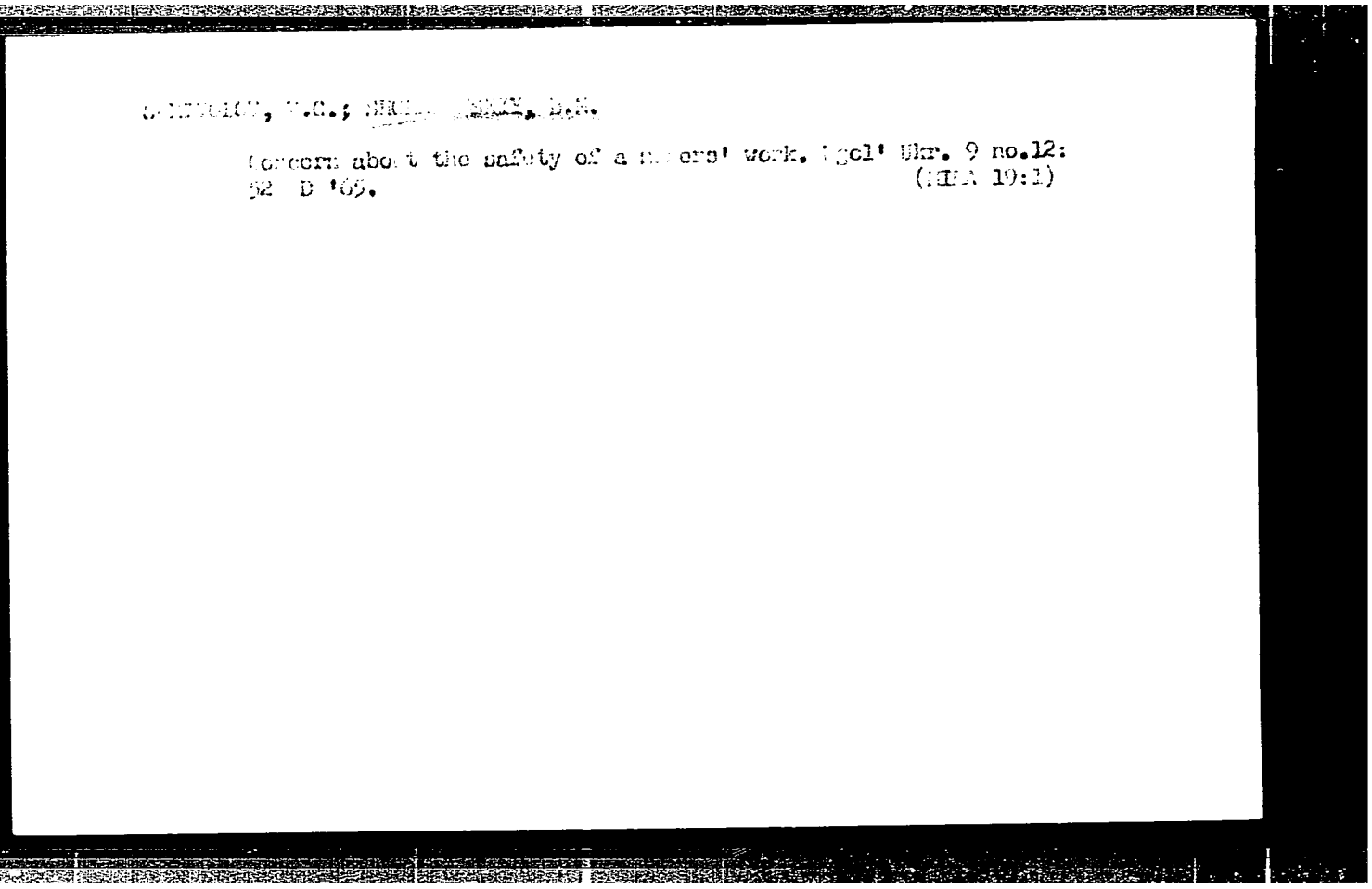
Conference of the mechanizers of mines in the Donetsk Province. Ugol' Ukr. 6 no.11:46 N '62. (MIRA 15:12)

1. Korrespondent zhurnala "Ugol' Ukrainy".
(Donets Basin--Coal mines and mining)
(Efficiency, Industrial)

ROZENBERG, F.Ya.; SHCHARANSKIY, B.M.

Brief news. Ugol' Ukr. 7 no.7:55-56 Jl '63. (MIRA 16:8)

1. Korrespondent zhurnala "Ugol' Ukrainy."
(Coal mines and mining)
(Coal mining machinery--Safety appliances)



[illegible], V.G.; [illegible], B.N.

Concern about the safety of a miners' work. Gig. i sanit. 30 no.12: 52 D '65. (MIRA 19:1)

MEYTUS, Mikhail Emmanuilovich; SHCHARINSKIY, Boris Yakovlevich; LANTSOV, V.A., red.; ALABYSHEVA, N.A., red. izd-va; GVIRTS, V.L., tekhn. red.

[Sandblasting the facades of buildings] Peskostruinaia ochistka fasadov zdanii. Leningrad, 1963. 28 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia: Stroitel'noe proizvodstvo, no.10) (MIRA 17:3)

SHCHARINSKIY, T.

New residential microdistricts in Baku. Zhil.stroi. no.10: 16-19 '59. (MIRA 13:2)

1. Glavnyy inzhener instituta Bakgiprogor, g.Baku.
(Baku--City planning)

SHCHARINSKIY, T.L., inzh.

Using coarse porous concrete in constructing industrial buildings and apartment houses. transp. stroi. 8 no.3:8-9 Mr '58.
(MIRA 11:4)

(Concrete blocks)

SHCHARINSKIY, T.L., inzh.

They introduce small equipment skilfully. Transp. stroi. 12 no.11:8-9 N '62. (MIRA 15:12)

(Construction equipment)

SHCHARINSKIY, T.L., inzh., KHAPIONOV, G.M., inzh.

Construction of a precast reinforced concrete radio relay tower. Transp. stroi. 14 no.3:27-30 Mr '64.
(MIRA 17:6)

L 18319-63 EWP(q)/EWT(m)/BDS AFFTC/ASD Pad JD/HW
ACCESSION NR: AP3004980 S/0076/63/037/008/1845/1846

AUTHOR: Shcharivker, S. Yu.

TITLE: Special features of the oxidation of porous nickel

SOURCE: Zhurnal fiz. khimii, v. 37, no. 8, 1963, 1845-1846

TOPIC TAGS: oxidation of nickel, nickel

ABSTRACT: Author describes the special features found in the oxidation of porous nickel. He then attempts to explain these special features. Material used in the study was electrolytic nickel in powder form. Author showed that the sample becomes coated with a dense oxide film after a short period of time. This film covers the metal and pores. The sample is further oxidized very slowly by diffusion through the oxide film. Weight addition during oxidation in air at 600C is greater than when heated at 800C, provided the samples porosity is greater than 10-12%. In the case of greater density, weight addition (on account of oxide) does not depend upon the porosity, and is equal to the weight of the oxide of compact nickel. Author states that explanation of this phenomena may be the fact that the pores on the surface become clogged up with the oxides. Orig. art. has: 1 figure.

