

Foam Plastics; Collection of Articles

SOV/4207

Poplov, V.A. and V.A. Kontrat'yeva. Foam Plastic Sheets Based on Phenol Formaldehyde Resin and Its Combinations With Rubber and Fillers

91

This is a detailed study of foam plastic sheet production based on phenol formaldehyde lacquer resin (foam plastic sheet FF) and on combinations of this resin with acrylonitrile (foam plastic sheet of the FK type). In the Soviet Union these foam plastics are produced by the non-pressure method and are among the most commonly used products.

Khimenko, G.S., V.A. Popov, S.L. Fleyshman, K.P. Gorskiy, and G.M. Smolentsev. Application of Foam Material FK-20-ST in the Manufacture of Antenna Reflectors of Aircraft Radio Electronic Equipment

109

This study data on the physical, mechanical, and dielectric properties of foam material FK-20-ST. It also includes data on the design of antenna reflectors, the molds for reproducing such reflectors, and their fields of application. It is concluded that antenna reflectors made from foam material can be produced at a lower cost than from metal.

Kafengauz, A.P. and Ye. I. Yudicheva. Production of Gas Filled Polyurethanes

117

This study describes the technology of producing gas filled polyurethanes, the properties of polyurethanes, and fields of application. It also includes data on the polyesters, diisocyanates, catalysts, and emulsifying agents used in the production of gas filled polyurethanes.

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Pavlov, V.V., M.S. Goryachev, and T.P. Durasova. Using Polyurethane Foam Sheets in Aircraft Structures 131  
This study contains data on the technology of producing radomes and dielectric grating reflectors for antenna installations. It also includes data on various ways of filling the structures with foam material

Borodin, M.Ya., and Z.I. Kazakova. Foam Plastic Sheets From Organic Silicon 157  
This study contains data on the production technology and properties of foam plastic sheet K-40 made from organic silicon. High thermal stability and good dielectric and heatproof properties make this foam plastic suitable for applications in the field of radio engineering and heat insulation at temperatures of 200-250° up to 500 hours and at temperatures of 300-350° up to 50 hours.

Losev, I.P., D.A. Kuznetsov, and V.D. Valgin. Foam Plastic Sheets Based on Polyepoxy Resins With Aromatic Diamines 167  
This study contains experimental data on the production technology and properties of foam plastic sheets made from polyepoxy resins with aromatic diamines. It also includes data on the interaction of such

Card 7/8

Foam Plastics; Collection of Articles

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resins with metaphenylenediamine and on the optimum foaming conditions for the compositions, and on the effect of the surface active compounds on foaming conditions. This type of foam plastic sheet can be used as structural and electric insulation material at operating temperatures up to 110° in the field of aviation and electrical engineering.

AVAILABLE: Library of Congress

Card 8/8

JA/rn/gap  
9-21-60

PAVLOV V.V

PAGE 1 BOX 10-123456 307/AD7

Polymers and Plastics: A Practical Approach. Edited by V.V. Pavlov, and M.V. Korotkiy. Moscow, 1960. 180 p. Series 51P. ISBN 5-050 copies printed.

Edited by V.V. Pavlov, and M.V. Korotkiy. Moscow, 1960. 180 p. Series 51P. ISBN 5-050 copies printed.

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Edited by V.V. Pavlov, and M.V. Korotkiy. Moscow, 1960. 180 p. Series 51P. ISBN 5-050 copies printed.

S/081/62/000/009/067/075  
B101/B144

15.2460  
AUTHORS:

Rogov, L. V., Pavlov, V. V.

TITLE:

Production of foam polystyrene by means of various foaming agents

PERIODICAL:

Referativnyy zhurnal. Khimiya, no. 9, 1962, 592, abstract 9P51 (Sb. "Penoplastmassy", M., Oborongiz, 1960, 45 - 49)

TEXT: A method was developed for producing foam plastics (FP) with a density of 0.03 to 0.1 g/cm<sup>3</sup>, usable up to 70°C, based on polystyrene emulsion and formed by the use of foaming agents 5, 18, 254, and BSG (PS-5) with  $\gamma = 0.05$ ;  $\pi$ -5 (PS-5) with  $\gamma = 0.03$ ;  $\pi$ -18 (PS-18) with  $\gamma = 0.03$ ;  $\pi$ -E (PS-BSG) with  $\gamma = 0.05$ ;  $\pi$ -5 (PS-5) with  $\gamma = 0.06$ ;  $\pi$ -254 (PS-254) with  $\gamma = 0.1$ ). The PS-18 having a homogeneous fine-pored structure and a good surface was the best of the FP so obtained. To produce FP, polystyrene is mixed in ball mills for 14 - 18 hr, with the corresponding amount of foaming agents. The finished mixture is screened through a silk sieve no. 30, then compressed at 100°C under 100 - 150 atm. The semiproducts are foamed at 98 - 100°C for 3 - 4 hr in

Card 1/2

33579  
S/194/61/000/012/090/097  
D271/D301

15.8460  
9.1500 (1127)

AUTHOR: Pavlov, V. V.

TITLE: Technology and properties of expanded polystyrene radomes

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika, no. 12, 1961, 43, abstract 12I241 (V sb. "Penoplastmassy", M., Oborongiz. 1960, 64-80)

TEXT: Expanded polystyrene with its exceptionally high and stable electrical properties was one of the first foam plastics which attracted the attention of investigators developing radomes. It is known that polystyrene can be given a foamed structure by various methods, but for radomes the best is pressing which produces an expanded material of the greatest strength, with a homogeneous small-cell structure. For a long time, however, it was not possible to use expanded polystyrene for radomes because of their specific properties (large dimensions, thin walls, complex shape) and because suitable technological production methods did not

Card 1/2

15.8370

31570  
S/081/61/000/022/068/076  
B144/B138

AUTHORS: Pavlov, V. V., Goryachev, M. S., Durasova, I. F.

TITLE: Utilization of polyurethane foam plastics in aircraft construction

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 22, 1961, 452, abstract 22P75 (Sb. "Penoplastmassy". M., Oberongiz, 1960, 131-156)

TEXT: General information on the following subjects is given: production technology for foam polyurethanes (FP), main physical and mechanical properties of NY-101 (PU-101) and NY-101A (PU-101A) type FP's, and the production technology for radomes, grating reflectors, products with closed reinforcing framework, with simultaneous bonding of the reinforcing framework, pannels and heat-insulating blocks, and to radiotransparent inserts. The paper also describes the use of FP as a light potting compound, the moulding of complex small parts 30-50 cm<sup>3</sup> volume with varying wall thicknesses, the filling of product by means of an insert, and investigations made to determine the resistance of radomes to deformation under the effect of high temperatures. [Abstracter's note: Complete translation.]  
Card 1/1

PAVLOV, V. V.

PHASE I BOOK EXPLOITATION

SOV/6063

Aleksandrov, Avraam Yakovlevich, Mikhail Yakovlevich Borodin, and Viktor Vasil'yevich Pavlov

Konstruktsii s zapolnitelyami iz penoplastov (Constructions With Foamed-Plastic Fillers). Moscow, Oborongiz, 1962. 186 p. Errata slip inserted. 4500 copies printed.

