

ZIV, M.A.; PAVLOV, K.A.

Use of some chemotherapeutic preparations in treating malignant tumors and systemic diseases. Trudy Inst. onk. AMN SSSR no. 3:158-168 '60 (MIRA 16:12)

1. Iz poliklinicheskogo otdela (zav - starshiy nauchnyy sotrudnik K.A.Pavlov) Instituta onkologii AMN SSSR.

PAVLOV, K.A.

Possibilities of angiography in the diagnosis of benign tumors  
and cysts of the mediastinum. Vop.onk. 6 no.2:44-49 P '60.

(MIRA 14:2)

(ANGIOGRAPHY)

(MEDIASTINUM—TUMORS)

(CYSTS)

IVANOV, V.I.; PAVLOV, K.A.

Effect of diethanolamine-3,5-diodo-4-pyridone-N-acetic acid  
(diodone) on the growth of experimental cancer in rabbits.  
Nauch. inform. Otd. nauch. med. inform. AMN SSSR no.1:71-73  
'61. (MIRA 16:11)

1. Institut onkologii (direktor - deystvitel'nyy chlen AMN  
SSSR prof. A.I.Serebrov) AMN SSSR, Leningrad.

\*

ZIV, M. A.; PAVLOV, K. A.

Experience with the use of some chemo-therapeutic preparations in the treatment of malignant neoplasms and systemic diseases. Vop. klin. lech. zlok. novooobraz. 7:105-117. '61. SSSR.

1. Institut onkologii AMN SSSR (dir. - deystv. chl. AMN, SSSR prof. A. I. Serebrov).

(ANTINEOPLASTIC AGENTS ther)

PAVLOV, Konstantin Aleksandrovich; KAKHOVSKAYA, O.G., red.izd-va;  
TSAGURIYA, G.M., tekhn. red.

[International fairs and exhibitions] Mezhdunarodnye  
iarmarki i vystavki. Moskva, Vneshtorgizdat, 1962. 137 p.  
(MIRA 16:4)

(Fairs)      (Exhibitions)

PAVLOV, K. A.

Importance of mediastinal phlebography in determining the degree of process spreading in intrathoracic tumors. Vop. onk. 8 no.7: 44-50 '62. (MIRA 15:7)

1. Iz rentgenologicheskogo otdeleniya (zav. - prof. L. M. Gol'dshteyn[deceased]) i 2-go khirurgicheskogo otdeleniya (zav. - chl.-korr. AMN SSSR, prof. A. I. Rakov) Instituta onkologii AMN SSSR (dir. - deystv. chl. AMN SSSR, prof. A. I. Serebrov)

(CHEST--TUMORS) (ANGIOGRAPHY)

KORBUG, Ye.V., inzh.; MERKHALEV, S.D., kand.tokhn.nauk; STANKEVICH, G.S.,  
inzh.; Primal uchastiye PAVLOV, K.A.

Study of the discharge characteristics of soiled insulators.  
Elektrichestvo no.3:76-81 Mr '62. (MIRA 15:2)

1. Nauchno-issledovatel'skiy institut postoyannogo toka.  
(Electric insulators and insulation)

PAVLOV, K.A.

Concerning the determination of mechanically added constituents  
in the crankcase oil of engines with oil filtering devices.  
Trakt. i sel'khoz mash. 32 no.2:12-14 F '62. (MIRA 15:2)

1. Ukrainskiy nauchno-issledovatel'skiy institut mekhanizatsii  
i elektrifikatsii sel'skogo khozyaystva.  
(Automobiles---Lubrication)



ZIV, M.A.; PAVLOV, K.A. (Leningrad, pr.Engel'sa, d.28,kv.75)

Chronic pneumonias and bronchial cancer. Vest.khir. 89 no.9:  
20-24 S '62. (MIRA 15:12)

1. Iz nauchno-poliklinicheskogo otdela (zav. - starshiy nauchnyy  
sotrudnik K.A.Pavlov) Instituta onkologii AMN SSSR (dir. - prof.  
A.I.Serebrov). (PNEUMONIA) (BRONCHI--CANCER)

FEDORENKO, Mikhail Danilovich; PAVLOV, K.A., red.; KAKHOVSKAYA, O.G.,  
red. izd-va; PAVLOVSKIY, A.A., tekhn. red.

[Aid for the expert appraisal of merchandise] Posobie po  
tovarovedcheskim ekspertizam. Moskva, Vneshtorgizdat, 1963.  
158 p. (MIRA 16:6)

(Commercial products—Quality control)

PAVLOV, K. A., IVANOV, V. I., KONIGAT'YEVA, A. P.

Röntgeno-morphological observations on the blood supply characteristics of bone and soft tissue tumors. Vopr. onk. (no. 4) 9-58 '63. (MIRA 1969)

1. Iz nauchno-poliklinicheskogo otdeleniya (zav. - kand. med. nauk K. A. Pavlov, i rentgenologicheskogo otdeleniya (zav. - prof. I. M. Goldsh'teyn (deceased), Instituta onkologii AMN SSSR (zav. - deystvitel'nyy chlen AMN SSSR prof. A. I. Berebrov).

IVANOV, V.I.; PAVLOV, K.A.

Effect of intra-arterial administration of diiodone on trans-  
plantable rabbit sarcoma. Vop. onk. 9 no.6:67-70 '63)

(MIRA 17:8)

1. Iz nauchno-poliklinicheskogo otdela (zav. - starshiy nauchnyy  
sotrudnik K.A. Pavlov) Instituta onkologii AMN SSSR (dir. -  
deystvitel'nyy chlen AMN SSSR prof. A.I. Serebrov). Adres  
avtorov: Leningrad, F-129, 2-ya Berezovaya alleya 3, Institut  
onkologii AMN SSSR.

FAVLOV, K.A., Inst.

Working-out of the crankcase oil in internal combustion engines.  
Mashinostroenie no.4302-103 JI-Ag '65.

(MIRA 13:8)

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SOV/40-24-1-25 25

AUTHOR: Pavlov, K. B. (Moscow)

TITLE: On the Prandtl-Mayer Type of Motion

PERIODICAL: Prikladnaya matematika i mekhanika, 1960, Vol 24, Nr 1, pp 165-166 (USSR)

ABSTRACT: In a Prandtl-Mayer type of motion about a body, all flow quantities are functions of the cylindrical coordinate angle only the z-axis is directed along the edge of the surface acute angle). This is not true, for example, when a bow shock occurs in front of the body. The author sets up linearized equations characterizing the density and components of velocity  $v_r$  and  $v_\theta$  for the more general case, when the initial values of the quantities are almost constant, by means of a perturbation about the above automodel solution. By writing the system of equations in matrix form, and by using the characteristic values of one of the co-

( Card 1/2

S/040/60/024/04/14/023  
C 111/ C 333

AUTHORS: Pavlov, K. B., Tarasov, Yu. A. (Moscow)

TITLE: On the Stability of the Flow of a Viscous Conducting liquid Between Parallel Planes in a Vertical Magnetic Field

PERIODICAL: Prikladnaya matematika i mekhanika, 1960, Vol. 24, No. 4, pp. 723-725

TEXT: The parabolic distribution of the velocities in a flow between two parallel walls changes under the occurrence of a magnetic field normal to the velocity of flow such that for large Hartmann numbers the variation of the velocity profile takes place only in a thin wall layer. The authors investigate the stability of such a flow relative to infinitesimal disturbances under the assumption that the magnetic Reynold number is  $R_m \sim 1$ , so that the range of high velocities and of temperatures from  $5000^\circ$  to  $10\ 000^\circ$  is included. From the linearized equations of magnetic hydrodynamics the authors obtain a system of two equations for the perturbations of the velocity of flow and of the field. By applying the asymptotic methods from (Ref.6) then the authors succeed in extending the results of Lock (Ref. 5) for the case  $R_m \ll 1$  to the

Card 1/2

S/040/60/024/04/14/023  
C 111/ C 333

On the Stability of the Flow of a Viscous Conducting Liquid Between  
Parallel Planes in a Vertical Magnetic Field

case  $R_m^4 \leq R_G$ , where  $R_G$  is the ordinary Reynold number.

✓B

The authors thank K. P. Stanyukovich for discussion.