Card 1/2

L 18319-63
ACCESSION NR: AP3004980

ASSOCIATION: Proyektno-konstruktorsko-tekhnologicheskiy institut Kiyevskogo SNKh (Planning-design-engineering institute of the Kiev council of national economy)

SUBMITTED: 28Jul62 DATE ACQ: 06Sep63 ENCL: 00

SUB CODE: PH, CH NO REF SOV: 004 OTHER: 000

Card 2/2

SHCHARCV, V. M.; GUDCHENKO, A. P.; and STEPANOVA, M. G.

Research regarding Some Methods of Making Electrons in Liquid Condition. Works of the Moscow Aviation Technological Institute," Issue No. 4, Defense Industry Publ. House, Moscow, 1948.

SHCHASNA, N.Ye.

Interrelationship between streptomycin and the dysentery bacteriophage. Mikrobiol. zhur. 14 no.4:46-49 '52. (MLRA 6:11)

1. Z Odes'kogo derzhavnogo medichnogo institutu im. Pirogova.
(Streptomycin) (Bacteriophagy) (Dysentery)

[illegible] I.S. ([illegible]); CHUCHALIVYY, I.S. (Belorusskaya SSR); ZAROVNYY, V.S. (Belorusskaya SSR); ZAROVNYY, V.S.

Measures for extremely dangerous focuses of infection. Veterinariia 41 no.9:7-9 S '64. (MIRA 18:4)

1. Direktor Gorokhovskoy veterinarnoy laboratorii, Volynskaya oblast' (for Zarovnyy).

SHCHASTLIVYY, I.N., mayor veterinarnoy sluzhby

Rodent control in camp. Voen.-med.zhur. no.7:64-65 Jl '56.
(RODENT CONTROL) (MLRA 9:11)

SKORODINSKAYA, V.V.; SHCHASTNAYA, N.E.

Biological activity of immune sera. Zhur. mikrobiol. epid. i immun. 31 no. 5:79-82 My '60. (MIRA 13:10)

1. Iz Ukrainskogo eksperimental'nogo nauchno-issledovatel'skogo institute glaznykh bolezney i tkanevoy terapii imeni akad. Filatova. (TETANUS)

SKORODINSKAYA, V.V. [Skorodyns'ka, V.V.]; SHCHASTNAYA, N.E. [Shchastna, N.IE.]

Observations on the biological activity of immune sera. Mikrobiol. zhur. 23 no.1:57-61 '61. (MIRA 14:5)

1. Ukrainskiy nauchno-issledovatel'skiy institut bolezney i tkanevoy terapii im. akademika V.P.Filatova.
(SERUM)

MUCHNIK, S.R., prof.; SKORODINSKAYA, V.V., starshiy nauchnyy sotrudnik; SOLOV'YEVA, V.P.; SHCHASTNAYA, N.E.

State of certain functional systems of the organism in high myopia. Oft. zhur. 17 no.1:32-38 '62. (MIRA 15:3)

1. Iz Ukrainskogo nauchno-issledovatel'skogo eksperimental'nogo instituta glaznykh bolezney i tkanevoy terapii imeni akademika V.P. Filatova (dir. - prof. N.A. Puchkovskaya).
(MYOPIA)

SHCHASTNAYA, M.E.

Effect of tissue preparations on the growth of pneumococcus in a bacterial culture. Uch.zap. UEIGB 5:280-283 '62
(MIRA 16:11)

*

MEKLER, M.M., otvetstvennyy red.; BASHLAVINA, G.N., red.; VORONINA, A.N., red.; GUREVICH, I.V., red.; ZASLAVSKIY, I.I., red.; KOZLOV, F.M., red.; LARIN, D.A., red.; RAUSH, V.A., red.; SAMOYLOV, I.I., red.; SLADKOVAYA, Ye.A., red.; STROYEV, K.F., red.; SHCHASTNYY, P.N., red.; TUTOCHKINA, V.A., red.; SHUROV, S.I., predsedatel', red.; ERDELI, V.G.

[Geographical atlas for the fifth grade] Geograficheskii atlas dlia 5-go klassa. Moskva [1957] 16 p. (MIRA 11:7)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye geodezii i kartografii.
(Maps)

SHCHASTNYY, D.S.;KOMAROVA, V.S.

Observations on the effect of inactivated penicillin on smallpox vaccination virus. Mikrobiol. zh., Kiev 15 no.1:52-58 1953. (CIML 25:5)

1. Of Odessa Medical Institute.

DROBOT'KO, V.G.; SHCHASTNIY, D.S., kandidat medichnykh nauk, dotsent

Vladimir Petrovich Filatov; on his 80th birthday. Mikrobiol. zhur. 17 no.1:3-4 '55 (MLRA 10:5)

1. Diysniy chlen AN URSR (for Drobot'ko)
(BIOGRAPHIES,
Filatov, Vladimir P.) (Uk)

USSR / General Problems of Pathology. Transplantation of Tissues and Tissue Therapy. U-2

Abs Jour: Ref Zhur-Biol., No 15, 1958, 70730.

Author : Shchastnyy D. S.
Inst : Not given.
Title : The Effect of Tissue Extracts on the Immunological Properties of an Organism.

Orig Pub: Tr. Yubil. Nauch. Konferentsii. posvyashch. 80-letiyu akad. V. P. Filatova, Gosmedizdat USSR. 1956, 173-176.

Abstract: Rabbits or mice who had been given tissue extracts demonstrated resistance to experimentally induced pyogenic, typhoid and anaerobic infection. Tissue therapy increases the phagocytic activity of leukocytes and the production of antibodies. The inflammatory reaction (of bacterial, toxic or

Card 1/2

USSR / General Problems of Pathology. Transplantation of Tissues and Tissue Therapy. U-2

Abs Jour: Ref Zhur-Biol., No 15, 1958, 70730.