Ed. (Title page): A. Ya. Aleksandrov, Doctor of Technical Sciences, Professor, Ed. : L. M. Kurshin, Candidate of Technical Sciences; Ed. of Publishing House: N. A. Gortsuyeva; Tech. Ed. : A. Ya. Novik; Managing Ed. : S. D. Krasil'nikov, Engineer.

PURPOSE: This book is intended for design engineers, designers, process engineers, and students of schools of higher technical education.

COVERAGE: The book deals with the characteristics of working with units constructed with foamed-plastic and similar light fillers. Methods of designing,

Card 1/1

2



Constructions With Foamed-Plastic Fillers

SOV/6663

manufacturing, calculating, and testing the strength of such structures are discussed. General information on foamed plastics and their physicochemical properties is also given. Ch. I was written by M. Ya. Borodin; Ch. II, by V. I. Pavlov (except parts A and B of section 4, article 2, and article 4), and the Introduction, Chs. III and IV, and the remainder of Ch. II, by A. Ya. Aleksandrov. No personalities are mentioned. There are 34 references: 15 Soviet, 14 English, 4 German and 1 Italian.

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Ch. I. Foamed Plastics	11
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1. Structure of foamed plastics	11
2. Production methods and principles for foamed plastics	12
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Card 2/2  
2

L 17408-63

EWT(1)/EWT(m)/BDS AFFTC

S/145/62/000/012/007/011

AUTHOR: Pavlov, V. V., Aspirant 52

TITLE: On the interchangeability of design parts by parameters

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Mashinostroyeniya,  
no. 12, 1962, 115-122

TEXT: The author considers several aspects of the analysis of the prob-  
lem of interchangeability as a whole utilizing several concepts of the general  
theory of sets and functions. Such an approach permits a unique classification  
of the parameters of the elements of construction and a definition of the con-  
cepts of absolute, complete, and limited interchangeabilities. The author sug-  
gests the use of superposed graphs of interrelationships between the errors in  
the parameters of the elements as an aid in the solution of problems of inter-  
changeability of specific elements of construction.

ASSOCIATION: Moskovskiy aviatsionnyy institut (The Moscow Aviation Institute)

SUBMITTED: July 6, 1961

Card 1/1

PAVLOV, V.V.

Palynological data on the age of deposits composing the elevation  
of Sobo-Khaya at the mouth of the Vilyuy River (Lena coal basin).  
Sbor.st.po paleont.i biostrat. no.12:74-77 '58.

(MIRA 13:4)

(Sobo-Khaya region--Palynology)

PAVLOV, V.V.

Results of a palynological analysis of samples from deposits  
of the Beacon sedimentary-volcanic series (Antarctica, King  
George V Land, Cape Bluff). Sbor.st.po paleont.i biostrat.  
no.12:77-79 '58. (MIRA 13:4)  
(George V Coast--Palynology)

PAVLOV, V.V.

Identifying species of the fern genus Coniopteris by spores.  
Sbor. st. po paleont. i biostrat. no.13:59-61 '59.  
(MIRA 13:3)

(Coniopteris) (Spores (Botany))

PAVLOV, V.V.

Some problems concerning the relation between spore and  
pollen complexes and the lithological composition of  
rocks. Sbor.st.po paleont.i biostrat. no.16:94-105  
'59. (MIRA 13:3)

(Palynology)

PAVLOV, V.V.

Comprehensive study of vegetation based on phytological analysis  
and studies of leaf impressions. Sbor.st.po paleont.i biostrat.  
no.18:66-78 '60. (MIRA 13:8)  
(Paleobotanical research)

VASILEVSKAYA, Nina Dmitriyevna; PAVLOV, Vadim Viktorovich; GUSEV, A.R.,  
kand. geol.-mineral. nauk, red.; IONINA, I.N., vedushchiy red.;  
YASHCHURZHINSKAYA, A.B., tekhn. red.

(Stratigraphy and flora of Cretaceous sediments in the Lena-  
Olenok region of the Lena coal basin] Stratigrafiya i flora  
melovykh otlozhenii Leno-Oleneskogo raiona Lenskogo uglenosnogo  
basseina. Leningrad, Gostoptekhzdat, 1963. 95 p. (Leningrad.  
Nauchno-issledovatel'skii institut geologii Arktiki. Trudy,  
vol. 128. Problemy neftegazonosnosti Arktiki, vol. 2).

(MIRA 16:6)

(Lena Basin--Paleobotany, Stratigraphic)

(Lena Basin--Coal geology)



POPEL', S.I. (Sverdlovsk); PAVLOV, V.V. (Sverdlovsk)

Effect of the surface activity of componenta dissolved in iron  
on the consecutiveness of their oxidation. Izv. AN SSSR. Met.  
i gor. delo no.5:42-49 S-0 '63. (MIRA 16:11)

POPEL', S. I.; PAVLOV, V. V.; YESIN, O. A.

Calculation of the surface tension of liquids by means of the  
excess isochore-isotherm potential. Part 1. Zhur. fiz. khim.  
37 no. 3:622-627 Mr '63. (MIRA 17:5)

1. Ural'skiy politekhnicheskii institut imeni Kirova, Sverdlovsk.

L 16918-63

EWP(q)/EWT(m)/BDS AFFTC/ASD JD

S/076/63/037/004/008/029

51  
56

AUTHOR: Pavlov, V. V., Popel', S. I., Yesin, O. A.

TITLE: Calculation of the surface tension of liquids from the excess isochore-isotherm potential. II. Molten salts and metals

PERIODICAL: Zhurnal fizicheskoy khimii, V. 37, No. 4, 1963, 797-801

TEXT: With the use of the excess isochore-isotherm potential an equation is derived which correlates the surface temperature of ionic liquids with the temperature, volume, and saturated vapor pressure. Thus

$$\sigma = 0.157 (1 + 8\beta) T \frac{4.58 + \lg (T/V) - \lg P}{V_{liq}^{2/3}} \quad (7)$$

Here T is the temperature; V is the volume; and P is the saturated vapor pressure. The values for  $\sigma$  and  $d\sigma/dt$  calculated for molten salts are in satisfactory agreement with the experimental data. An equation derived earlier for molecular liquids can be applied to estimate the surface tension of metals which have a simple cubic structure. The equation is

Card 1/2

L 16918-63

s/076/63/037/004/002/029

Calculation of the surface tension of liquids from ...

$$\sigma = 1/6 \frac{RT \sqrt{\ln (RT/PV_{liq}) - 1}}{N_0^{1/3} V_{liq}^{2/3}} \quad (9)$$

$N_0$  is the number of non-interacting particles.  $RT$  is the change of the mole isochore potential. Satisfactory agreement between calculated and experimental data also occurs here. There are 2 tables.

ASSOCIATION: Ural'skiy politekhnicheskii institut imeni S. M. Kirova (Ural Poly-technical Institute imeni S. M. Kirov), Sverdlovsk

SUBMITTED: March 12, 1962

Card 2/2

POPEL', S. I.; PAVLOV, V. V.

Rate limiting reaction in a converter bath. Izv. vys.ucheb.  
zav.; Chern met. 7 no. 4:5-10 '64. (MIRA 17:5)

1. Ural'skiy politekhnicheskiy institut.

PAVLOV, V.V.; POPEL', S.I.