There are 1 figure, and 6 references: 3 Soviet, 2 English and 1  
American.

SUBMITTED: March 16, 1960

Card 2/2



83177

S/056/60/039/002/014/044  
B006/B056

26.2310  
24.2120  
AUTHOR:

Pavlov, K. B.

TITLE:

Some Properties of Steady Flows in Magnetogasdynamics

PERIODICAL:

Zhurnal eksperimental'noy i teoreticheskoy fiziki. 1960.  
Vol. 39, No. 2(8), pp. 304-307

TEXT: The author theoretically investigates a steady linear or quasi-linear flow of an arbitrarily conductive medium (which is treated as a perfect gas) in a perpendicular magnetic field  $(uH, u(u,0,0))$ . From the initial equations of magnetogasdynamics first the relations holding for a steady quasi-linear flow of a medium with  $\nu_m = 0$  ( $\nu_m$  - "magnetic" viscosity) are given, and in the following the case of a steady linear flow of a medium with  $\nu_m \neq 0$  is investigated. The initial equations (1) - (4) are again transformed for the special case. Thermodynamic quantities (such as enthalpy  $w$ , and Joule heat

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Card 1/3

83177

Some Properties of Steady Flows in Magnetogas- S/056/60/039/002/014/044  
dynamics B006/B056

$dQ = TdS$ ) are introduced, and some relations are derived such as:  
 $(u^2 - a_m^2)dq/q = \nu_m(k-1)m^{-1}(dh/dx)^2 dx = (k-1)dQ$ , and (16):  $udu + dw + bdn = 0$ ;

$u^2/2 + w + bn = u^2/2 + w_m = A = \text{const.}$  ( $a_m$  is the effective velocity of sound,  $w_m$  - the effective enthalpy at  $\nu_m = 0$ ,  $k$  - the ratio of specific heats;  $q$  - density,  $m = qu$ ,  $b = -ce_0/m$ ,  $e_0 = e$ ). Equation (12) is found to

be analogous to the well-known equation of classical gas dynamics for the motion of a viscous gas in a heat-insulated tube of constant cross section. As also in this case heat conduction is neglected, the analogy is complete. From the fact that the right side of (12) can be only positive it follows that  $dq < 0$ ,  $du > 0$  at  $u < a_m$  and  $dq > 0$ ,  $du < 0$  at  $u > a_m$  (17).

A continuous passage through the critical velocity value  $u = a_m$  is not possible. The case  $u = a_m$  is then more closely investigated, and it is shown by means of (12) and (17) that, under certain conditions, the formation of a shock wave is possible in a medium of finite conductivity. The

Card 2/3

Some Properties of Steady Flows in Magnetogas- dynamics 83177  
S/056/60/039/002/014/044  
B006/B056

author finally thanks Professor K. P. Stanyukovich and G. S. Golitsyn for discussions. There are 2 Soviet references. X

ASSOCIATION: Vyssheye tekhnicheskoye uchilishche im. Baumana  
(Higher Technical School imeni Bauman)

SUBMITTED: December 4, 1959

Card 3/3

PAVLOV, K. B.

Cand Phys-Math Sci - (diss) "Problems of the theory of stationary motions in magnetic hydrodynamics." Moscow, 1961. 7 pp; (Moscow State Univ imeni M. V. Lomonosov, Physics Faculty); price not given; number of copies not given; bibliography at end of text (12 entries); (KL, 6-61 sup, 194)

L 15651-66 EWT(1)/EWP(m)/EWA(d)/T-2/ETC(m)-6/EWA(1) IJP(e) WW  
ACC NR: AP6003206 SOURCE CODE: UR/0382/65/000/004/0061/0066

AUTHOR: Martinson, L. K.; Pavlov, K. B.

ORG: none

TITLE: Plane laminar flow of a non-Newtonian liquid in a transverse magnetic field

SOURCE: Magnitnaya gidrodinamika, no. 4, 1965, 61-66

TOPIC TAGS: MHD flow, laminar flow, nonnewtonian flow

ABSTRACT: Two-dimensional laminar magnetohydrodynamic flows of a class of non-Newtonian liquids (so-called viscose-plastic flows) are studied. This flow is considered to be in a shallow flat channel with nonconducting walls. A uniform magnetic field is applied normal to the flow. The flow is caused by an applied pressure and the resulting pressure gradient in the flow direction. The equations describing the flow are solved to obtain the velocity profile. The motion of a central core of the fluid, behaving as a solid body is also derived on the pressure gradient and on the value of the magnetic field, as well as on the operating regime of the flow. The conditions which must be satisfied in order for the flow to become New-

UDC: 538.4

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ACC NR: AP6003206

tonian are determined and their significance is discussed. The difference between the two kinds of flows is due mainly to the presence of the solid nucleus. Orig. art. has: 20 formulas.

SUB CODE: 20/

SUBM DATE: 17Jun65/

ORIG REF: 005/

OTH REF: 000

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Card 2/2

ACC NR: AP6034582

SOURCE CODE: UR/0382/66/000/003/0069/0075

AUTHOR: Martinson, L. K.; Pavlov, K. B.

ORG: none

TITLE: Effect of magnetic plasticity in non-Newtonian liquids

SOURCE: Magnitnaya gidrodinamika, no. 3, 1966, 69-75

TOPIC TAGS: non Newtonian flow, conductive fluid, Couette flow, flow velocity

ABSTRACT: Characteristics of non-Newtonian conducting fluids are investigated under conditions of applied electric and magnetic fields in the generalized regime described by the rheological power law. Hartmann and Couette flows are considered in detail since they yield analysis. It is shown that the characteristic dimensionless parameter in such problems is the generalized Hartmann number  $M$ . This number contains typical flow velocity and is influenced by the exponent value in the power law. For fluids with the exponent less or greater than unity, the flow velocity determines  $M$  (in the opposite sense for the two cases). Only for unity exponent can the number  $M$  be used as velocity independent. The effect of the transverse magnetic field on the fluid flow is analyzed and it is shown that a critical number,  $M_{cr}$ , exists. For  $M > M_{cr}$  quasi-solid regions occur (i. e., liquid velocity is unchanged over the channel cross