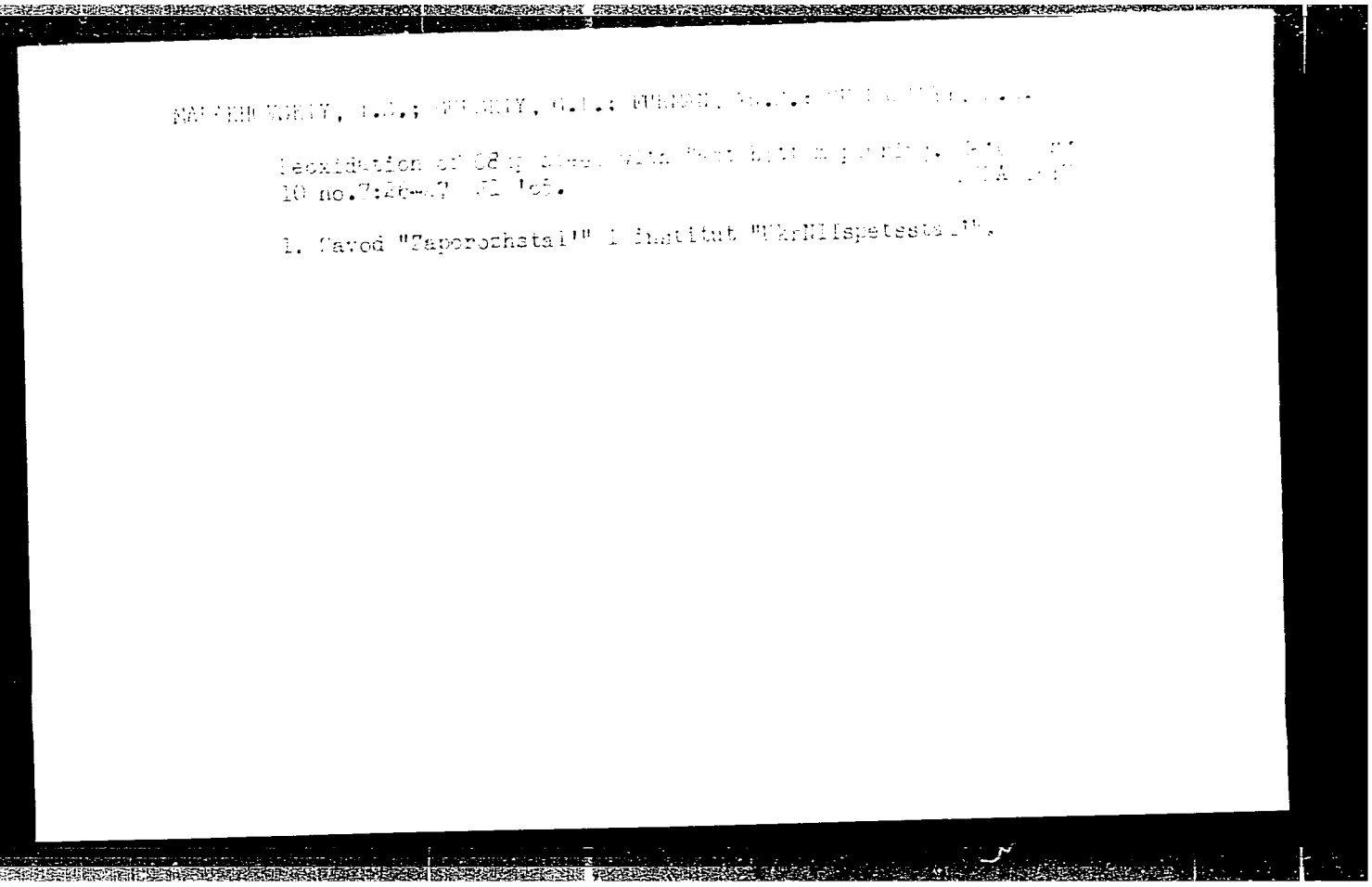
Abstract: allergic origin) appears and disappears faster, the epidermis becomes susceptible to easy penetration by pyogenic and anaerobic microbes, and a desensitizing action is observed.

Card 2/2

SHCHASTNYY, F.F. (Moskva)

Effect of autonomic nervous system mediators on the final stage of phagocytosis. Pat. fiziol. eksp. ter. 7 no.5:71-72 S-O'63 (MIRA 17:2)

1. Iz laboratorii patofiziologii (zav. - prof. N.V.Puchkov) Instituta pediatrii AMN SSSR.



[illegible]

[oxidation of CO [illegible]

10 no.7:26-7 Jl '58.

1. Zavod "Zaporozhstal'" i Institut "UkrNIIspetsstal'".

LITVINENKO, D.L.; SHCHASTNYY, P.M.; YAKUSHIN, V.I.; VASIL'YEV, A.N.; PODYNOGIN, I.Ye.; YUDIN, M.S.; YEVSTAF'YEV, Ye.I.; RUBINSKIY, P.S.; ELIMELAKH, R.Z.; MARSHCHIY, N.P.

Greater use in industry of semikilled steel. Metallurg 8 no.3:10-19 Mr '63. (MIRA 16:3)

(Steel—Metallurgy)

YEFIMOV, Ye.A.; SAPKO, V.N.; GREBENYUK, V.P.; PIORO, E.Ch.; SHCHASTNYY, P.M.; KSENZUK, F.A.; SHIRINSKIY, D.I.; TOLSTYKH, V.I.

Rapid top pouring of rimmed steel into ribbed ingot molds. Metallurg 8 no.11:17-19 N '63. (MIRA 16:12)

SHCHASTNYY, P.M.; YAKOVLEV, V.I.; SHOR, V.I.

Improving the technology of pouring killed steel. Metallurg 8 no.12:15-16 D '63. (MIRA 17:4)

SERGOVANTSEV, V.T., kand.tekhn.nauk; YURASOV, V.V., kand.tekhn.nauk; ALUKER, Sh.M., kand.tekhn.nauk; ANDRIANOV, V.N., doktor tekhn. nauk; ASTAF'YEV, N.N., kand.tekhn.nauk; BUDZKO, I.A., akademik; BYSTRITSKIY, D.N., kand.tekhn.nauk; VEYALIS, B.S., kand.tekhn. nauk; GIRSHBERG, V.V., inzh.; GORSHKOV, Ye.M., inzh.; GRICHEVSKIY, E.Ya., inzh.; ZAKHARIN, A.G., doktor tekhn.nauk; ZLATKOVSKIY, A.P., kand.tekhn.nauk; IOSIPYAN, S.G., inzh.; ITSKOVICH, A.M., dotsent; KAUFMAN, B.M., inzh.; KVITKO, M.N., inzh.; KORSHUNOV, A.P., inzh.; LEVIN, M.S., kand.tekhn.nauk; LOBANOV, V.N., dotsent; LITVINENKO, A.F., inzh.; MERKELOV, G.F., inzh.; PIRKHAVKA, P.Ya., kand.tekhn.nauk; PRONNIKOVA, M.I., kand.tekhn.nauk; SMIRNOV, B.V., kand.tekhn.nauk; FATYUSHENKO, S.G., inzh.; KHODNEV, V.V., inzh.; SHCHATS, Ye.L., kand.tekhn.nauk; EBIN, L.Ye., doktor tekhn.nauk; ENTIN, I.A., kand.tekhn.nauk; SILIN, V.S., red.; SMELYANSKIY, V.A., red.; BALLOD, A.I., tekhn.red.; SMIRNOVA, Ye.A., tekhn.red.

[Handbook pertaining to the production and distribution of electricity in agriculture] Spravochnik po proizvodstvu i raspredeleniiu elektricheskoi energii v sel'skom khoziaistve. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1959. 900 p. (MIRA 13:2)

1.Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I.Lenina (for Budzko).
(Rural electrification)

SHCHATS-MSHVELIDZE, M. I., Doc Med Sci -- (diss) "Data pertinent to the problem of neuro-achillic syndrome." Tbilisi, 1958. 30 pp (Tbilisi State Med Inst), 200 copies (KL, 18-58, 102)

SHCHATALINA, M.S. (Moskva)

Pontic rhododendron. Priroda 52 no.11:78 '63. (MIRA 17:1)

SHCHATSOV, N.I.