Kinetic characteristics of the  $\text{C} \rightarrow \text{O} \rightarrow \text{Co}$  reaction developing  
at the surface of bubbles of a boiling bath. Izv. vys. ucheb.  
zav. Chern. met. 7 no. 6:5-10 '64. (MIRA 17:7)

1. Ural'skiy politekhnicheskiy institut.

PAVLOV, V.V.; POPEL', S.I.

Calculating surface tension and the surface concentration of  
components in oxide melts. Izv. vys. ucheb. zav.: tevt. met.  
7 no.6:30-37 '64. (MIRA 18:3)

I. Ural'skiy politekhnicheskiy institut, kafedra teorii metal-  
lurgicheskikh protsessov.

PAVLOV, V.V.

Use of intubation anesthesia. Zdrav. Kazakh. 21 no.1:18-21 '61.  
(MIRA 14:3)

1. Iz Severo-Kazakhstanskoy oblastnoy bol'nitsy.  
(INTRATRACHEAL ANESTHESIA)



PAVLOV, V.V.

Late pains following herniotomy and characteristics of the topography  
of the ilioinguinal nerve. Zdrav. Kazakh. 21 no.5:24-27 '61.  
(MIRA 15:2)

1. Iz khirurgicheskogo otdeleniya Severo-Kazakhatanskoy oblastnoy  
bol'nitsy. (HERNIA) (ILIOINGUINAL NERVE)

PAVLOV, V.V.; ANDREYEV, D.P.

Operative treatment in acute stages of Werlhof's disease. Zdrav.  
Kazakh. 21 no.8:70-71 '61. (MIRA 14:9)

1. Iz Severo-Kazakhstanskoy oblastnoy bol'nitsy.  
(PURPURA (PATHOLOGY))

PAVLOV, V.V.; KOVALEV, V.A.

Extensive cavernous hemangioma. Zdrav. Kazakh. 22 no.10:71-72  
'62. (MIRA 17:5)

1. Iz Severo-Kazakhstanskogo oblastnogo onkologicheskogo  
dispansera.

PAVLOV, V.V.; KIRKIN, K.I.

Application of entomological methods in the study of the biology of the pest of the  
sugar beet (C. rubra) (MIRA 1963)

1. Izobrazheniya i opisanie...

PAVLOV, V.V.; POPEL', S.I.

Dependence of the surface tension of real solutions on composition and temperature. *Zhur. fiz. khim.* 39 no. 1:84-186  
Ja '65. (MIRA 19:1)

1. Ural'skiy politekhnicheskiy institut imeni S.M. Kirova.  
Submitted December 19, 1963.

PAVLOV, V.V.; POPEL', S.I.; YESIN, O.A.

Calculation of the surface tension and adsorption of the components on the interface of condensed phases. Zhur. fiz. khim. 39 no. 1:214-218 Ja '65 (MIRA 19:1)

1. Ural'skiy politekhnicheskiy institut. Submitted February 18, 1964.

PAVLOV, V.V.; POPEL', S.I.

Temperature dependence of the surface tension of solutions.  
Zhur. fiz. khim. 39 no.4:973-977 Ap '65.

(MIRA 19:1)

1. Ural'skiy politekhnicheskii institut. Submitted May 6, 1964.

I 14531-66 EWT(d)/EWT(m)/EPF(n)-2/EWP(v)/T/EWP(t)/EWP(k)/EWP(h)/EWP(b)/EWP(l)  
ACC. NR. AP6005278 LJP(c) JD/WW/HW/JG/SOURCE CODE: UR/0413/66/000/001/0017/0017  
DJ

INVENTOR: Moskalenko, N. D.; Novikov, O. K.; Pavlov, V. V.; Garibov, G. S.; Makhnovskiy, V. S.; Zhizhina, T. S.; Rakhinskiy, G. N.; Shur, I. A.

61  
B

ORG: none

TITLE: Continuous mill for rolling aluminum strips from liquid metal, Class 7,  
No. 177395

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyya znaki, no. 1, 1966, 7

TOPIC TAGS: aluminum, aluminum strip, aluminum strip rolling, continuous rolling, rolling mill, liquid metal rolling

ABSTRACT: This Author Certificate introduces a continuous mill for rolling aluminum strips from liquid metal. The mill comprises a continuous casting machine with a mold formed by a metal belt and a wheel, a raw strip guiding stand, a planetary mill and a finishing stand. In order to synchronize the casting and rolling rates, the

Card 1/2

UDC: 1669.716:621.746.271 621.771.237.064



PAVLOV, V.V., inzhener, nauchnyy redaktor; BEGAK, B.A., redaktor izdatel'stva;  
BOSEVA, S.S., tekhnicheskiy redaktor

[Charts for general mechanization of construction work] Skhemy kompleksnoi mekhanizatsii stroitel'nykh rabot. Moskva, Gos.izd-vo lit-ry po stroit. i arkhit. No.2, sec.3. [Earthwork in laying out foundation pits and trenches for industrial and public buildings] Zemlianye raboty pri ustroistve kotlovanov i transei pod promyshlennye i grazhdanskie sooruzhenia. 1957. 121 p. (MLRA 10:7)

1. Akademiya stroitel'stva i arkhitektury SSSR, Nauchno-issledovatel'skiy institut organizatsii i mekhanizatsii stroitel'stva.  
(Earthwork) (Foundations)

AUTHOR: Pavlov, V. V. SOV/138-59-2-12/24  
TITLE: "Enclosed" Type Press Moulds (Press-formy zakrytogo tipa)

PERIODICAL: Kauchuk i rezina, 1959, Nr 2, pp 41-43 (USSR)

ABSTRACT: Rubber components (cord rings etc.) for machine construction which are required to operate at high temperature and under arduous conditions are not always satisfactory when pressed in the usual type of "open" or "partially enclosed" moulds as shown in Figs 1 and 2. Components from such moulds have a large amount of flash - amounting to 10 to 20% of the weight of the part, and much more in case of very small components. Besides the pressure is not maintained on the component since the flash holds the mould halves apart. The "enclosed" type of mould, shown in Fig 3, limits the amount of flash or flow-out to 0.8% to 2.0% of the weight of the component because there is internal and external vertical cylindrical confinement, as well as a horizontal confinement and the pressure is applied to virtually the true horizontal projected area of the component. Pressure distribution in these three types

Card 1/2

PAVLOV, V. V., Aspirant

"The Use of Reduced Geometric Characteristics in the Calculation of  
Beams and Plates During Elastoplastic Deformations." Cand Tech Sci, Moscow  
Order of Labor Red Banner Construction Engineering Inst imeni V. V. Kuybyshev,  
21 Dec 54. (VM, 10 Dec 54)

Survey of Scientific and Technical Dissertations Defended at USSR  
Higher Educational Institutions (12)  
SO: Sum. No. 556 24 Jun 55

PAVLOV, V.V.