UDC: 538.4

Card 1/2

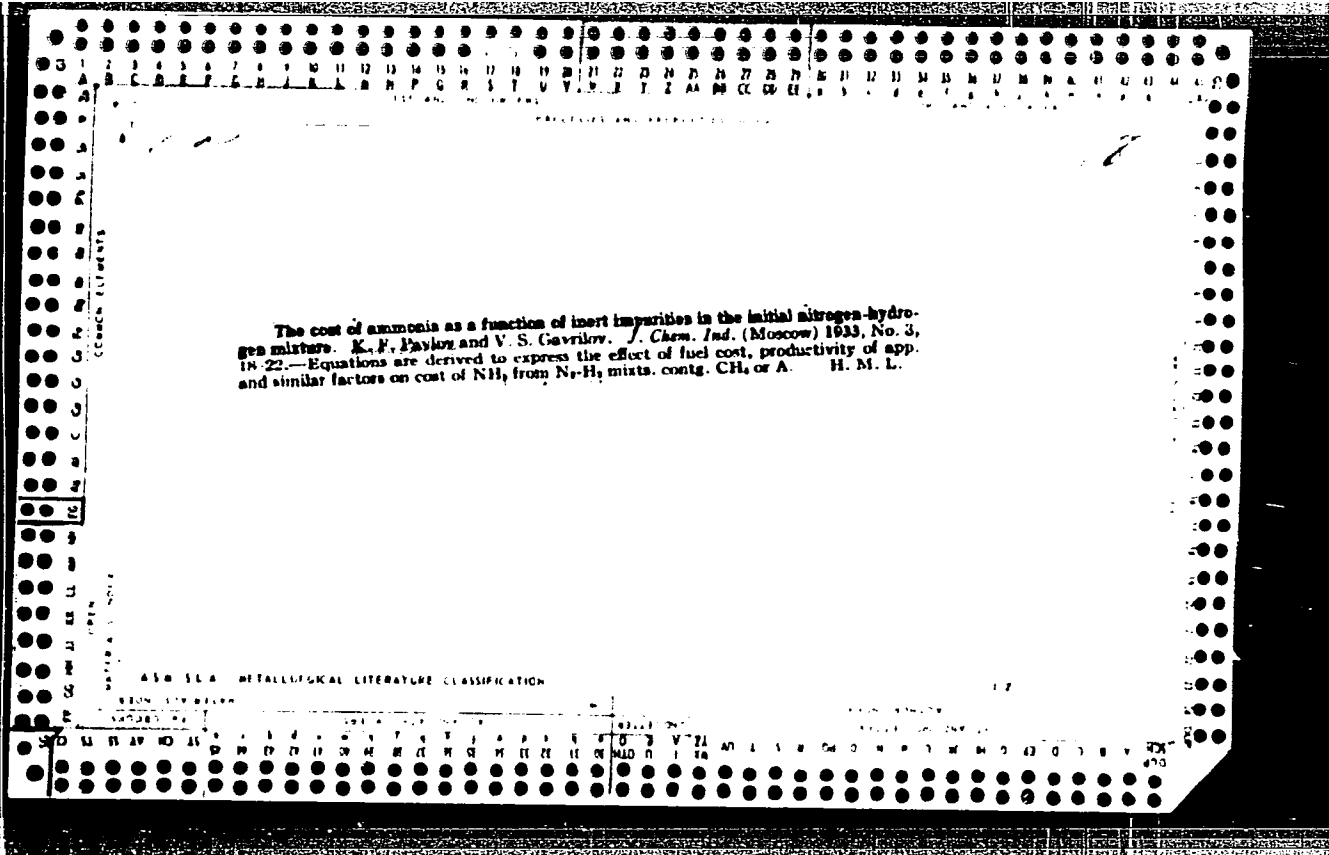
ACC NR: AP6034582

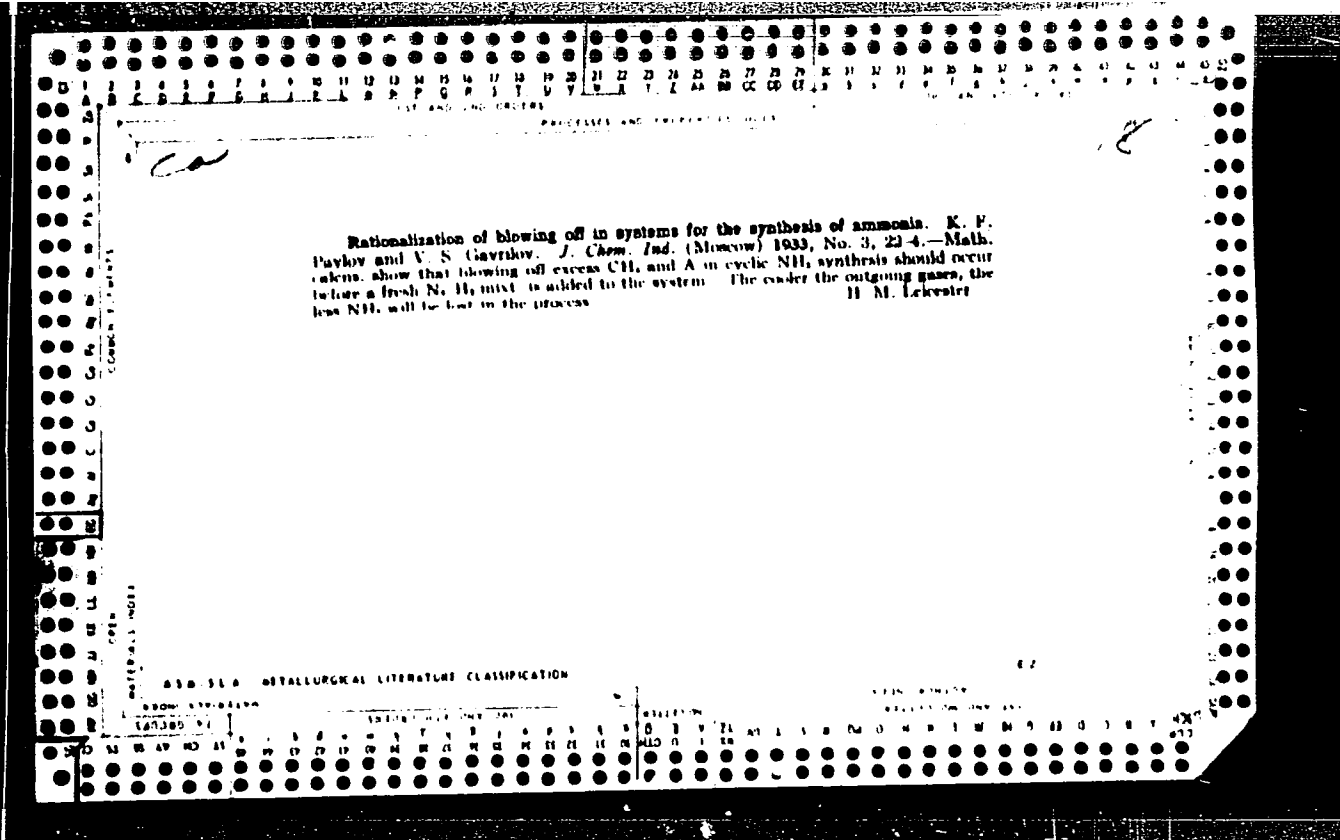
section). This is due to the interaction of the non-Newtonian properties of the liquid with the magnetic fields, for which the authors propose the name "magnetic plasticity". Orig. art. has: 28 formulas, 2 figures.

SUB CODE: 20/      SUBM DATE: 28Mar66/      ORIG REF: 009/      OTH REF: 001

Card 2/2







1ST AND 2ND GROUPS      PROCESSES AND PROPERTIES INDEX      3RD AND 4TH GROUPS

CA      12

GENERAL ELEMENTS      COMMON VARIANTS INDEX

107-22; *Khim. Referat. Zhur.* 2, No. 3, 88(1939).—By means of several examples, problems are illustrated which are encountered in the introduction of automatic control and regulation of H<sub>2</sub>SO<sub>4</sub> production. An automatic regulator for the diln. of fuming H<sub>2</sub>SO<sub>4</sub> to 98.5% is operated by measurement of the concn. of the acid by elec. resistance. W. R. Henn

ASB-51-A METALLURGICAL LITERATURE CLASSIFICATION

GROUPS	SUBGROUPS	SUBGROUPS	SUBGROUPS	SUBGROUPS
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

PAVLOV, KONSTANTIN FEOFANOVICH

"General Directions in the Research Work  
on the Complete Gasification of Low Grade  
Fuels with Oxygen, "Kislород, No. 2, 1944.  
Prof., Dr. Tech. Sci.

1ST AND 2ND CODES		3RD AND 4TH CODES	
PROCESSES AND PROPERTIES INDEX			
Common Elements		Common Variable Index	
21			
Basic trends of research on application of oxygen in the gasification of low-grade fuels. K. F. Pavlov. <i>Kishinev</i> 1964, No. 2, 1-12. --A general review of coal-gasification methods practiced in U.S.S.R. and abroad, and of the problems faced by this industry. M. Hoach.			
ADD-514 METALLURGICAL LITERATURE CLASSIFICATION			
SOME EXTENSION		SOME EXTENSION	
SOME EXTENSION		SOME EXTENSION	

PAYLOV, K.F.; ROMANKOV, P.G., professor; NOSKOV, A.A.; KUROCHKINA,  
M.I., redaktor; ERLIKH, Ye.Ya., tekhnicheskiy redaktor.

[Examples and problems for a course on processes and apparatus  
of chemical engineering] Primery i zadachi po kursu protsessov  
i apparatov khimicheskoi tekhnologii. 3-e izd., dop. i perer.  
Pod obshchei red. P.G. Romankova, Leningrad, Gos. nauchno-tekhn.  
izd-vo khim. lit-ry, 1955. 471 p. (MLRA 8:8)  
(Chemical engineering--Problems, exercises, etc.)

PAVLOV, K.F., ROMANKOV, P.G., prof.; NOSKOV, A.A.; KUROCHKINA, M.I.,  
red.; KOTS, V.A., red.; ERLIKH, Ye.Ya., tekhn.red.