Scientific bases in generalization of Stakhanov results. Neft.khoz. 25 no.10:1-8 O '47. (MLRA 9:6)
(Oil well drilling)

SHCHAULENOK, A.A.

Operating experience of the Rezekne Machine-Tractor Station. Gidr. i mel. 6 no.1:14-25 Ja '54. (MLRA 7:1)
(Rezekne--Machine-tractor stations) (Machine-tractor stations--Rezekne)

SHCHAVELEV, A.

Keeping check of the economic activity of establishments. Fin. SSSR 18 no.4:50-56 Ap '57. (MLRA 10:6)

1. Nachal'nik otdela finansirovaniya promyshlennosti, torgovli i kooperatsii Ministerstva finansov Litovskoy SSR.
(Lithuania--Productivity accounting)

SHCHAVELEV, A.

Hidden production reserves. Fin. SSSR 19 Ja '58. (MIRA 11:2)
(Lithuania--Industries)

SHCHAVELEV, A.

Analyzing fulfillment of the profit plan at automobile depots. Fin. SSSR 20 no.7:73-77 Jl '59. (MIRA 12:11)

1. Nachal'nik otdela Ministerstva finansov Kazakhskoy SSR.
(Alma-Ata Economic Region--Transportation, Automotive--Finance)

SHCHAVELEV A. F.
SHCHAVELEV, A. F.

A. F. Shchavelev

Geodesy (large-scale surveying)

Ministry of River Fleet of USSR, Leningrad 1950, 360 pages

From: Monthly List of Russian Accessions January 1951, Vol. 3, No. 10, p. 7

SHCHAVLEV, A.F.

[Practical field studies in geodesy] Polevaia uchebnaia praktika po geodezii. Leningrad, Gos. izd-vo vodnogo transp., 1954. 232 p.
(Geodesy) (MLRA 7:7)

SHCHAVELEV, Aleksey Fedorovich, kandidat tekhnicheskikh nauk; STEPANOV, N.N., redaktor; VOLCHOK, K.M., tekhnicheskiy redaktor

[Geodesy] Geodeziia. Leningrad, Izd-vo "Rechnoi transport," Leningradskoe otd-nie, 1956. 280 p. (MLRA 9:11)
(Geodesy)

TUMANOV, Veniamin Vasil'yevich; ZERNOV, S.A., inzh., retsenzent; IVANOV, V.Ye., inzh., retsenzent; SHCHAVELEV, A.F., red.; VOLCHOK, K.M., tekhn.red.

[Investigation of rivers and lakes] Rechnye i ozernye izyskaniia. Leningrad, Izd-vo "Rechnoi transport," Leningr.otd-nie, 1960. 264 p. (MIRA 13:9)

(Hydrographic surveying)

SHCHAVELEV, Aleksey Fedorovich; KUDRITSKIY, D.M., red.; VOLCHOK, K.M., tekhn. red.

[Geodesy]Geodeziia. Leningrad, Izd-vo "Rechnoi transport," 1962. 332 p. (MIRA 16:1)
(Geodesy)

SHCHAVELEV, D.

"The power engineering aspects of seasonal regulation of water current."

Dissertation for Candidate of Technical Sciences, Leningrad Polytechnical Institute im. Kalinin (LPI)

Subject: Hydropower Engineering

Gidrotekhnicheskoye, stroitel'stvo, 12, 1946.

SHCHAVELEV, D.S. I KUZNETSOV, N.N.

25698

Opredeleniye poter' sutochnogo regulirovaniya na deystvuyushchikh gidrostantsiyakh. Trudy Leningr. Politekhn. In-Ta im. Kalinina, 1948 No. 5, s. 214-21

E. Elektrotekhnika Elektrifikatsiya

SO: LETOPIS' No. 34

AID P - 3377

Subject : USSR/Hydr Eng

Card 1/1 Pub 35 - 8/16

Author : Shchavelev, D. S., Eng.

Title : Estimating the draft capacity of a reservoir for seasonal and long-range control of flow

Periodical : Gidr. stroi., 6, 25-28, Je 1955

Abstract : A mathematical analysis demonstrating the manner in which the computation of the available draft capacity can be made for different types of reservoirs. The Leningrad branch of Institute for Planning of Hydro Power Construction follows this method in their work. One diagram.

Institution : None

Submitted : No date

Selection of the Operating Head for a Water-Wheel Unit. (Cont.)

suggested method was utilized by the Lengidroenergo-proyekt to plan the assignments of several hydro-electric power stations and to substantiate the capacity of generators selected in planning the restoration of the Dneproges. In designing new hydroelectric power stations, the most advantageous (from the economic point of view) hydraulic turbine rotor diameters, capacities and speeds, operating as well as the maximum, minimum and average heads are determined. A method of preli-minary approximate determination of the operating head is suggested. 2: The power system undergoes great seasonal load reductions. This eliminates the necessity of having a repair reserve. The installed capacity is selected according to the guaranteed capacity during the maximum load period. In this case one can accept the head value at the moment of maximum load as the guaranteed value of the operating head. When the mirror of the reservoir

Card 2/3

SHCHAVELEV, D.S.

Bases for a theory of installed capacity of hydroelectric power stations in complex power systems. Trudy LPI no.178:51-63 '55. (MIRA 10:11)

(Hydroelectric power stations)

SHCHAVEL'YEV, D. S. Prof. Dr. Tech. Sci.

"Water Power in Multipurpose Plants and the Establishment of Grid Systems," paper presented at the 5th World Power Conference, Vienna, 1956

In Branch #5

LOGINOV, F.G.; BASEVICH, A.Z.; BELOV, A.V.; VOZNESENSKIY, A.N.; GLEBOV, P.D.; KACHANOVSKIY, B.D.; KRAVTSOV, V.I.; LEVI, I.I.; MOROZOV, A.A.; NOSOV, R.P.; OKOROKOV, S.D.; PROSKURYAKOV, B.V.; STAROSTIN, S.M.; URAZOV, A.A.; CHERTOUSOV, M.D.; CHUGAYEV, R.R.; SHCHAVELEV, D.S.; YAGN, Yu.I.

V.S.Baumgart.; obituary. Gidr.stroi. 25 no.5:58 Je '56. (MLRA 9:9)
(Baumgart, Vladimir Sergeevich, d.-1956)

SHCHAVELEV, D.S., doktor tekhnicheskikh nauk, professor.

Selecting calculated head pressure for turbines. Gidr. stroi. 25 no.7:40-47 Ag '56. (MLRA 9:10)

(Hydraulic turbines)

SHCHAVELEV D.S.

SHCHAVELEV, D. S.

ANOSOV, F.V., inzh.; GAMUS, I.M., inzh.; GARKAVI, Yu.Ye., inzh.; GOL'SHMAN, G.S., inzh.; YEVDOKIMOV, A.A., inzh.; YEREMEYEV, A.S., inzh.; ZHMUD', A.Ye., inzh.; KELAREVA, N.N., inzh.; KLOCHKOV, A.P., inzh.; LANG, A.G., inzh.; MENGEL', E.Ya., inzh.; MOROZOV, A.A., prof., doktor tekhn.nauk [deceased]; SEREBRYAKOV, G.M., inzh.; SMIRNOV, I.N., dotsent, kand.tekhn.nauk; SMIRNOV, M.I., dotsent; SHCHAVELEV, D.S., prof., doktor tekhn.nauk; SHCHERBINSKAYA, N.N., inzh.; KOVALEV, N.N., red.; MOZHEVITINOV, A.L., red.; ZABRODINA, A.A., tekhn.red.