Solar rotation and sunspots. *Biul. VAGO* no. 18:49-52 '56.  
(MIRA 10:1)

(Sun--Rotation) (Sunspots)

PAVLOV, V. V.  
 ISAKOV, I.S., prof., admiral flota, otv.red.; PETROVSKIY, V.A., dotsent, kand.voyenno-morskikh nauk, kontr-admiral, red. [deceased]; DEMIN, L.A., dotsent, kand.geograf.nauk, inzh.-kapitan 1 ranga, glavnyy red.; BARANOV, A.N., red.; BERG, L.S., akademik, inzh.-mayor, red.; BOLOGOV, N.A., dotsent, kontr-admiral v otstavke, red.; VITVER, I.A., professor, doktor geograf.nauk, red.; GRIGOR'YEV, A.A., akademik; YEGOR'YEV, V.Ye., zaslushennyy deyatel' nauki, prof., doktor voyenno-morskikh nauk, kontr-admiral v otstavke, red.; ZIMAN, L.Ya., prof., red.; ZUBOV, N.N., prof., doktor geograf.nauk, inzh.-kontr-admiral v otstavke, red.; KAVRAYSKIY, V.V., prof., doktor fiziko-mat.nauk, inzh.-kontr-admiral v otstavke, red.; KALIESNIK, S.V., prof., doktor geograf.nauk, red.; KUDRYAVTSEV, M.K., general-leytenant tekhn.voyesk, red.; LAMYKIN, S.M., kapitan 1 ranga, red.; MATUSEVICH, N.N., zaslushennyy deyatel' nauki i tekhniki, prof., doktor fiziko-mat.nauk, inzh.-vitse-admiral v otstavke, red.; [deceased]; MESHCHANINOV, I.I., akademik, red.; MILENKI, S.G., red.; ORLOV, B.P., prof., doktor geograf.nauk, red.; PANTELEYEV, Yu.A., vitse-admiral, red.; SNEZHINSKIY, V.A., dotsent, kand.voyenno-morskikh nauk, inzh.-kapitan 1 ranga, red.; SALISHCHEV, K.A., prof., doktor tekhn.nauk, red.; TRIBUTS, V.F., admiral, red.; FOKIN, V.A., doktor tekhn.nauk, red.; SHVEDE, Ye.Ye., prof., doktor voyenno-morskikh nauk, kontr-admiral, red.; SHULEYKIN, V.V., akademik, inzh.-kapitan 1 ranga, red.; PAVLOV, V.V., inzh.-polkovnik, red.; VOLKOV, F.G.,

(Continued on next card)

ISAKOV, I.S.---(continued) Card 2.  
 podpolkovnik, pomoshchnik glavnogo red. po isd-vu; SEDOV, N.Ye.,  
 kapitan 2 ranga, uchenyy sekretar'; VOROB'YEV, V.I., kapitan  
 1 ranga, red.kart; MIGALKIN, G.A., inzh.-kapitan 1 ranga, red.kart;  
 GAPONOVA, A.A., red.kart; GONCHAROVA, A.I., red.kart; GORBACHEVA,  
 N.Ye., red.kart; GHYUNBERG, G.Yu., red.kart; DUROV, A.G., red.  
 kart; YERSHOV, I.B., red.kart; ZIL'BERSHER, A.B., red.kart;  
 KASTAL'SKAYA, N.I., red.kart; KUBLIKOVA, M.M., red.kart; MAKAROVA,  
 V.N., red.kart; MOROZOVA, A.F., red.kart; PAVLOVA, Ye.A., red.  
 kart; POCHUBUT, A.N., red.kart; ROMANOVA, G.N., red.kart; SMIRNOVA,  
 L.V., red.kart; SMIRKOVA, L.N., red.kart; TANANKOVA, A.I., red.  
 kart; YANEVICH, M.A., red.kart; YASINSKAYA, L.F., red.kart;  
 VASIL'YEVA, Z.P., tekhn.red.; VIZIROVA, G.N., tekhn.red.; GOLOVANOVA,  
 A.T., tekhn.red.; GOROKHOV, V.I., tekhn.red.; MALINKO, V.I., tekhn.  
 red.; SVIDERSKAYA, G.V., tekhn.red.; CHERNOGOROVA, L.P., tekhn.red.;  
 FURAYEVA, Ye.M., tekhn.red.

[Marine atlas] Morskoi atlas. Otv.red. I.S. Isakov. Glav.red.  
 L.A. Demin. Izd. Morskogo general'nogo shtaba. Vol.1 [Navigation  
 geography] Navigatsionno-geograficheskii. Zamastitel' otv. red.  
 po I tomu V.A. Petrovskii. 1950. 83 maps. (MIRA 12:1)  
 (Continued on next card)

ISAKOV, I.S.---(continued) Card 3.

1. Russia (1923- U.S.S.R.) Voenno-morskoye ministerstvo.
2. Nachal'nik Morskogo kartograficheskogo instituta voyenno-morskikh sil (for Lamykin).
3. Deystvitel'nyy chlen Akademii pedagogicheskikh nauk RSFSR (for Orlov).
4. Nachal'nik Gidrograficheskogo upravleniya voyenno-morskikh sil (for Tributs).
5. General'nyy gosudarstv. direktor topograficheskoy sluzhby (for Baranov).
6. Direktor topograficheskoy sluzhby (for Milenki).  
(Ocean--Maps) (Harbors--Maps)

CHERDANTSEV, G.N.; BASHLAVINA, G.N.; MARUSOV, A.Ya.; MERKULOV, V.A.; FILIPPOV, Yu.V.; LARIN, D.A.; DENZIN, P.V.; KOMKOV, A.M.; KARAVAYEVA, Z.F.; MIROSHNICHENKO, A.F.; KOLDAYEV, P.K.; SKVORTSOV, P.A.; PAVLOV, V.V.

Discussion of K.A.Salishchev's report. Brief report of speeches of G.N. Cherdantsev, G.N.Bashlavina A.IA.Marusov, V.A.Merkulov, IU.V.Filippov, D.A.Iarin, P.V.Denzin, A.M.Komkov, Z.F.Karavaeva, A.F.Miroshnichenko, P.K.Koldaev, P.A.Skvortsov, V.V.Pavlov. Vop.geog. no.34:14-34 '54.  
(Cartography) (MLRA 7:12)



DAVLOV, V. V.

ALAMPIYEV, P.M., APENCHENKO, V.S., BEKOVA, T.N., BYUCHGENO, L.M., GINZBURG,  
G.Z., GORDONOV, L.Sh., GRIGOR'YEV, V.A., akademik; GUARARI, Ye. L.  
DANILOV, A.T., DEBIN, L.A., DOBROV, A.S., SHIRMUNSKIY, M.M.,  
KULAGIN, G.D., MILIKOVSKIY, A.G., MURRAYEV, T.M., DAVLOV, V.V.,  
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Lev Iakovlevich Ziman, 1900-1956; obituary. Izv. AN SSSR. Ser.geog.  
no.6:153-154 N-D '56.

(Ziman, Lev Iakovlevich, 1900-1956)

SHNEYDER, A.S., gornyy inzh.; PAVLOV, V.V., gornyy tekhnik

KZDSh-58 pyrotechnical relay; letter to the editors. Gor.zhur.  
no.10:40 0 '60. (MIRA 13:9)

(Mining engineering)

PAVLOV, V.V., inzh.

