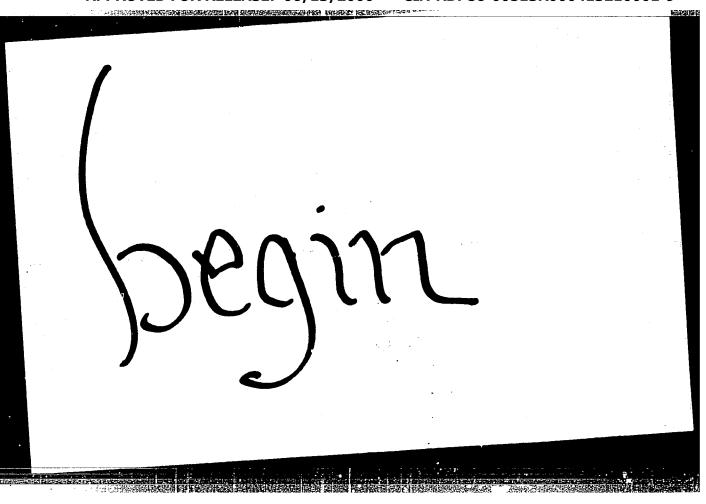
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CIA-RDP86-00513R000413210001-9

# Reel #132 Fil'Kina, K.T.



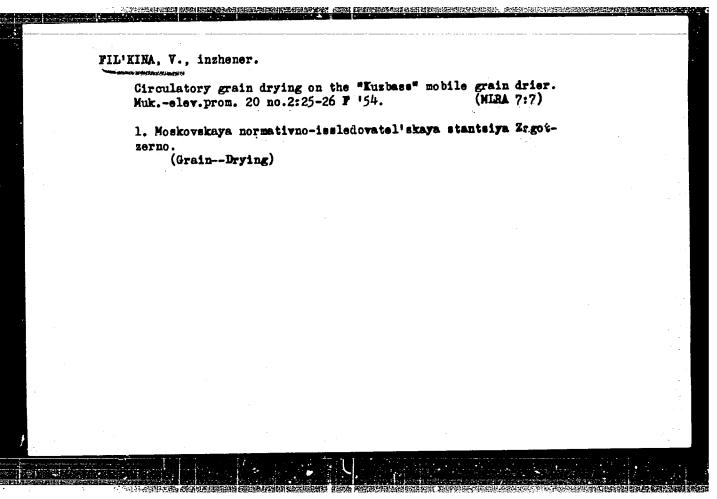
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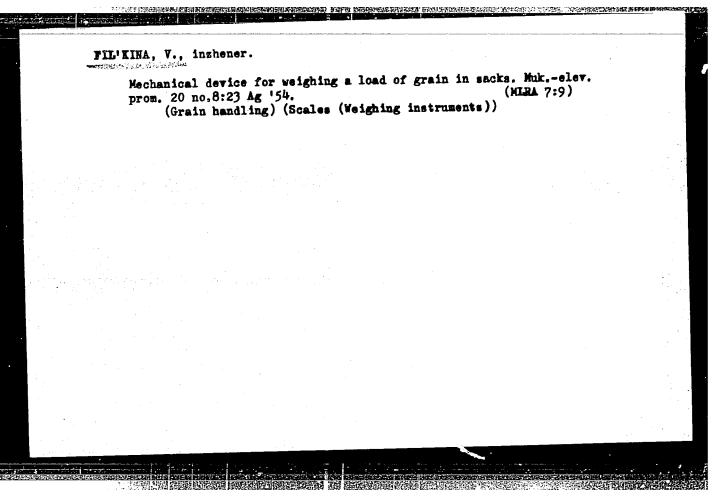
MAYDANOVICH, V.P.; TARNAVSKIY, K.F.; FIL'KINA, K.T.