[Turbine equipment of hydroelectric power stations: handbook on designing] Turbinnoe oborudovanie gidroelektrostantsii; rukovodstvo dlia proektirovaniia. Izd. 2., perer. i dop. Pod obshchei red. A.A. Morozova. Moskva, Gos. energ. izd-vo, 1958. 519 p. (MIRA 12:1)

1. Vsesoyuznyy institut "Gidroenergoproyekt," Leningradskoye otdeleniye. (Hydraulic turbines)

[redacted]

"[illegible] the [illegible] of the water [illegible] hydroelectric-power [illegible] of a [illegible] nuclear-power station."

[illegible] (Gidrotekhnicheskoye [illegible], Vol. 3, No. 3, 1958, pp. 49-54, illustrated)

[illegible] Index of Soviet Periodical Publications (SPI) 59, Vol. 7, No. 9, September 1959

SHCHAVELEV, D.S., prof., doktor tekhn.nauk

Taking the time factor into account in the comparison of various types of hydroelectric power plants. Izv.vys.ucheb. zav.; energ. 3 no.5:152-160 My '60. (MIRA 13:6)

1. Leningradskiy politekhnicheskiy institut imeni M.I. Kalinina.

(Hydroelectric power stations)

SHCHAVELEV, D.S., doktor tekhn.nauk prof.

Engineering and economic bases for differentiating between individual water consumers in a complex hydroelectric power center. Izv.vys.ucheb.zav.;energ. 3 no.10:104-113 O '60.
(MIRA 13:11)

1. Leningradskiy politekhnicheskiy institut imeni M.I.Kalinina. Predstavlena kafedroy ispol'zovaniya vodnoy energii.
(Hydroelectric power stations)

SHCHAVELEV, D.S., prof., doktor tekhn.nauk

Making objects comparable from the point of view of the time of incurred expenditures. Gidr.stroi. 30 no.8:28-32 Ag '60. (MIRA 13:8)

(Hydroelectric power stations)

NEPOROZHNIY, P.S.; BELYAKOV, A.A.; VOZNESENSKIY, A.N.; GLEBOV, P.D.; KACHANOVSKIY, B.D.; RASKVICH, A.Z.; TARTAKOVSKIY, D.M.; VASIL'YEV, P.I.; ZARUBAYEV, N.V.; CHUGAYEV, R.R.; KOZHEVNIKOV, M.P.; KHOROZ, V.S.; IVANOV, P.L.; SHCHAVELEV, D.S.; OKOROKOV, S.D.; BELOV, A.V.; STAROSTIN, S.M.; YAGN, Yu.I.; IZBASH, S.V.

Ivan Ivanovich Levi; on his 60th birthday. Gidr. stroi. 30 no.9:61-62 S '60. (MIRA 13:9)
(Levi, Ivan Ivanovich, 1900-)

SHCHAVELEV, D. S.

Selecting the parameters of a hydralic power center with multiple-use reservoirs. Trudy LPI no.208:285-292 '60. (MIRA 13:9)
(Hydraulic engineering)

SHCHAVELEV, D.S., prof., doktor tekhn.nauk

Selection of the established power of groups of hydroelectric power stations in consolidated electric power systems. Izv.vys.ucheb.zav.; energ. 4 no.5:97-104 My '61. (MIRA 14:6)

1. Leningradskiy politekhnicheskiy institut imeni M.I.Kalinina. Predstavlena kafedroy ispol'zovaniya vodnoy energii.
(Interconnected electric utility syatems)

SHPAV Lev, D.E., doktor tekhn.nauk, prof.

future problems of hydroelectric power engineering. Izv. vys. uchebn. zav.; energ. [illegible] no.10:104-109 O '61. (MIRA 14:11)

1. Leningradskiy politekhnicheskiy institut imeni M.I.Kalinina. Predstavlena kafedroy ispol'zovaniya vodnoy energii.
(Hydroelectric power stations)

SHOKAVELEV, D.S., doktor tekhn.nauk, prof.

Technological and economic substantiation of a possibility for developing a complex electric power system with utilization of the overall water power resources. Izv. vys. ucheb. zav.; energ. 4 no.11:105-110 N '61. (MIRA 14:12)

1. Leningradskiy politekhnicheskiy institut imeni M.I.Kalinina. Predstavlena kafedroy ispol'zovaniya vodnoy energii.

(Interconnected electric utility systems)

SHCHAVELEV, D.S., doktor tekhn.nauk, prof.

Diversity of capital expenditures and yearly outlays in the integrated utilization of water resources. Gidr.stroi. 31 no.8:40-44 Ag '61. (MIRA 14:8)

(Water resources development)

SHCHAVELEV, D.S., doktor tekhn.nauk

Engineering and economic comparison of the parameters of hydroelectric power stations designed for operation in consolidated electric power systems. Elek. sta. 32 no.7:34-37 Jl '61. (MIRA 14:10)

(Electric power plants)
(Interconnected electric utility systems)

SHCHAVELEV, V., master sporta, chempion SSSR po ralli 1961 g.

Lessons of the Transcarpathian track. Za rul. 19 no.9:13-14, S '61.
(MIRA 14:10)

(Transcarpathian Province--Automobile racing)

SHCHAVELEV, D., prof., doktor tekhn.nauk

Thermal and hydraulic electric power plants in the plan of the overall electrification of the country. NTO 4 no.1:38-42 Ja '62. (MIRA 15:1)

1. Predsedatel' gidroenergeticheskoy sektsii Leningradskogo oblastnogo pravleniya nauchno-tekhnicheskogo obshchestva energeticheskoy promyshlennosti.

(Electric power plants)

SHCHAVELEV, D.S., doktor tekhn.nauk, prof.

Technical and economic comparison of thermal and hydroelectric power plants. Teploenergetika 9 no.8:87-89 Ag '62. (MIRA 15:7)
(Steam power plants) (Hydroelectric power stations)

ZAIKA, A.A., kand.ekonomicheskikh nauk; SHCHAVELEV, D.S., doktor tekhn.nauk (Leningrad)

Methodology for determining the economic efficiency of hydroelectric power stations. Elektrichestvo no.7:76-79 Jl '62. (MIRA 15:7)

1. Kiyevskiy ordena Lenina politekhnicheskiy institut (for Zaika).
(Hydroelectric power stations)

SHCHAVELEV, D.S., doktor tekhn.nauk, prof.

Program control of pressure increase in a turbine pipeline with water hammer. Izv. vys. ucheb. zav.; energ. 6 no.4:94-100 Ap '63. (MIRA 16:5)

1. Leningradskiy politekhnicheskiy institut imeni M.I.Kalinina. Predstavlena kafedroy ispol'zovaniya vodnoy energii.
(Hydroelectric power stations) (Water hammer) (Pipelines)

SHCHAVELEV, D.S., doktor tekhn.nauk, prof.