New way for using solar energy for industrial purposes.  
Energokhoz. za rub. no.5:45-46 S-0 '57. (MIRA 13:6)  
(United States--Solar batteries)

PAVLOV, V.V.

Use of the combined method for paleobotanical characteriza-  
tion of Upper Mesozoic sediments in some regions of the Lena  
Basin. Sbor. st. po paleont. i biostrat. no.32:68-78 '63.  
(MIRA 16:11)

KIRICHKOVA, A.I.; PAVLOV, V.V.

New Cretaceous ferns from the north of Siberia. Paleont. zhur.  
no.2:118-121 '65. (MIRA 18:6)

1. Vsesoyuznyy neftyanoy nauchno-issledovatel'skiy geologorazvedochnyy institut.

NEMILOV, Yu.A.; PAVLOV, V.V.; SELITSKIY, Yt.A.; SOLOV'YEV, S.M.  
EYSMONT, V.P.

Distribution of the masses and kinetic energies of fragments in the  
fission of  $\text{Th}^{232}$  by 12 Mev. deuterons. IAd. fiz. 1 no.4:633-638 Ap  
'65. (MIRA 18:5)

SHERSTOV, N.I.; PODOL, N.I.; PAVLOV, V.V.

Kinetic characteristics of coke burning in a layer of a sinter  
charge mixture. Izv.vyssh. shkol. SSSR: chem. nat. 8 no.8:10-15 '65.  
(MIRA 18:8)

I. Gial'skiy p. Dnievni shkol'nyy institut.

24 3000

S/058/62,000/005/058/119  
A057/A101

AUTHORS: Abdusadykov, T., Pavlov, V. Ye.

TITLE: Quantitative spectrographical determination of indium in some  
alkali-halogen crystal phosphors

PERIODICAL: Referativnyy zhurnal. Fizika, no. 5, 1962, 19, abstract 5G179  
("Sb. nauchn. rabot Kafedry optiki i Kafedry eksperim. fiz.  
Kazakhsk. un-t", 1960, no. 2, 145-153)

TEXT: Results are presented on the determination of In concentration in  
the alkali-halogen crystal phosphors NaCl-In, KCl-In and KBr-In prepared by the  
method of thermodiffusion from the gaseous phase. The concentration of In in  
NaCl, KCl, and KBr, containing and not containing non-activating ions  $Sr^{2+}$  and  
 $Ca^{2+}$ , was varied by the duration of heating the evacuated ampoules with the  
components of phosphors. The quantitative determination of In was carried out by  
photographic photometry of the spectral lines of In with wavelengths 3039.36 and  
3256.1 Å and standard element (Li) by the method of three standards. The  
obtained data were used to verify some principal assumptions of the process of  
formation of crystal phosphors.

[Abstracter's note: Complete translation]  
Card 1/1

P. Khellenurme

1B



12072

S/503/62/014/000/007/007  
I023/I223

3.5150

AUTHOR: Pavlov, V.Ye.

TITLE: On the determination of the coefficient of scattering of light in Earth' atmosphere for small scattering angles

PERIODICAL: Akadmiya nauk Kazakhskoy SSR. Astrofizicheskiy institut. Izvestiya. v.14. 1962, 110-112

TEXT: In calculating the scattering of light in the atmosphere the rays from the sun are shown as a shaft of parallel rays. This assumption is correct for large scattering angles, but for smaller angles the actual disk of the Sun ( $32^\circ$ ) should be taken into account. The ratio *of* in the average scattering

Card 1/2

PAVLOV, V.Ye.

Atmospheric scattering indicatrice in the visual and  
ultraviolet spectral region. Astron. zhur. 41 no.3:546-549  
My-Je '64. (MIRA 17:6)

1. Astrofizicheskiy institut AN KazSSR.

ACCESSION NR: AP4017624

S/0033/64/041/001/0122/0127

AUTHOR: Pavlov, V. Ye.

TITLE: The atmospheric scattering indicatrix in the region of small and large scattering angles

SOURCE: *Astronomicheskii zhurnal*, v. 41, no. 1, 1964, 122-127

TOPIC TAGS: astronomy, astrophysics, atmosphere, scattering, scattering indicatrix, atmospheric scattering

ABSTRACT: The article discusses the results of a study of the atmospheric scattering indicatrix on the basis of sky brightness measurements at solar almucantar in the absence of a snow cover. The observations were made in the summer of 1962 on the territory of the Astrophysical Institute of the Kazakhstan Academy of Sciences and in a semidesert environment on the banks of the River Ili. The stability of the optical properties of the atmosphere was controlled by observations with the Fesenkov aureole photometer. The article discusses, specifically: 1) the atmospheric indicatrix at small scattering angles; 2) the effect of the circumsolar aureole on the computation of optical thickness by the scattering indicatrix; 3) the light scattering indicatrix in the Earth's atmosphere at large scattering angles. As a basis for their reasoning, the authors assumed that if one selects

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ACCESSION NR: AP4017624

as a scattering volume an atmospheric column with unit base and height equal to the height of the atmosphere, then according to measurements at solar almucantar it is possible to determine the directional scattering factor, calculated for the entire atmosphere

$$\mu(\theta) = \frac{B(\theta)}{E_0 \cdot P^m} \quad (1)$$

where  $B(\theta)$  is the brightness of the sky at an angular distance  $\theta$  from the Sun;  $E_0$  is the illumination of an area perpendicular to the Sun's rays, at the limit of the atmosphere;  $P$  is the transparency factor of the atmosphere;  $m$  is the atmospheric mass in the direction of the Sun. It is shown that, in the region of small scattering angles, the elongation of the indicatrix increases as the wavelength increases and as the absolute value of the circumsolar aureole increases. "In conclusion, the authors wish to express their gratitude to Ye. V. Pyaskovskaya-Fesenkova for her formulation of the problem of the investigation, and to P. N. Boyke, with whose assistance the observations of the scattering indicatrices were carried out in the semidesert area in the vicinity of the Ili River and who also provided a scattering indicatrix which he obtained on the top of Mount Kumbel'." Original article has: 8 figures and 4 formulas.

Card 2/3

ACCESSION NR: AP4017624

ASSOCIATION: Astrofizicheskiy institut Akademii nauk KazSSR (Astrophysical  
Institute of the Academy of Sciences Kazakhstan SSR)

SUBMITTED: 02Apr63

DATE ACQ: 18Mar64

ENCL: 00

SUB CODE: AS

NO REF SOV: 013

OTHER: 007

Card 3/3

PAVLDOV, V. Ye.: Master Tech Sci (diss) -- "The effectiveness of some systems of automatic braking of uncoupled cars in existing mechanized classification yards". Leningrad, 1958. 22 pp (Min Transportation USSR, Leningrad Order of Lenin Inst of Railroad Transport Engineers in Acad V. N. Obraztsov), 150 copies (KL, No 1, 1959, 120)

AID Nr. 976-12 26 May PAVLOV, V. YE.