[Examples and problems in a course on the processes and  
equipment of chemical technology] Primery i zadachi po kursu  
protsessov i apparatov khimicheskoi tekhnologii. Izd. 4, dop.  
i perer. Pod obshchei red. P.G.Romankova. Leningrad, Gos.  
nauchno-tekhn.isd-vo khim.lit-ry, 1959. 573 p. (MIRA 13:2)  
(Chemistry, Technical)

PAVLOV, K.F.; ROMANKOV, P.G., prof.; NOSKOV, A.A.; KUROCHKINA, M.I., red.;  
KOTS, V.A., red.; ERLIKH, Ye.Ya., tekhn. red.

[Examples and problems for a course on the processes and equipment of chemical technology] Primery i zadachi po kursu protsesov i apparatov khimicheskoi tekhnologii. Izd.5., ispr. Pod obshchei red. P.G.Romankova. Leningrad, Gos. nauchno-tekhn. izd-vo lit-ry, 1961. 573 p. (MIRA 14:8)

(Chemistry, Technical)



PAVLOV, K.F.; ROMANKOV, P.G.; NUSKOV, A.A.; KUROCHKINA, M.I.,  
red.; KOTS, V.A., red.

[Examples and problems for the course on the processes and apparatus of chemical technology] Primery i zadachi po kursu protsessov i apparatov khimicheskoi tekhnologii. Izd.6., perer. i dop. Moskva, Khimiia, 1964. 633 p. (MIRA 17:10)

1. Chlen-korrespondent AN SSSR (for Romankov).

PAVLOV, KH.

"Significance and nature of the repairs of building machinery."

p. 34. (Transportno Delo, Vol. 10, No. 4, 1958, Sofia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 12, Dec 58

PAVLOV, K.I.

Removing callosities and warts with a single operation. Fel'd. 1  
akush. 21 no.11:44-45 N '56. (MIRA 9:12)

1. Stantsiya Dzhalinga Amurskoy oblasti.  
(CALLOSITIES) (WARTS)

PAVLOV, Kiril, D-r.

Case of diffuse cysticercosis of the brain with double localization of cysticercal bullae in the corpus striatum associated with atrophic liver cirrhosis. Izv. Mikrob. inst., Sofia no.8:599-610 1957.

1. Patologoanatomichno otdelenie (zav.: d-r K. Pavlov) pri gradskata bolnitsa (gl. lekar: d-r B. Tomov) v gr. dimitrova.

(CYSTICERCOSIS, case reports

corpus striatum, with atrophic liver cirrhosis (Bul))

(BASAL GANGLIA, dis.

cysticercosis of corpus striatum, with atrophic liver cirrhosis, case report (Bul))

(LIVER CIRRHOSIS, case reports

atrophic, with diffuse cysticercosis of corpus striatum (Bul))

NOVIKOV, M.M., inzh.; MYAKOSHIN, N.V., inzh.; PAVLOV, K.I.

Vibratory stamping of reinforced concrete structures for thermal electric power plants. Energ.stroi. no.25:35-39 '61. (MIRA 15:4)

1. Dzerzhinskiy KPP tresta "Energostroykonstruktsiya" (for Novikov, Myakoshin). 2. Moskovskiy filial instituta "Orgenergostroy" (for Pavlov).

(Reinforced concrete construction)  
(Electric power plants--Desing and construction)

PAVLOV, K.I., nauchnyy sotrudnik

Length of oil life in tractor engines. Mekh. sil'.hosp.  
12 no.7:15-17 JI '61. (MIRA 14:6)

1. Khar'kovskaya stantsiya Ukrainskogo nauchno-issledovatel'skogo instituta mekhanizatsii i elektrifikatsii sel'skogo khozyaystva.  
(Diesel fuels)

PAVLOV, K.L.

Experimental determination of the hydrodynamic characteristics  
of a net. Trudy VNIRO no.47:180-194 '62.

(MIRA 18:4)

SEME NOV, German Yakovlevich; PAVLOV, K.L., spets.red.; KAMENSKAYA,  
Ye.A., red.; PALUYEKHINA, N.I., tekhn. red.

[Fishing trawlers; technique of catching and processing of  
fish] Rybolovnye traulery; tekhnika lova i obrabotka ryby.  
Moskva, Rybnoe khoziaistvo, 1963. 133 p. (MIRA 17:3)



PAVLOV, Konstantin Mikhaylovich; ZUBIYETOV, P.P., otv. red.;  
KHLEBNIKOVA, G.M., red.; TRISHINA, L.A., tekhn. red.

[Analysis and calculation of the network of an IF amplifier]  
Analiz i raschet skhemy usilitelia promezhutochnoi chastoty;  
rekomendovano predmetnoi komissiei VZTS po spetsial'nym ra-  
diotekhnicheskim distsiplinam v kachestve uchebnogo posobia  
dlia uchashchikhsia tekhnikumov sviazi. Moskva, Sviaz'izdat,  
1963. 22 p. (MIRA 16:10)

(Amplifiers, Electron-tube)  
(Radio--Receivers and reception)

YAVLOV, Konstantin Mikhaylovich; USPENSKIY, G.M., inzh., otv. red.;  
NOVIKOV, S.N., red.

[Receiving devices of long-distance radio communication  
systems] Priemnye ustroistva magistral'nykh radiosviazei.  
Moskva, Sviaz', 1964. 146 p. (MIRA 17:9)

PAVLOV, K.O., naukoviy spivrobotnik.

Prolong the useful life of crankcase oil. Mekh. sil'. hosp. 8  
no.9:15-16 9 '57. (MIRA 10:9)

1. Kharkivs'kaya stantsiya UNDIMESG.  
(Tractors--Engines) (Mineral oils)

PAVLOV, K.O., inzh.; DENYSSENKO, A.M. [Denysenko, A.M.], inzh.

New method for servicing diesel tractors. Mekh. sil'. hosp. 9  
no.2:29-30 P '58. (MIRA 11:3)

(Tractors--Fuel systems)

PROCESSES AND PROPERTIES INDEX

100 AND 4TH EDITION

Pyrrhotite as a source of sulfur. *K. P. Pathy and I. G. Leukhin. J. Chem. Ind. (London) 1954, 481 (1954).*  
Both H<sub>2</sub> and steam remove S from pyrrhotite, but best results are obtained when a mixt. of air and H<sub>2</sub>O, in the proportions to produce a 2:1 mixt. of H<sub>2</sub>S to SO<sub>2</sub>, is passed over the mineral mixed with 40% C at 700° and a speed of 18 cc. per min. The best reactions are such that a continuous generator can be established. *H. M. L.*

METALLURGICAL LITERATURE CLASSIFICATION

SECTION 1				SECTION 2				SECTION 3				SECTION 4							
1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0

PANLOV, K. P.

Topograficheskie plany gorodov [Topographic city maps]. Moskva, Gos. izd-vo arkhiv. i gradstroit., 1951. 79 p.

NO: Monthly List of Russian Accessions, Vol. 6 No. 11 February 1954

SHEYN, D.S., kandidat tekhnicheskikh nauk, sostavitel'; PAVLOV, K.P., inzhener, redaktor.

[Municipal surveying; guide to computations] Gorodskaya poligonometriia; rukovodstvo po vychislitel'nym rabotam. Moskva, Gos. izd-vo lit-ry po stroitel'stvu i arkhitekture, 1952. 218 p. (MLRA 6:5)  
(Surveying--Tables, etc.)

KOS'KOV, B.I., inzhener; PAVLOV, K.P., inzhener; SHEIN, D.S., kandidat  
tekhnicheskikh nauk, nauchnyy redaktor; GORSHKOV, A.P., redaktor  
izdatel'stva; PERSON, M.N., tekhnicheskiy redaktor

[Manual for the realization of plans and building of towns and  
settlements] Rukovodstvo po perencu proektov planirovki i zastroiki  
gorodov i poselkov v naturu. Moskva, Gos. izd-vo lit-ry po stroit.  
i arkhitekture, 1956. 318 p. (MLEA 9:7)

(City planning) (Surveying) (Building)



PAVLOV, Kirill Pavlovich; VOSKRESENSKAYA, T., red.; POLYAKOVA, N., red.;  
BAKOVETSKIY, O., mlad. red.; SHIKIN, S., tekhn. red.