Determination of mean-cubic expenditure of water in the pressure entrances of hydroelectric power stations. Izv. vys. ucheb. zav.; energ. 6 no.10:98-102 O '63. (MIRA 16:12)

1. Leningradskiy politekhnicheskiy institut imeni M.I.Kalinina. Predstavlena kafedroy ispol'zovaniya vodnoy energii.

VASIL'YEV, Yu.S., dots., kand. tekhn. nauk; VEL'NER, Kh.A., dots., kand. tekhn. nauk; GINDUS, D.O., inzh.; GOLOVACHEVSKIY, N.I., dots., kand. tekhn. nauk; GROMOV, A.I., inzh.; DOMANSKIY, L.K., inzh.; ISAYEV, Yu.M., inzh.; KULESH, N.P., dots., kand. tekhn. nauk; MIKHALEV, B.N., dots., kand. tekhn. nauk; MOROZOV, A.A., prof., doktor tekhn. nauk [deceased]; NALIMOV, S.M., st. nauchn. sotr., kand. tekhn. nauk; REZNIKOVSKIY, A.Sh., kand. tekhn. nauk; SVANIDZE, G.G., doktor tekhn. nauk; TANANAYEV, A.V., dots., kand. tekhn. nauk; KHAZANOVA, A.Z., inzh.; CHERNYATIN, I.A., st. nauchn. sotr., kand. tekhn. nauk; SHCHAVELEV, D.S., prof., doktor tekhn. nauk; YAGODIN, N.N., st. nauchn. sotr., kand. tekhn. nauk; LEONOVA, B.I., red.

[Utilization of water power] Ispol'zovanie vodnoi energii. Moskva, Energiia, 1965. 563 p. (MIRA 19:1)

L 22467-66 EWT(d)/EWP(1)

ACC NR: AP6013606 SOURCE CODE: UR/0143/65/000/009/0067/0073

AUTHOR: Shchavelev, D. S. (Doctor of technical sciences; Professor) 14 13

ORG: Leningrad Polytechnic Institute im. M. I. Kalinin (Leningradskiy politekhnicheskiy institut)

TITLE: Application of the standard methods developed by the Academy of Sciences USSR to the dynamic models of power systems

SOURCE: Izvestiya vysshikh uchebnykh zavedeniy. Energetika, no. 9, 1965, 67-73

TOPIC TAGS: economics, economic program

ABSTRACT: It is shown how the standard methods developed by the Academy of Sciences (cf. Tipovaya Metodika Opredeleniya Ekonomicheskoy Effektivnosi Kapital'nykh Vlozheniy i Novoy Tekhniki v Narodnom Khozyaystve SSSR (Standard Methods of Determining the Economic Effectiveness of Capital Investments and New Equipment in the National Economy of the USSR), Gosplanizdat, 1960) USSR for determining the economic effectiveness of capital investments can be applied to the comparison of variants of the payoff period of the additional investments made in power projects. The formulas presented take into account such factors as the savings in annual expenditures yielded by the individual variants, the overall time of construction of the project, the difference in capital investments required by the different variants, the cost of individual parts of the project. These formulas apply to pro-

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L 22467-66

ACC NR: AP6013606

jects that take several years to complete and are put into operation section by section. Thus, for example, if a period of m_c years is considered, allowance must be made for the capital investments and annual expenditures on both the projects slated for completion during that period and the projects slated for commencement during that period and for completion following that period. The presence of the latter type of projects requires the period to m years, where $m > m_c$. Orig. art. has: 2 formulas and 2 tables. [JPRS]

SUB CODE: 05 / SUBM DATE: 03Jun65 / ORIG REF: 010

Card 2/2

SIC. AVELEV, N.F. Cand Tech Sci (diss) "Utilization of asphalt materials to reinforce joints in hydraulic structures." Len, 1957 11 pp 23 cm. (USSR Min Higher Ed, Leningrad Polytech Inst im M.I. Kalinin) 100 copies

(KL, 12-57, 104)

SHCHAVELEV, N.F., starshiy nauchnyy sotrudnik, kand.tekhn.nauk

Internal pressure on asphalt keys of hydraulic structures and how to design them. Izv.VNIIG 63:85-100 '60. (MIRA 14:5)
(Hydraulic structures)

KOSYAKOV, P.N.; SHCHAVELEVA, A.P.

Capacity of human saliva for neutralizing influenza virus hemagglutinins. Vop.virus. 1 no.3:35-40 My-Je '56. (MLRA 10:1)

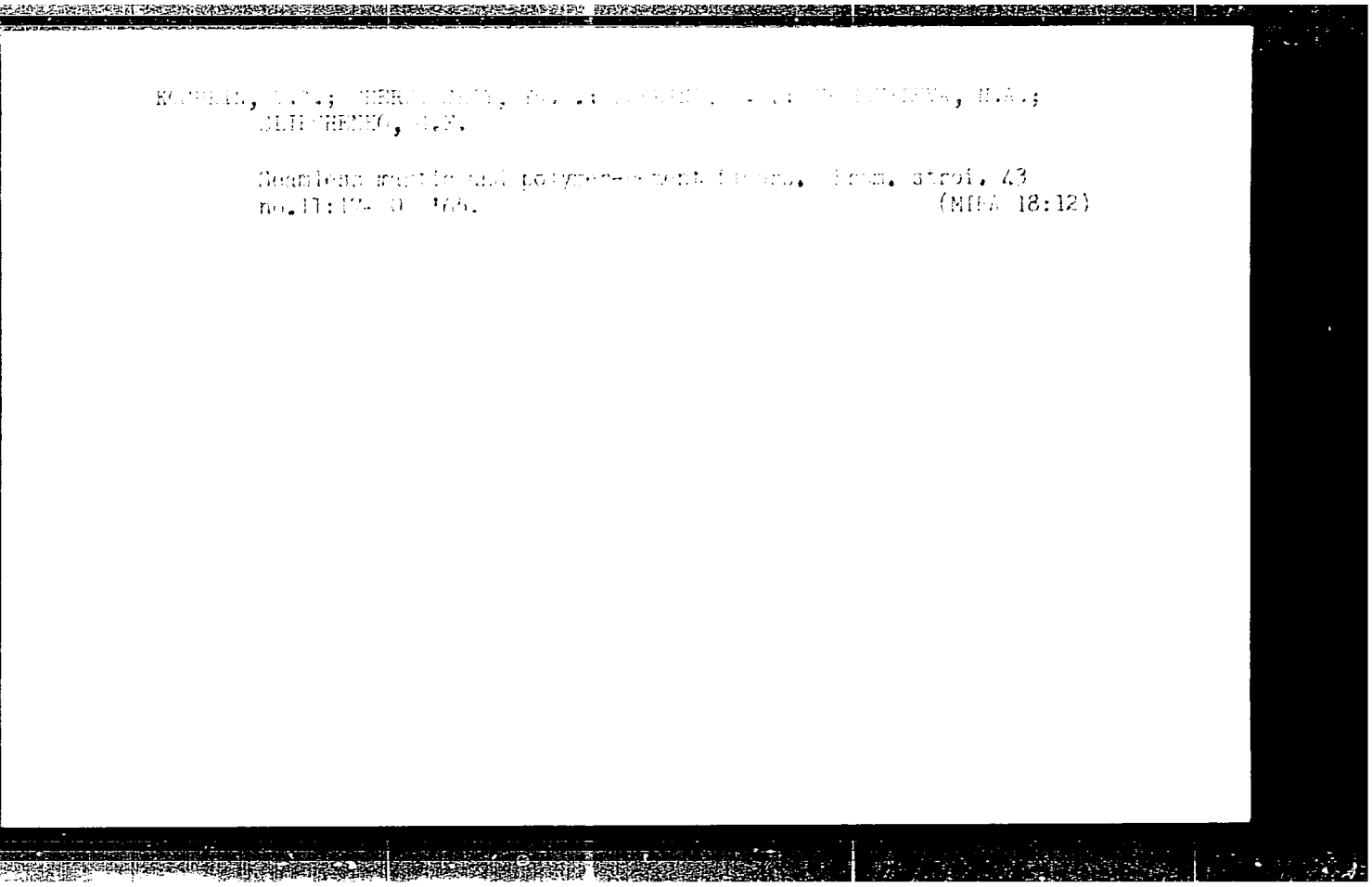
1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR, Moskva.