## PHOTOELECTRIC SELF-RECORDING DAY-SKY PHOTOMETER (USSR)

Pavlov, V. Ye. IN: Akademiya nauk Kazakhskoy SSR. Astrofizicheskiy institut. Trudy, v. 3, 1962, 62-65. S/913/62/003/000/008/033

A photoelectric photometer capable of measuring the distribution of sky brightness in the almucantar of the sun from  $\theta = 1.5^\circ$  to  $\theta = 180^\circ$  has been constructed for the purpose of 1) studying the indicatrix of scattering at small scattering angles, 2) measuring indicatrices of scattering in an optically unstable atmosphere, and 3) improving the accuracy of computation of the optical depth and coefficient of asymmetry of scattered light flux. The tube of the photometer has a diameter of 40 mm and a length of 600 mm; it is equipped with diaphragms that delineate a solid angle of  $36'$  without penumbra, or  $48'$  with penumbra. An  $ЭВ-27$  photomultiplier serves as radiation receiver. Interference light filters with wavelengths  $\lambda = 447, 550,$  and  $630 \text{ m}\mu$  define the spectral region. The signal from the photomultiplier is delivered first to a four-tube d-c amplifier and then to an  $МТД-2$  loop oscillograph. The photometer rotates automatically in an azimuthal direction at the rate of four revolutions per minute.

[DM]

Card 1/1.

PAVLOV, V. Ye.

Determining light-scattering factor in the earth's atmosphere  
at small angles of scattering. Izv. Astrofiz. inst. AN Kazakh.  
SSR 14:110-112 '62. (MIRA 15:8)  
(Light-Scattering) (Atmosphere)



PAVLOV, V.Ye.; SHAROBAYKO, T.N., red.

[Automation of car classification in classification yards]  
Avtomatizatsiia sortirovki vagonov na sortirovochnykh stan-  
tsiakh; uchebnoe posobie. Leningrad, Leningr. in-t inzhene-  
rov zhel-dor. transp., 1962. 40 p. (MIRA 16:10)  
(Railroads--Hump yards) (Automation)

L 10901-67 EWT(1)/EWP(e)/EWT(m)/FCC DS/WJ/RO/GW/WH

ACC NR: AR6033091 SOURCE CODE: UR/0269/66/000/007/0030/0030

33

AUTHOR: Livshits, G. Sh. ; Pavlov, V. Ye. ; Milyutin, S. N.

TITLE: Absorption of light by atmospheric aerosols

SOURCE: Ref. zh. Astronomiya, Abs. 7. 51. 197

REF SOURCE: Tr. Astrofiz. in-ta. AN KazSSR, no. 7, 1966, 85-90

TOPIC TAGS: aerosol, light absorption, optic thickness, scattered light, light intensity

ABSTRACT: A laboratory method of separating the optic thickness of scattering and absorption which does not require the measurement of indicatrices has been developed. Past and scattered light is registered. The ratio of this sum to the incident luminous flux represents the coefficient of layer transparency which characterizes the extinction caused by pure absorption. An Ulbricht sphere is used in the system of the light collecting element. Light intensity in the visible and IR regions was registered by photomultipliers through interference filters. Absorption in aerosols was calculated during multipole reflection of light from the sphere. Particles of soot, lava, meteorites, graphite, clay, sand, etc., have

Card 1/2

UDC: 525.7

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ACC NR: AR6033091

been investigated. The presence of sand, clay, cement, or room dust does not cause a noticeable increase in pure absorption. Soot and coal cinder possess high values of pure absorption. Growth of pure absorption with decrease in wavelength is typical for many aerosols. The Forbes effect and the shallow absorption band in the blue part of the daylight sky spectrum may be caused by this growth.  
V. Zhuravlev. [Translation of abstract]

SUB CODE: 03/

Card 2/2 <sup>670</sup>

PAVLOV, V.Ye.

Indicatrix of light scattering in the earth's atmosphere  
in the ultraviolet spectral region. Trudy Astrofiz. inst.  
AN Kazakh.SSR 4:93-101 '63. (MIRA 16:11)

YABLONSKIY, A.A., prof., doktor tekhn.nauk; PAVLOV, V.Ye., kand.tekhn.nauk

Methods for comparing the effectiveness of automatic control  
systems for braking uncoupled cars. Sbor.LIIZHT no.170:8-33 '60.  
(MIRA 13:8)

(Railroads--Yards) (Automatic control)

PAVLOV, V.Ye., aspirant

Selecting a method for regulating movement of uncoupled cars in  
mechanized automated hump yards. Sbor. LIIZHT no.158:279-285

(MIRA 11:6)

'58.

(Railroads--Hump yards) (Automatic control)

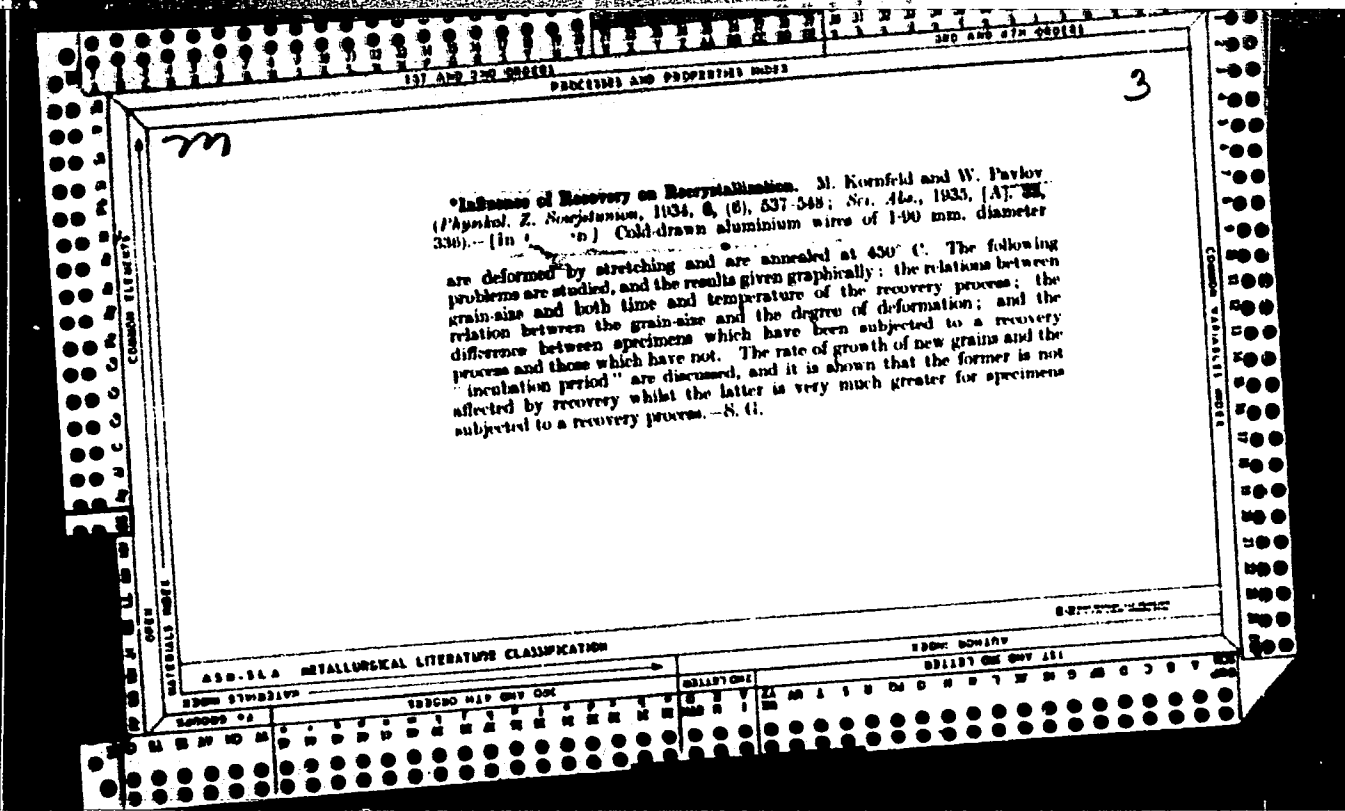
YABLONSKIY, A.A., doktor tekhn.nauk, prof.; PAVLOV, V.Ye., inzh.