[Role of the state monopoly in exports in the building of  
socialism in the U.S.S.R.: 1918-1937] Rol' gosudarstvennoi  
monopolii vneshnei trgovli v postroenii sotsializma v SSSR,  
1918-1937. Moskva, Izd-vo sotsial'no-ekon. lit-ry, 1960.  
182 p.

(Russia--Commerce)

(MIRA 14:5)

LIVANOV, M.M., inzh.; PAVLOV, K.P., inzh., nauchnyy red.; KHLJDEYEVA,  
Ye.I., red.izd-va; BOROVNEV, N.K., tekhn.red.

[Fundamentals of geodesy for construction and assembling work]  
Osnovy geodezii dlia stroitel'no-montazhnykh robot. Moskva,  
Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1960.  
352 p. (MIRA 13:11)

1. Russia (1917- R.S.F.S.R.) Glavnoye upravleniye spetsial'nogo  
promyshlennogo stroitel'stva.  
(Surveying) (Building)

PAVLOV, K P

GLADKOV, I.A., doktor ekon.nauk; KOSSOY, A.I., kand.ekon.nauk; GORBUNOV, E.P., nauchnyy sotrudnik; YAKOVTSSEVSKIY, V.N., kand.ekon.nauk; ORLOV, B.P., kand.ekon.nauk; DIKHTYAR, G.A., kand.ekon.nauk; D'YACHENKO, V.P.; PAVLOV, K.P., kand.ekon.nauk; CHEBOTAREV, V.A., nauchnyy sotrudnik; BAKOVETSAYA, V.S., red.izd-va; GOLUB', S.P., tekhn.red.

[The Soviet national economy, 1921-1925] Sovetskoe narodnoe khoziaistvo v 1921-1925 gg. Moskva, 1960. 558 p. (MIRA 13:3)

1. Akademiya nauk SSSR. Institut ekonomiki. 2. Chlen-korrespondent AN SSSR (for D'yachenko).  
(Russia--Economic conditions)

KOS'KOV, Boris Ivanovich; PAVLOV, Kuz'ma Petrovich; GAN'SHIN, V.N.,  
prof., retsenzent; VIDUYEV, N.G., prof., retsenzent;  
KUROCHKIN, A.A., kand. tekhn. nauk, red.; SHURYGINA, A.I.,  
red.izd-va; ROMANOVA, V.V., tekhn. red.

[Manual for the realization of plans and building of towns  
and settlements] Rukovodstvo po perenosu proektov plani-  
rovki i zastroiki gorodov i poselkov v natury. 2 izd., ispr.  
i dop. Moskva, Gosgeoltekhizdat, 1963. 261 p.

(MIRA 16:11)

(City planning)

PAYLOV, K.V.

Repairing large-capacity storage batteries. Bldg. TSIIB tsvet. net.  
no.1:30-31 '58. (MIRA 11:4)

(Storage batteries)

SOV/144-58-11-5/17

AUTHORS: Somikhina, G. S., (Candidate Technical Sciences, Lecturer)  
Pavlov, K. V. (Candidate Technical Sciences, Lecturer)

TITLE: Single Phase Distributed "Sine" Windings for Fractional Horse Power Induction Motors (Odnofaznyye raspredelennyye "sinusnyye" obmotki asinkhronnykh mikrovdigateley)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Elektromekhanika, 1958, Nr 11, pp 41-56 (USSR)

ABSTRACT: This article deals with winding designs of fractional horse power induction motors, excluding the shaded pole type. The two types of motor of particular interest from the standpoint of winding distribution are single-phase motors in which the auxiliary winding for resistance or capacitance starting is disconnected after starting, and capacitor motors with one or two capacitors which are left in circuit whilst running. The main requirements of single-phase distributed windings are then stated. The initial starting torque must be adequate, there must not be serious diminution in the starting torque at particular speeds as the motor runs up to speed, the windings must be easy to manufacture and must not require additional insulation, as may occur in two layer windings, and finally it is desirable that the span should be short as this helps to keep the size of the end windings down and helps to make the

Card 1/6

SOV/144-58-11-5/17

Single Phase Distributed "Sine" Windings for Fractional Horse Power Induction Motors

machine short. Single-phase distributed windings are classified into three main types: single layer, two-layer with coils of equal turns and special "sine" windings in which the coils contain an unequal number of turns. Winding diagrams of the three types of winding for a standard series low power motor used with starting resistance type A0Lm-1/4 are given in Figs 3a, b and v. It will be seen from the diagrams that in motors in which the auxiliary winding is disconnected after starting, with the usual types of single layer and two-layer windings in order to make the best use of the active materials the auxiliary winding is allotted only a third (or sometimes a quarter) of the total number of slots and two thirds are occupied by the main winding. In capacitor motors in which the auxiliary winding remains connected to the circuit during running, it is advisable to divide the stator slots equally between the two windings. Although single layer windings are easy to make and fill the slots better than two-layer windings, they have the disadvantage of creating marked spatial harmonics in the m.m.f. curve.

Card 2/6

SOV/144-58-11-5/17

Single Phase Distributed "Sine" Windings for Fractional Horse Power Induction Motors

In two-layer windings using a shortened span of one third pole pitch there is no third harmonic in the m.m.f. curve of either the main or the auxiliary winding. In single layer windings the third harmonic disappears because the winding is distributed between two thirds of the total number of slots but its amplitude in the m.m.f. of the auxiliary winding is considerable. It will be seen from Table 1 that with the winding diagrams of Figs 3a and 3b the fifth, seventh and higher harmonics are also present in single layer windings. Recently so-called "sine" windings have come to be used in single-phase fractional horse power induction motors. These windings are so-called because the distribution of the conductors in the slots is such as to ensure that the spatial distribution of m.m.f. is approximately sinusoidal and so therefore, is the induction in the machine air gap. This article does not consider the effect of tooth harmonics on the flux distribution in the air gap. In "sine" windings the conductors of both main and auxiliary windings are distributed between all the slots on the stator circumference. An advantage of the "sine" type winding is that all the coils of each of

Card 3/6 the windings are in one layer only, and it is preferable to



SOV/144-58-11-5/17

Single Phase Distributed "Sine" Windings for Fractional Horse Power Induction Motors

keep the starting winding in the upper layer. It is, of course, difficult to make coils with different numbers of turns but there are advantages that fully compensate for this. A winding diagram of a "sine" winding for a motor type AOLB-11/4 is given in Fig 3a . The principal theoretical assumptions in designing "sine" windings for single-phase fractional h.p. induction motors are then considered. An ideal sine-wave distribution of conductors around a stator surface is of course impracticable. However, as will be seen from the diagrams in Fig 5, several approximations are possible that improve the m.m.f. wave shape and the most favourable is a trapezoidal distribution of conductors, as shown in Fig.6. The presence of slots naturally complicates the distribution, nevertheless, the conductors can be distributed in the slots in such a way that the m.m.f. curve is practically sinusoidal. With ordinary distributed windings simple formulae are available for calculating the amplitude and winding factors of higher harmonics but the matter is much more complicated in

Card 4/6

SOV/144-58-11-5/17

Single Phase Distributed "Sine" Windings for Fractional Horse Power  
Induction Motors

special "sine" windings with different numbers of turns. Curves of the spatial distribution of m.m.f. are then derived, see Figs 7a and 7b. Selection of the best distribution of conductors in the slots is then considered. Various cases of conductor distribution in the slots are considered with reference to Figs 9, 10, 11, 12 and 13. The m.m.f. curve approximates most closely to a sine-wave when the distribution is trapezoidal as shown in Figs 12 and 13. The best distribution is one in which the third harmonic is absent and the fifth and seventh are small. The necessary winding condition is expressed as a formula and Appendices 1 and 2 consider the application of the conditions to particular examples. The method of obtaining the m.m.f. distribution is then explained. The procedure of designing "sine" windings is then described. Table 2 gives pole pitch values for various numbers of poles and slots. The table is examined and winding conditions are deduced. The initial data required for the design of "sine" windings are then listed, and the order in which the various design steps should be made

Card 5/6

SOV/144-58-11-5/17

Single Phase Distributed "Sine" Windings for Fractional Horse Power Induction Motors

is described. Winding factors for "sine" windings are given in Table 3. There are 16 figures, 3 tables and 3 Soviet references.