(ANTIBODIES,
influenza virus hemegglutinins, neutralization by human saliva (Rus))
(INFLUENZA VIRUSES, immunology,
hemagglutinins, neutralization by human saliva (Rus))
(SALVA, effects,
influenza virus hemagglutinins neutralization (Rus))

VAGEROV, V.S.; FARTUKOV, M.M.; CHIRVA, G.I.; SHCHAVELEVA, A.P.

Upper Cretaceous sediments of the Bakhardenskaya skyhole. Izv. AN Turk.SSR.Ser.fiz.-tekh., khim. i geol.nauk no.5:79-84 '65. (MIRA 18:11)

1. TSentral'naya kompleksnaya tematicheskaya ekspeditsiya GPGK Turkmenskoy SSR.



L 15882-66 EWP(e)/EWT(m) WH

ACC NR: AP6002807 SOURCE CODE: UR/0237/60/000/011/0027/0031

AUTHOR: Demkina, L. I.; Selezneva, A. M.; Shchavelev, O. S.; Babkina, V. A.

ORG: none

TITLE: The dependence of thermooptical properties of silicate glasses on their composition

SOURCE: Optiko-mekhanicheskaya promyshlennost', no. 11, 1960, 27-31

TOPIC TAGS: silicate glass, temperature dependence, optic glass, glass property

ABSTRACT: The present paper gives the results of an experimental study of the average increase in the value of the absolute index of refraction in glasses caused by increases in temperature at 643, 508, and 480 mμ wavelengths. The four base glasses used consisted of 1) SiO_2-80, K_2O-4, Na_2O_3-16, and As_2O_3-0.1; 2) SiO_2-80, K_2O-8, Na_2O-12 and As_2O_3-0.1; 3) SiO_2-75, PbO-19, K_2O-6, and As_2O_3-0.2; and 4) SiO_2-75, B_2O_3-3, As_2O_3-0.2, BaO-7, ZnO-4, K_2O-8, and Na_2O-3. They contained various amounts of SiO_2, TiO_2, B_2O_3, Al_2O_3, As_2O_3, Sb_2O_3, PbO, BaO, ZnO, CaO, K_2O, and Na_2O admixtures. Experimental data orga-

Card 1/2

L 15882-66

ACC NR: AP6002807

nized in the form of comprehensive tables permitted empirical determinations of the constants entering into theoretical expressions established by L. I. Demkina (Issledovaniye zavisimosti svoystv stekol ot ikh sostava, Oborongiz, 1959) describing the temperature dependence of various optical indexes. Orig. art. has: 7 formulas, 2 figures, and 5 tables.

SUB CODE: 11, 20 / SUBM DATE: 12Aug60 / ORIG REF: 006 / OTH REF: 008

Card 2/2

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SOV/81-59-5-17733

15.9300

Translation from: Referativnyy zhurnal, Khimiya, 1959, Nr 5, pp 560 - 561 (USSR)

AUTHORS: Biderman, V.L., Drozhzhin, P.Kh., Pugin, V.A., Shchaveleva, V.F.

TITLE: The Experimental Investigation of Deformations Occurring in Parts of the Tread in a Pneumatic Tire

PERIODICAL: Tr. N.-i. in-ta shin. prom.-sti, 1957, Nr 3, pp 5 - 15

ABSTRACT: A method is described for measuring the deformations (D) occurring in parts of the tire (T) and some of the results of a study of D in the internal and external layers of the tread are submitted, depending on the factors of its construction and its operation conditions. The measuring of D is performed with a tensometer, which is a thin steel ⊓-shaped cramp; wire transducers are pasted onto the horizontal plate from both sides. The fastening and insertion of the tensometer into the tread part, which is being measured, is accomplished by means of needles soldered onto the cramp with rubber disks, vulcanized onto it. A holder is also soldered onto the cramp for fastening the transducer

Card 1/5

SOV/81-59-5-17733

The Experimental Investigation of Deformations Occurring in Parts of the Tread in a Pneumatic Tire

onto the tread. The transducer is fed by a direct current. The electrical signal from the tensometer is amplified and fed to an oscillograph. In order to get a horizontal deflection of the beam of the latter a special scanning device is installed, which is a potentiometer, the brush of which rotates together with the tire, whereby the deflection of the beam of the oscillograph is proportional to the angle of T rotation. D was measured at various velocities of the rolling up to 50 - 60 km/hr. When the tread is rolling along a smooth surface the zone of the D elements of T spreads to 1/3 of the T circumference. The curves of change of the meridional (profile) and circumferential D, in the internal as well as the external layers of the tread, have the shape of three extrema, in which case the circumferential and meridional D have different signs in all the points. In the meridional direction the maximum D take place at a distance of 110 - 120 mm from the crown and at the same distance in the circumferential direction, whereby the value of D reaches 5 - 6%. The threads of the cord near the crown are subjected to D of stretching. The value of D of the threads is 1.0 - 1.5% above the initial

4

The Experimental Investigation of Deformations Occurring in Parts of the Tread in a Pneumatic Tire

lengthening (2%), which depends on the internal pressure in T. On the side part the threads operate under compression, the greatest D (1.8 - 2.2%) of which occur in the cross-section located at 110 - 120 mm from the crown. D of the rubber in the layer (30 - 40%) are mainly shear D. Additional dynamic D of the threads of the cord along the crown practically do not depend on the internal pressure. Compression D of the threads on the side within a pressure range of 2 - 5 kg/cm^2 do not depend either on the internal pressure. With a drop in the pressure to $<$ 2 kg/cm^2 the compression D increase. At a constant deflection the D of the rubber in the layer actually do not change due to internal pressure. The cord D along the crown do not depend on the deflection of T when the latter changes from 10 - 40 mm. With an increase in the deflection the compression D of the threads on the side increase. The shear D of the rubber in the layer also increase with an increase in the deflection. A change in the rolling velocity of T from 3 to 50 km/hr has no significant effect on the rubber and cord D. Pressing obstacles into T, D of the threads increase approximately in proportion to