Power of brake positions in existing mechanized hump yards.  
Sbor. LIIZHT no.153:209-223 '58. (MIRA 11:8)  
(Railroads--Hump yards)  
(Railroads--Brakes)

S/081/62/000/011/016/057  
E111/E152

AUTHORS: Abdusadykov, T., and Pavlov, V. Ye.  
TITLE: Quantitative spectrographic determination of indium  
in some alkali-halide crystallophosphores  
PERIODICAL: Referativnyy zhurnal, Khimiya, no.11, 1962, 140,  
abstract 11 D 88. (Sb. nauchn. rabot Kafedry optiki  
i Kafedry eksperim. fiz. Kazakhsk. un-t, no.2, 1960,  
145-153).  
TEXT: Specimens of crystallophosphores based on NaCl, KCl  
and KBr were prepared by the method of thermo-diffusion of the  
activator (In) from the gas phase. The In-concentration was  
varied by the time of heating of evacuated ampoules with the  
components of the phosphores. For spectral determination of In  
the sample is mixed in the ratio 1:1 with a buffer mixture  
(0.1%  $\text{Li}_2\text{CO}_3$  + one part NaCl + 2 parts carbon powder). Spectra  
are excited by evaporation of the specimen from a channel in a  
carbon electrode in an alternating current arc with a current  
strength of 6 A and photographed on a type MСП-22 (ISP-22)  
Card 1/2





PAVLOV, V.Ye.

Empirical formula for the atmospheric scattering indicatrix  
allowing for the circumsolar aureole. Astron.zhur. 42 no.2:433-  
436 Mr-Apr '65. (MIRA 18:4)

1. Astrofizicheskiy institut AN KazSSR.

RODINOV, B.A., inzh. (Leningrad); PAVLOV, V.Ye., inzh. (Leningrad)

Technical and operational requirements of ARS retarder.  
Zhol.dar.transp. 47 no.12:59-62 D '65.

(MIRA 18:12)

L 44684-66

ACC NR: AP6005381

(A)

SOURCE CODE: UR/0413/66/000/001/0124/0124

AUTHORS: Filippov, P. V.; Pavlov, V. Ye.

ORG: none

TITLE: A hydraulic drive<sup>11</sup> of reciprocating motion. Class 47, No. 177731

SOURCE: Izobreteniya, promyshlennyye obratzsy, tovarnyye znaki, no. 1, 1966, 124

TOPIC TAGS: hydraulic device, hydraulic equipment, hydraulic liquid, clutch

ABSTRACT: This Author Certificate presents a hydraulic drive of reciprocating motion, containing a working cylinder, a jet tube for consecutive feeding of working liquid into the chambers of the hydraulic cylinder, and a mechanical feedback for directing the jet tube according to the position of the piston of hydraulic cylinder (see Fig. 1). To simplify its construction and to increase its productivity, the feedback mechanism is made in the form of a two-shoulder lever rigidly fixed to the shaft attached to the shank of the jet tube through a friction clutch. One end of the lever is connected to a spring-loaded rod, while the other end is connected to a key-like protrusion formed on the rod, and insuring a passing of the jet tube from one position into another.

UDC: 621.226

Cord 1/2

ACC NR: AF6028802

SOURCE CODE: UR/0033/66/043/004/0889/0890

AUTHOR: Pavlov, V. Ye.

ORG: In-t Astrophysics, Academy of Sciences KazSSR (In-t astrofiziki Akademii nauk KazSSR)

TITLE: A regularity in atmospheric light scattering

SOURCE: Astronomicheskii zhurnal, v. 43, no. 4, 1966, 889-890.

TOPIC TAGS: atmospheric scatter, optic brightness, optic thickness

ABSTRACT: The article considers the applicability of day sky brightness tables computed on the assumption of isotropic light scattering in the atmosphere, to the integration of observation data at an angular distance  $\theta = 57^\circ$  from the sun. Tables for the brightness of the sky were used to compute the absolute brightness indicatrixes and graphic integration was used to determine the quantity:

$$\tau = 2\pi \int_0^\pi \mu(\theta) \sin \theta d\theta.$$

The computed results are compared with the results of direct measurements to show that the tables of day sky brightness can be successfully used to interpret observed data at an angular distance  $\theta = 57^\circ$  from the sun in the interval of optical thickness  $\tau_1 \leq 0.8$

Card 1/2

UDC: 523.035.27

PAVLOV, Y. A.; MAURAKH, M. A.; YELYUTIN, V. P. (Prof., Dr. Tech. Sci.)

"The Interaction of Smelted Titanium with Graphite," in book The Application of Radioisotopes in Metallurgy, Symposium XXXIV; Moscow; State Publishing House for Literature on Ferrous and Nonferrous Metallurgy, 1955.

Prof. V. P. YELYUTIN, Dr. Tech. Sci.; M. A. MAURAKH, Assistant; Y. A. PAVLOV, Assistant, Chair of Rare Metal Metallurgy, Moscow Inst. of Steel in I. V. Stalin.

PAVLOV, Y. A.; MERKULOV, R. F. (Eng.); YELYUTIN, B. P. (Prof., Ph. D.):

"Temperature Determinations at the Start of the Reaction in a Reduction of Oxides by Carbon," in book The Application of Radioisotopes in Metallurgy, Symposium XXXIV; Moscow; State Publishing House for Literature on Ferrous and Nonferrous Metallurgy, 1955.

Prof. B. P. YELYUTIN, Ph. D., Prof., Chair of Rare Metal Metallurgy, Moscow Inst. of Steel in I. V. Stalin; Y. A. PAVLOV, ASSISTANT: R. F. MERKULOV, Engr/Chair of Rare Metal Metallurgy.

PAVLOV, Ya. A.

Journal of the Iron and  
Steel Institute  
July 1954  
New Publications.

(3)  
✓ ELSTON, W. P., J. A. PAVLOV and E. S. LEWIS. "Ferro-  
legierungen (Die Elektrometallurgie). 8vo, pp. 440.  
Illustrated. Berlin, 1953; V.E.B. Verlag Technik.  
(Price DM. 25.-)



PAVLOV, YA. D.; LAUFMAN, I. I. (Engrs.)

Turbines

Dimension of intake tubes of hydro turbines. Gidrotroi. 20, no. 5, 1951.

Monthly List of Russian Accessions, Library of Congress, November 1952. NOI 5-1712.

PAVLOV, Ya.P., Geroy Sovetskogo Soyuzo.