ASSOCIATION: Kafedra elektricheskikh mashin Moskovskogo energeticheskogo instituta (Chair for Electrical Machinery, Moscow Power Institute)

SUBMITTED: October 31, 1958.

Card 6/6

S/144/62/000/002/006/007  
D289/D301

AUTHORS: Pavlov, Kir Veniaminovich, and Somikhina, Galina  
Sergeyevna, Candidates of Technical Sciences, Docent  
(see Association)

TITLE: Calculating sinusoidal windings in single phase  
asynchronous miniature machines

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Elektro-  
mekhanika, no. 2, 1962, 177 - 188

TEXT: The article gives methods of calculating winding coefficients which are defined as ratios between the amplitude of harmonic mmf to the corresponding amplitudes in an equivalent lumped coil winding, spread exactly over one pole pitch. The author gives a general equation for winding coefficients for an even and odd number of slots per pole and compares the trapezoidal mmf curves with the curves for 'lumped' coil which are rectangular. The general equation for winding coefficient of the  $v$ th harmonic is

Card 1/3

Calculating sinusoidal windings ...

S/144/62/000/002/006/007  
D289/D301

$$k_{ov} = \frac{f(x_0) + \sum_{x_n} \Delta f(x_n) \cos \nu x_n}{f(x_0) + \sum_{x_n} \Delta f(x_n)} \quad (8)$$

where

$$0 < x_n < \pi/2.$$

The author considers the most favorable winding distribution. To obtain nearly sinusoidal mmf distribution, 3rd, 5th and 7th harmonics should be eliminated. Equating the above Eq. (8) to zero for a given harmonic a function of the distribution is obtained. In practice the trapezium distribution is often used where 1/3 of the slots/pole is filled with maximum number of conductors, the rest of the slots being filled with less. The author gives formulas for  $k_{ov}$

for various number of slots/pole and the mmf distribution. Distribution of turns in a coil is considered and also space for auxiliary winding apart from main windings. The author gives calculation of winding impedances, the general formula for reactance of main or

Card 2/3

PAVLOV, K. V.

DECLASS

1964

C. '63

MINING  
SAFETY

PAVLOV, L.

Hungary - Public Works

Transformation of nature in Hungary. Geog. v shkole No. 1, 1953.

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

PAVLOV, L.

~~White lakes.~~ Vokrug sveta no.1:42-44 Ja'55.  
(Alfold, Hungary)

(MLBA 8:2)



*Pavlov, L.*

USSR/Chemical Technology - Chemical Products and Their  
Application - Leather. Fur. Gelatin. Tanning Agents.  
Technical Proteins.

I-29

Abs Jour : Referat Zhur - Khimiya, No 9, 1957, 33-05

Author : Pavlov, L.

Inst :

Title : The Leather Industry of German Democratic Republic

Orig Pub : Legkaya prom-st', 1956, No 5, 57-61

Abstract : Some specific features of the leather industry of German Democratic Republic are described. Faces and legs of cattle hides are cut off at the meat processing plants and the resulting byproducts are utilized in the production of food. Pig skins are removed only in the form of butts. Insole leather is produced only from sole leather splits and from pig skins but not from cattle hide butts. In the production of rigid leather use is made of circulation method of liming, tanning mixture contains up to

Card 1/2

USSR/Chemical Technology - Chemical Products and Their  
Application - Leather. Fur. Gelatin. Tanning Agents.  
Technical Proteins.

I-29

Abs Jour : Ref Zhur - Khimiya, No 9, 1957, 33105

50% of high grade syntans, finishing and output of sole leather only in half butts. In the production of top leather use is made of short liming of yuft; chrome tanning with increased amounts of  $Cr_2O_3$  and reduced coefficients of liquid, retaining a certain amount of swelling of the dehaired hides, in the absence of NaCl; in the tanning of yuft are utilized up to 100% syntans, a wide range of finishing materials and yuft of greater thickness is manufactured. From pig skins leather of the "Kuhn" type is made, with ironed and cut surface to simulate kidskin, and velours. In the manufacture of all kinds of leather use is made of a wide and diversified assortment of standardized products, which are produced especially for the leather industry (softeners, tanning agents, dyes, emulsifiers, fats, finishing materials).

Card 2/2

- PAVLOV, L. A.

Phenology of malaria mosquitoes in Gur'ev Province. Trudy  
Inst. zool. AN Kazakh. SSR 5:166-168 '56. (MLRA 9:12)

(Gur'ev Province--Mosquitoes)

11(4)

SOV/25-59-3-32/46

AUTHOR: Pavlov, L.

TITLE: Across Szamos and Tisza (Cherez Samosh i Tissu)

PERIODICAL: Nauka i zhizn', 1959, Nr 3, p 69 (USSR)

ABSTRACT: Recently a 365 km gas pipe line leading from the vast natural gas resources of Rumania to Hungary across the ~~W~~gyedilap lowlands and the rivers Szamos and Tisza has started operation. The pipes have a diameter of 300 mm and operate under a natural pressure of 20 atmospheres. They will supply Budapest with gas and the industrial district of Borsód with fuel for the Tiszapalkony TETs, as well as the Metallurgical Combine imeni Lenin in Miskolcz. Thus Hungary will obtain 200 million cu m of methane annually, which means an economy of 1 million tons of local lignite.

Card 1/1

PAVLOV, I. (g. Ivanovo)

Their word is confirmed by deed. Zhil-kom.khoz. 11 no.4:7 Ap '61.  
(MIRA 14:6)

(Ivanovo—Socialist competition)

PAVLOVA, M.S.; PAVLOV, L.A.

Phenology of *Anopheles maculipennis* and the time for antimalarial  
measures in Kazakhstan. Trudy Inst. zool. AN Kazakh. SSR 19:  
209-219 '63. (MIRA 16:9)

(Kazakhstan--Mosquitoes--Extermination)  
(Kazakhstan--Malaria--Prevention)

KAGAN, D.F., kand. tekhn.nauk; VANYAKIN, D.M., kand. tekhn. nauk;  
LOBACHEV, P.V., kand. tekhn. nauk; YEKHLAKOV, S.V., inzh.;  
PAVLOV, L.D., inzh.; RUZIN, M.Ya., inzh.; ANDREYEVA, I.N.,  
inzh.; SHMAKOVA, G.D., inzh. Prinimali uchastiye:  
SAPOZHNIKOV, M.M., kand. tekhn. nauk; GEFDING, A.K., kand.  
tekhn. nauk; MALINOVSKIY, R.B., inzh.; STRASHNYKH, V.P.,  
red. izd-va; KASIMOV, D.Ya., tekhn. red.

[Instructions for designing, installing, operating, and  
repairing interior water supply systems using vinyl plastic  
pipes] Ukazaniia po proektirovaniu, montazhu, ekspluatatsii  
i remontu vnutrennikh vodoprovodov iz viniplastovykh trub.  
Moskva, Gos. izd-vo lit-ry po stroit., arkhit. i stroit. ma-  
terialam, 1961. 91 p. (MIRA 15:2)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut sa-  
nitarnoy tekhniki. 2. Nauchno-issledovatel'skiy institut sa-  
nitarnoy tekhniki Akademii stroitel'stva i arkhitektury SSSR  
(for Kagan, Vanyakin, Lobachev, Yekhlakov, Pavlov, Ruzin,  
Andreyeva, Shmakova). 3. Leningradskiy nauchno-issledovatel'skiy  
institut Akademii kommunal'nogo khozyaystva im. K.D.Pamfilova  
(for Sapozhnikov). 4. Vsesoyuznyy nauchno-issledovatel'skiy in-  
stitut gidrotekhnicheskikh i sanitarno-tekhnicheskikh rabot  
(for Gefding). 5. Institut po proyektirovaniyu zhilishchno-  
grazhdanskogo stroitel'stva v g. Moskve (for Malinovskiy).  
(Water pipes)

PAVLOV, L.F.

How we increase operation productivity of postal services; from practices of the Vilnius Post Office. Vest.sviazi 15 no.9:16-17 S '55. (MLRA 8:12)

1. Nachl'nik Vil'nyusskoy pochtovoy kontory  
(Vilnius--Postal service)



PAVLOV, L.F.