The Experimental Investigation of Deformation Occurring in Parts of the Tread in a Pneumatic Tire

the magnitude of the impression and decrease with a drop of the internal pressure in T. With an increase in the number of layers of T, the thread and rubber D in the layers increase. A change in the cut angle of the chord threads (42, 52, 60°) has little effect on the cord thread D. When a concentrated load acts on T, an increase in the angle of the thread causes some increase in their D. With an increase in the thread angle from 42 to 60° the rigidity of the carcass in the circumferential direction increases, and in the meridional direction decreases, whereby the D of the layers in the circumferential direction decrease by 25 - 30%, and in the meridional direction increase by 40 - 50%. With an increase in the rigidity of the chord, the thread D decrease. The conditions of the cord D during rolling of T are close to the given conditions of the D cycle work. The shear D of the rubber in the layers do not depend on the type of the chord. When a concentrated load acts, the thread D in the tread made of hard rubber is greater than in soft one. The type of the profile and its depth have no

The Experimental Investigation of Deformation Occurring in Parts of the Tread in a Pneumatic Tire

significant effect on the cord and rubber D when T rolls along a smooth path. When a concentrated load acts upon T, the profile type, its depths and the thickness of the sub-groove layer have an effect on the cord thread D.

M. Khromov

Card 5/5

Shchavaleva, V. F.

1-4E20(4)
2 May

11/1

821. Tyres with metal cord. V. L. Biderman, A. P. Bogaevskii and V. F. Shchavyleva. *Kauch. i Rezina*, 1957, 16, No. 4, 19–22. This is a survey of non-Russian projects and achievements, with particular reference to Michelin tyres which have been tested and destructively analysed in the Nauchno-Issled. Inst. Shinnoi Prom. 60A211323

L 29324-65 EWT(d)/EWT(m)/EWP(w)/EWA(d)/EWP(v)/T/EWP(t)/EWP(k)/EWP(h)/EWP(b)/
EWP(l) Pf-4 JD/EM

ACCESSION NR: AP5007682 S/0032/65/031/003/0374/0377

AUTHORS: Kul'bakh, A. A.; Shchavelin, V. M.; Makarychev, B. A.

TITLE: Device for measuring hardness at high temperatures

SOURCE: Zavodskaya laboratoriya, v. 31, no. 3, 1965, 374-377

TOPIC TAGS: material, material strength, hardness tester, heat tolerance

ABSTRACT: A device for measuring hardness of infusible materials in a temperature range from room temperature to 2000-3000C is described. The device consists of a vacuum chamber mounted upon a table which also holds the control console. The chamber contains a hoist-rotation table 1 for the specimens, a storage tube for specimens, with the loading device 3, the indentor unit 4, with replaceable weights 5 (see Fig. 1 on the Enclosure) and a heater system. The cylindrical core 6 of the chamber is fashioned of stainless steel and is double-walled to permit water-cooling. The sides 7 of the chamber also allow water cooling. The vacuum seal is aided by resin plugs 8. Special devices are used for internal loading and test control. Specimen sizes are prescribed in accordance with temperature ranges. The authors made the following comparative description of the given construction: 1) the loading weights on the indentor are completely inside the vacuum chamber, hence errors due to introducing loads externally are avoided; 2) application and removal

Card 1/2

of loads are automated and carried out continuously; 3) the time length of load application is given by means of a relay; 4) transmission of the specimen to the heating and loading zone is automated, thus expediting and facilitating the testing process. An additional view of the chamber is given in Fig. 2 on the Enclosure. The authors acknowledge the participation of Yu. G. Godin in the development of the device and of N. A. Yevstyukhin in its construction. Orig. art. has: 1 photograph and 2 figures.

ASSOCIATION: Moskovskiy inzhenerno-fizicheskiy institut (Moscow Engineering Physics Institute)

SUBMITTED: 00 ENCL: 04 SUB CODE: MT,TD

NO REF SOV: 001 OTHER: 000

ACCESSION NR: AT4001250 S/2504/63/023/000/0134/0[illegible]

AUTHOR: Levshin, V. L.; Arapova, E. Ya.; Blazhevich, A. I.; Voro-[illegible] V.; Voronova, I. G.; Gutan, V. B.; Lavrov, A. V.; Popov, [illegible]; Fridman, S. A.; Chikhacheva, V. A.; Shchavenko, V. V.

TITLE: Study of cathode luminescence of zinc sulfide and other phosphors

SOURCE: AN SSSR. Fizicheskiy institut. Trudy*, v. 23, 1963, [illegible]

TOPIC TAGS: luminescence, cathode luminescence, phosphor, [illegible] phosphor, phosphorescence, photoluminescence, zinc sulfide, [illegible] energy, phosphor excitation

ABSTRACT: This is a review article devoted to a theoretical and experimental analysis of excitation energy losses in cathode luminescence. The approximate maximum cathode luminescence yield, exchange

Card 1/

ACCESSION NR: AT4001250

of energy between an electron beam and a layer of luminor through which it passes, and also the evolution of individual glow processes as functions of the excitation density and the temperature. Particular attention is paid to an investigation of the persistence properties of ZnS phosphors and their connection with the location and filling of the electron and hole localization levels. A detailed analysis is made of the energy losses resulting from thermalization of electrons and holes, and it is shown that in cathode luminescence these unavoidable losses are very large and decrease the glow efficiency by approximately 2.5 times. Allowing for other losses, the overall glow efficiency in cathode luminescence cannot exceed 0.30. The study of the passage of an electron beam through evaporated layers of zinc-sulfide luminors has established the volume dependence of the electron penetration depth and the energy losses at different depths of electron penetrations. The dependence of the spectral composition, brightness, and energy glow yield of various zinc-sulfide and phosphate luminors on the current density.

Card 2/4

ACCESSION NR: AT4001250

voltage, and temperature were investigated. A glow efficiency of 0.256 was calculated for one type ZnS-Ag luminor. The attenuation of glow of different types of cathode luminors to 0.1, 0.01, and 0.001 of the initial brightness was investigated and the presence of two superimposed de-excitation processes of different durations is established. The causes of the reduction in the duration of afterglow with increasing excitation density are considered. The arrangement and development of localization level of the investigated luminors was studied by the thermal de-excitation method and a connection was established between the attenuation and liberation of the levels at definite depths. "The authors are grateful to senior designer A. G. Ovchinnikov, radio technicians V. P. Ly*sc and Yu. A. Platukhin, senior laboratory assistants Z. M. Bruk, S. B. Kondrashkin, N. V. Mitrofanova, L. N. Petrakov, and R. D. Sy*chkov and laboratory assistant V. P. Prokhorova who helped with the present work." Orig. art. has: 66 figures, 28 formulas, and 4 tables.

Card 2/4