Unforgettable days. Voen.znan. 33 no.1:9 Ja '57.  
(Military education)

(MIRA 10:10)

PAVLOV, Yakov Fedotovich; IVANOV, S.M., redaktor; MUNTIAN, T.P.,  
tekhnicheskii redaktor

[What I learned in the defence organization] Chemu ia nau-  
chilsia v oboronnom obshchestve. Literaturnaiia zapis'  
L. Savel'eva. Moskva, Izd-vo Dosaaf, 1955. 39 p.(MLRA 8:10)  
(Military education)

MEN'SHIKOV, Nikolay Sergeevich; PAVLOV, Ya.M., red.

[Geometrical drawing; textnook for the fulfillment of the fulfillment of the 1st task in mechanical drawing]Geometri-  
cheskoe cherenie; uchebnoe posobie dlia vypolnenia 1-go  
zadania po mashinostroitel'nomu chereniu. Izd.2.,  
perer. i dop. Leningrad, Leningr. politekhn.in-t im. M.I.  
Kalinina, 1962. 104 p. (MIRA 15:9)

(Geometrical drawing)

PAVLOV, Ya. M.

Detali mashin (Machine Parts) Moskva, Mashgiz, 1954.  
480 p. Diagr., Tables

SO: N/5  
741  
.P3

MAKHOV, Leonid Mikhaylovich; MEL'NIKOVA, Larisa Mikhaylovna;  
PAVLOV, Ya.M., otv. red.

[Sections and cuts by inclined projecting planes;  
methodological manual for a course in mechanical drawing] Sechenia i razrezy naklonnymi proektiruiushchimi  
ploskostiami; metodicheskoe posobie po kursu mashino-  
stroitel'nogo cherchenia. Leningrad, Leningr. politekhn.  
in-t im. M.I.Kalinina, 1964. 72 p. (MIRA 18:3)

BASKAKOV, V.S.; VIKHLYAYEV, V.M.; GAVRILOV, R.I.; GREBNEV, P.A.; ZHEMCHUZHI-KOVA, Ye.Ye.; IDEL'SON, I.D.; MEN'SHIKOV, N.S.; MOROZOVA, Yu.G.; POPOV, V.A.; FEDOROV, S.F.; PAVLOV, Ya.M., dotsent, kandidat tekhnicheskikh nauk, redaktor; ZHIGLINSKIY, A.A., inzhener, redaktor; RYBICH, K.N., inzhener, redaktor; SOKOLOVA, L.V., tekhnicheskiy redaktor

[A collection of drawings for parts used in machine building] Sbornik mashinostroitel'nykh chertezhei dlia detalirovok. Izd. 2-oe, dop. i perer. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1956. 1 v., 50 l. (MIRA 10:2)

(Machinery--Design)

PAVLOV, Yakov Mikhaylovich, dotsent, kand.tekhn.nauk; ITSKOVICH, G.M.,  
inzh., retsensent; POLYAKOV, V.S., dotsent, kand.tekhn.nauk,  
red.; SIMONOVSKIY, E.Z., red.isd.; POL'SKAYA, R.G., tekhn.red.

[Machine parts] Detali mashin. Moskva, Gos.nauchno-tekhn.  
isd-vo mashinostroit.lit-ry, 1958. 511 p. (MIRA 12:3)  
(Machinery--Design)



S/123/60/000/020/002/019  
A005/A001

Translation from: Referativnyy zhurnal, Mashinostroyeniye, 1960, No. 20, p. 28,  
# 109648

AUTHORS: Pavlov, Ya. M., Smotrin, N. T.

TITLE: A Machine for Testing Plastics<sup>16</sup> at Complicated Stress States

PERIODICAL: Nauchno-tekhn. inform. byul. Lenigr. politekhn. in-t. 1959, No. 4,  
pp. 63-65

TEXT: A device is described which can be put in the clamps of the machine MM12A (IM12A) for testing plastics at complicated stress states. A tubular plastic specimen can be subjected in the testing process to the action of internal and external pressure with simultaneous stretch. The device consists of a hollow steel housing; the knob of the upper cap of the housing is put in upper clamp of the testing machine. The upper end of the specimen rests in slitted spherical sockets which are placed in a special nut attached to the upper part of the housing. The lower end of the specimen is attached to the movable rod by a nut; the lower end of the rod is connected with the lower clamp of the test machine by means of two nuts. The spherical surfaces of the nuts assure the hinge joint of

Card 1/2

MEN'SHIKOV, N.S.; RUNICH, K.N., inzh., retsenzent; PORSIN, Yu.Ya.,  
retsenzent; PAVLOV, Ya.M., prof., red.; MITARCHUK, G.A.,  
red. izd-va; PETERSON, M.M., tekhn. red.

[Technical sketching of machine parts]S'emka eskizov s detalei  
nashin. Moskva, Mashgiz, 1962. 123 p. (MIRA 16:1)  
(Machinery--Drawing)

PAVLOV, YA. M.

IGNAT'YEV, A.K., inzhener; BART, F.F., kandidat tekhnicheskikh nauk, dotsent.

"Machine parts." YA.M.Pavlov. Reviewed by A.K.Ignat'ev, F.F.Bart. Vest.mash. 35 no.6:86-87 Je '55. (MIRA 8:8)  
(Machinery--Design) (Pavlov, I.A.M.)

PAVLOV, Ya.M., kandidat tekhnicheskikh nauk, dotsent; ITSKOVICH, G.M.,  
inzhener, retsentsent; P. LYAKOV, V.S., kandidat tekhnicheskikh  
nauk; FETISOV, F.I., inzhener, zaveduyushchiy redaksiyey; POL'-  
SKAYA, R.G., tekhnicheskii redaktor

[Machine parts] Detali mashin. Leningrad, Gos. nauchno-tekhn. izd-  
vo mashinostroit. i sudostroit. lit-ry, 1954. 480 p. [Microfilm]  
(MLRA 7:9)

1. Leningradskoye otdeleniye Mashgiza (for Fetisov)  
(Machinery--Design)

PAVLOV, Ya. M.

PAVLOV, Ya.M., kandidat tekhnicheskikh nauk, dotsent; ITSIOVICH, G.M.,  
inzhener, retsentsent; POLYAKOV, V.S., kandidat tekhnicheskikh  
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PHASE I ' BOOK EXPLOITATION SOV/3163

Pavlov, Yakov Mikhaylovich, Candidate of Technical Sciences,  
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Detali mashin (Machine Elements) Moscow, Mashgiz, 1958. 511 p.  
85,000 copies printed.

Reviewer: G.M. Itskovich, Engineer; Ed.: V.S. Polyakov, Candidate of Technical Sciences, Docent; Ed. of Publishing House: N.Z. Simonovskiy; Tech. Ed.: R.G. Pol'skaya; Managing Ed. for Literature on the Design and Operation of Machinery (Leningrad Division, Mashgiz): F.I. Fetisov, Engineer.

PURPOSE: This textbook is intended for students of machinery tekhnikums.

COVERAGE: The book deals with methods of designing and constructing such general-purpose machine parts and transmissions as gears, drives, and joining elements. Information is given on fits and tolerances, hoisting mechanisms, and design work. No personalities are mentioned. References follow each chapter.

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