Reorganizing the work of city postmen. Vest.sviazi 15 no.10:  
19-20 0 '55, (MLRA 9:2)

1.Nachal'nik Vil'nyuskoj pochtovoy kontory.  
(Postal service)

PAVLOV, L.I.

MARKOS, Gyorgy; FECSI, Marton; SZABO, Lazzlo; PAVLOV, L.I., [translator];  
LAPONOGOV, I.S.; LEVINSON, V.G., redaktor fiziko-geograficheskoy  
chasti; LATYSHEVA, I.S., redaktor; GERASIMOVA, Ye.S., tekhnicheskiy  
redaktor

[The geography of Hungary. Abridged translation from the Hungarian]  
Geografia Vengrii. Sokr. per. s vengerskogo L.I.Pavlova, Vstup.  
stat'ia I.S.Laponogova, red. fiziko-geog. chasti V.G.Levinsona.  
Moskva, Izd-vo inostr. lit-ry, 1954. 245 p. [Microfilm] (MIRA 8:3)  
(Hungary--Geography)

PAVLOV. L. I.

USSR/Geography Publications

Card : 1/1 Pub. 45 - 13/20

Authors : Pavlov, L. I.

Title : New scientific geographical journal in the Hungarian Peoples Republic

Periodical : Izv. AN SSSR. Ser. geog. 4, 86 - 88, July - August 1954

Abstract : Announcement of the publication of a new Hungarian geographical periodical (Földrajzi értesítő), published by the Hungarian Academy of Sciences, Department of Geography. Names of writers contributing their work to the periodical, are listed.

Institution : ....

Submitted : ....

PAVLOV, L. I.

Pavlov, L. I. — "Hungary. (Economic-Geographic Characteristics)." Acad Sci USSR, Inst of Geography, Moscow, 1955 (Dissertation for the Degree of Candidate of Geographical Sciences)

SO: Knizhnaya Letopis', No. 23, Moscow, June, 1955, pp. 87-104.

.PAVLOV, L.I., inzhener; FRENKEL', S.N., inzhener.

Using electric power for heating dwellings, municipal and  
industrial buildings. Nov.tekh.i pered.op.v stroi. 18 no.  
8:30-31 Ag. '56. (MLBA 9:10)

(Electric heating)

VORONKOV, Yu.F., inzhener; PAVLOV, L.I., inzhener.

"Electric ceiling" for lighting administrative buildings. Nov.  
tekh. i pered. op. v stroi. 19 no.2:26-27 F '57.

(MIRA 10:4)

(United States—Lighting, Architectural and decorative)

GORDEYEV, G.S., prof.; YAKUSHKIN, D.I.. Prinsipalni uchastiye: GORSKAYA, N.V.;  
GRANOVSKAYA, A.Ye.; YEVSTIGHEYEVA, Yu.G.; KRYLOV, M.V.; LEYKIN, D.I.;  
MAKHOVETSKIY, V.B.; MEYENDORF, A.L.; NAZARENKO, V.I.; NICHIPORUK,  
O.K.; PAVLOV, L.I.; RUMYANTSEVA, N.V.; SOSENSKIY, I.I.; CHERNEVSKIY,  
Yu.V.. TULUPNIKOV, A.I., red.; SOLOV'YEV, A.V., prof., red.;  
RAKITINA, Ye.D., red.; ZUBRILINA, Z.P., tekhn.red.

[Agriculture in capitalist countries; a statistical manual] Sel'skoe  
khoziaistvo kapitalisticheskikh stran; statisticheskiy sbornik.  
Moskva, Gos.izd-vo sel'khoz.lit-ry, 1958. 247 p. (MIRA 12:5)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut ekonomiki  
sel'skogo khozyaystva. 2. Otdel nauchnoy informatsii po ekonomike i  
organizatsii sel'skogo khozyaystva zarubezhnykh stran Vsesoyuznogo  
nauchno-issledovatel'skogo inatituta ekonomiki sel'skogo khozyaystva  
(for all except Tulupnikov, Solov'yev, Rakitina, Zubrilina). 3.  
Direktor Vsesoyuznogo nauchno-issledovatel'skogo inatituta ekonomiki  
sel'skogo khozyaystva (for Tulupnikov). 4. Zamestitel' direktora  
Vsesoyuznogo nauchno-issledovatel'skogo inatituta ekonomiki sel'skogo  
khozyaystva (for Solov'yev).

(Agriculture--Statistics)

PAVLOV, L.I., inzh.

Recommended inventions and technical improvements. Nov. tekhn. i  
pered. op. v stroi. 20 no.3:30-31 M '58. (MIRA 11:3)  
(Power tools--Safety appliances) (Boring machinery)



PAVLOV, L.I., inzh.

Recommended inventions and technical improvements. Nov.tekh. 1  
pered. op v stroi. 20 no.5:30-31 My '58. (MIRA 11:5)  
(Building machinery)

PAVLOV, L. I., inzh.

~~\_\_\_\_\_~~  
New method for joining thin-walled steel pipes. Nov. tekhn. kont. i  
spets. rab. v stroi. 21 no. 9:23-24 S '59. (MIRA 12:11)

1. Glavelektromontazh Ministroya RSFSR.  
(Pipe, Steel) (Pipe joints)

PAVLOV, L.I., inzh.

New method for joining steel gas pipes and thin-walled pipes  
with metal sleeves. Nov.tekh.mont.i spets.rab.v stroi. 21  
no.9:24-25 S '59. (MIRA 12:11)

1. Glavelektromontazh Ministroya RSFSR.  
(Pipe, Steel) (Pipe joints)

PAVLOV, L.I., inzh.

Reliable methods for joining metal sleeves with boxes and  
apparatus. Nov.tekh.mont.i spets.rab.v stroi. 21 no.9:25  
S '59. (MIRA 12:11)

1. Glavelektromontazh Minstroya RSFSR.  
(Pipe joints)

PAVLOV, L. I.

Portable screw-type bender. Nov.tekh.mont.i spets.rab.v stroi.  
21 no.9:25-26 S '59. (MIRA 12:11)

1. Glavelektromontazh Ministroya RSFSR.  
(Pipe bending)

PAVLOV, L.I.

Construction of the first Damba hydro plants in Hungary and  
Czechoslovakia. Geog. v shkole 22 no.2:81-82 Mr-Ap '59.  
(MIRA 12:6)

(Bratislava--Hydroelectric power stations)  
(Visegrad, Hungary--Hydroelectric power stations)

PAVLOV, L. I.; KONONYUK, B.; SVYAZEV, A. I.

Across the border. Geog.v shkole 22 no.4:82-85 J1-Ag '59.  
(MIRA 12:11)

(Geography, Economic)

PAVLOV, L.I., kand.tekhn.nauk

"Referativnyi zhurnal" and "Ekspress-Informatsiia" of the All-Union  
Institute of Scientific and Technical Information. Izv. vya. sovet.  
zav.: energ. 4 no.11:127-128 N '61. (MIRA 14:12)  
(Electric engineering--Abstracts)



PAVLOV, L.I., kand. tekhn. nauk, dots.; [redacted], A.I., red.

[Lectures for a course in "Overvoltage protection; Lightning and protection from direct lightning strokes"] Lektsii po kursu "Perenapriazheniia i zaschita ot perenapriazhenii: Molniia i prezozashchita ot prianykh udarov molnii." Moskva, Vses. nauchny i energeticheskii in-t, 1963. 52 p. (IRA 17:8)

TARKHALOV, Boris Ivanovich; PAVLOV, L.I., inzh., nauchn. red.

[Epoxy resins and compounds and their practical applications in electrical wiring operations] Epoksidnye smoly i kompaundy i ikh primenenie v praktike elektronontazhnykh robot. Moskva, Stroiizdat, 1961. 80 p. (MIRA 17:8)

GUSEYNOV, R.M., nauchnyy sotrudnik; PAVLOV, L.I., nauchnyy sotrudnik

Some problems in the specialization and distribution of the  
textile industry of the Transcaucasian Economic Region. Tekst.  
prom. 24 no.1:32-35 Ja '64. (MIRA 17:3)

1. Sovet po izucheniyu proizvoditel'nykh sil pri Gosplane SSSR.

GOROKHOV, P.K., kand. tekhn. nauk, OGB NTA V.I., kand. tekhn. nauk,  
PAVLOV, L.I., kand. tekhn. nauk, SENGOFYEV, N.P., TAREYEV,  
B.M., doktor tekhn. nauk, pr. G., SHMOTKIN, I.S., KURBATOVA, N.S.,  
kand. tekhn. nauk, pr. G., SHESKIS, Z.B., red.

[French-Russian electrical engineering dictionary; Frantsuzsko-  
russkii elektrotekhnicheskii slovar'. Pod red. N.S. Kurbatovoi  
i B.M. Tareeva. Moskva: Soverskaya entsiklopediya, 1965. 720 p.  
(MIRA 18:12)]

PAVLOV, L.L.

Hydraulic coupling for side water supply in drilling with the  
KS-50 core drill. Sbor.rats.predl.vnedr.v proizvod. no.1:4 '61.

(MIRA 14:7)

1. Trest "Dzerzhinskruka", rudopravleniye im. Il'icha.  
(Core drilling)

KUBYSHIN, B.Ye., kand. tekhn. nauk; BYKOV, L.N., inzh.; PAVLOV, L.L., inzh.

Universal electromagnetic attachment for measuring rectified d.c.  
during reversing operations. Energ. i elektrotekh. prom. no.1:38-  
40 Ja-Mr '65. (MIRA 18:5)

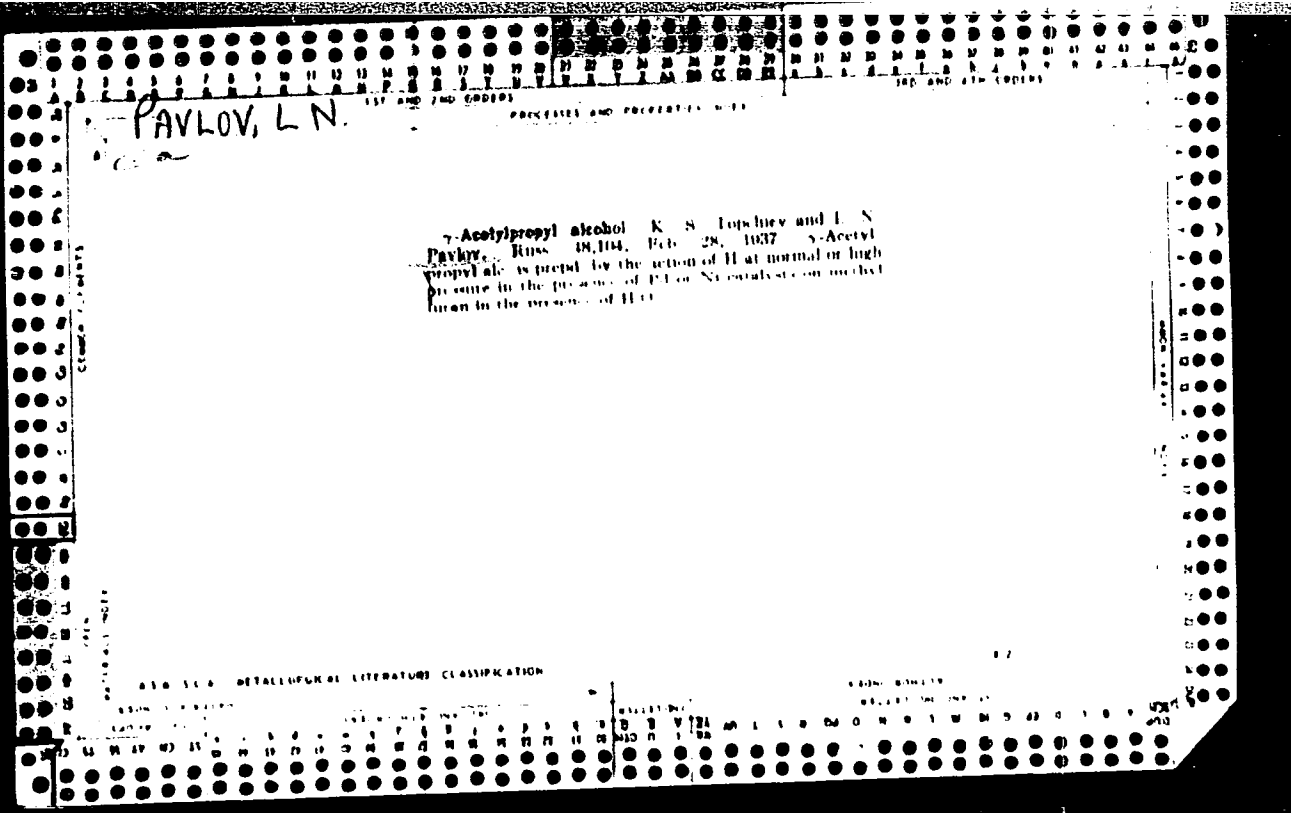
PAYLOV, L.N.

BC

1-3

**Synthesis of decamethylenebiguanidine (synthalin).** M. B. TOROSCHIKOV and L. N. PAYLOV (Chim. Farm. Prom., 1955, No. 1, 24-25). Sebacic acid (I) is dissolved in the pyridine fraction of  $C_8H_{17}N$  bases and treated with dry  $NH_3$  and  $POCl_3$ . The dinitrile of (I) is extracted from the aq. solution with  $C_6H_6$  and after removal of solvent is distilled in a vac. The nitrile with *iso*- $C_8H_{17}OH$  and Na yields decamethylenediamine, which is heated with guanidine thiocyanate at  $135^\circ$  to form decamethylenebiguanidine (II). The product is poured into 30% aq. KOH and the dried ground material is extracted with abs. EtOH and treated with HCl to form the hydrochloride of (II).  
 Ch. Abs. (p)

ASB-51A METALLURGICAL LITERATURE CLASSIFICATION





PAVLOV, M.

Distr: 454

2,5-Di(4-pyridyl)-1-amino-1,3,4-triazole and its derivatives. V. I. Yashinski, L. E. Pavlov, V. G. Ermolalva, and M. N. Shchukina. *Russ. J. Chem. Phys.* 2, 858(1957).  
 —In the condensation of isonicotinic acid with hydrazine hydrate besides the by-product 1,2-disonicotinoyl a new product was found which is probably 2,5-di(4-pyridyl)-1-amino-1,3,4-triazole (I), stable in boiling HCl. K<sub>2</sub>MnO<sub>4</sub> and concd. HNO<sub>3</sub> reacted with I to give 2,5-di(4-pyridyl)-1,3,4-triazole (II), m. 290-0°. Its di-HCl salt (m. 350-2°) and its dipicrate (m. 337-0°) were prepd. Heating I with PhCHO at 160-5° gave the benzaldazine derivs. of II (m. 197-200°) and of 2,4-di(4-pyridyl)triazole, m. 280-0°. I. Benecovitz

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(17)

PAVLOV, L.N., assistant

Formulas for the perspective relation between arbitrarily chosen segments on a tilted aerial photograph and lines on the horizontal terrain. *Izv. vys. ucheb. zav.; geod. i aerof. no.2:97-104 '60.* (MIRA 13:6)

1. Khar'kovskiy ordena Trudovogo Krasnogo Znameni sel'skokhozyaystvennyy institut im. V.V. Dokuchayeva.  
(Aerial photogrammetry)

YASHUNSKIY, V.G.; PAVLOV, L.N.; YERMOLAYEVA, V.G.; SHCHUKINA, M.N.

2,5-Di(4-pyridyl)-1-aminotriazole-(1,3,4) and its conversions.  
Khim.nauka i prom. 2 no.5:658 '57. (MIRA 10:12)

1.Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevtichkiy  
institut im. S. Ordzhonikidze.  
(Triazole)

*Pavlov, L.N.*

YASHUNSKIY, V.G.; PAVLOV, L.N.; YERMOLAYEVA, V.G.; SHCHUKINA, M.N.

By-product of the condensation of isonicotinic acid and hydrazine hydrate. Med.prom. 11 no.12:38-40 D '57. (MIRA 11:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut imeni S.Ordzhonikidze.

(ISONICOTINIC ACID) (HYDRAZINE) (TRIAZOLE)