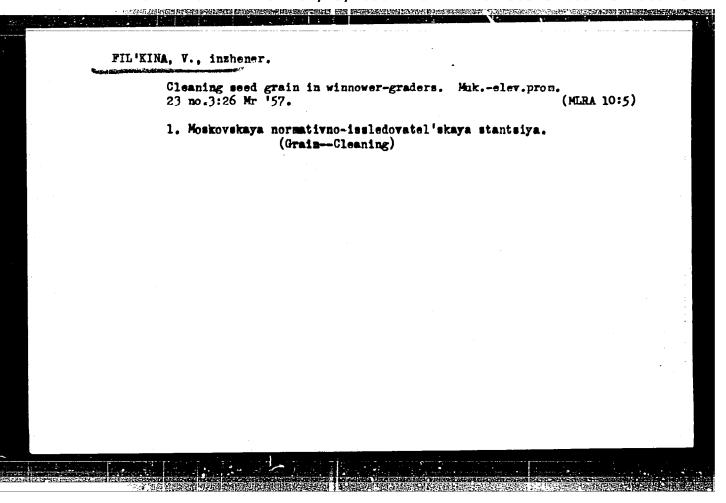
Results of work with Ploskirev's medium containing synthomycin in the examination of subjects having suffered gastrointestinal in ctions. Zhur. mikrobiol, epid. 1 immun. 32 no.7:127-128 Je '61.

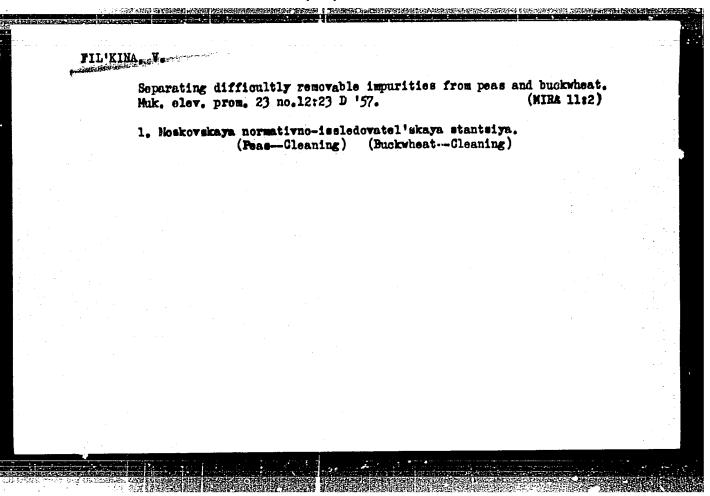
(MIRA 15:5)

1. Iz Krasnokamskoy sanitarno-epidemiologicheskoy stantsii. (DIGESTIVE ORGANS DISEASES) (CHLORMYCETIN) (BACTERIOLOGY -- CULTURES AND CULTURE MEDIA)









FILKINA, Ye.A.; GRIGOR'YEVA, V.G., red.

[Chemical preservation of feeds; a bibliographical list of Soviet literature] Khimicheskoe konservirovanie kormov; bibliograficheskii spisok otechestvennoi literatury. Moskva, 1964. 15 p. (MIRA 18:3)

1. Moscow. TSentral naya nauchnaya sel skokhozyaystvennaya biblioteka. Spravochno-bibliograficheskiy otdel.

- 1. FIL'KO, A. I. BALEZIN, S. A. BELINOV, P. S.
- 2. USSR (600)
- 4. Plants Nutrition
- 7. Effect of nitrogen in nutrition on the accumulation of rubber and on the physicochemical properties of Kok-Saghyz rubbers. Uch. zap. Mosk. ped. inst. im. Len. lil, 1947.

9. Monthly List of Russian Accessions, Library of Congress, January 1953, Unclassified.

SOV/137-58-11-23095

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 11, p 181 (USSR)

AUTHOR:

Fil'ko, A. I.

TITLE:

On the Joint Effect of a Sulfide and Amine or the Rate of Dissolution and the Electrode Potential of Sieel in Sulfuric Acid (O sovmestnom vliyanii sul'fida i amina na skorost' rastvoreniya i elektrodnyy potentsial stali v sernoy kislote)

PERIODICAL: Uch. zap. Mosk. gos. ped. in-ta, 1957, Vol 99, pp 27-41

ABSTRACT:

A study was made of the effect of S<sup>2-</sup> on the rate of dissolution of St-20 grade steel in 2N H<sub>2</sub>SO<sub>4</sub> in the presence of corrosion inhibitors (diethyl aniline and para-foluidine). It was established that the addition of small amounts of Na<sub>2</sub>S (up to 0.1 millimole/liter) has practically no effect on the rate of corrosion and the stationary E of steel, but the initial E of steel is displaced into the zone of negative values. In presence of greater amounts the corrosion rate increases up to 100 /o (when the Na<sub>2</sub>S content is increased up to 20 millimole/liter), while the initial E becomes wholly irregular. After the electrode has been kept in the acid under these conditions for a certain period of time, the E is displaced into the zone of positive values, but the

Card 1/2

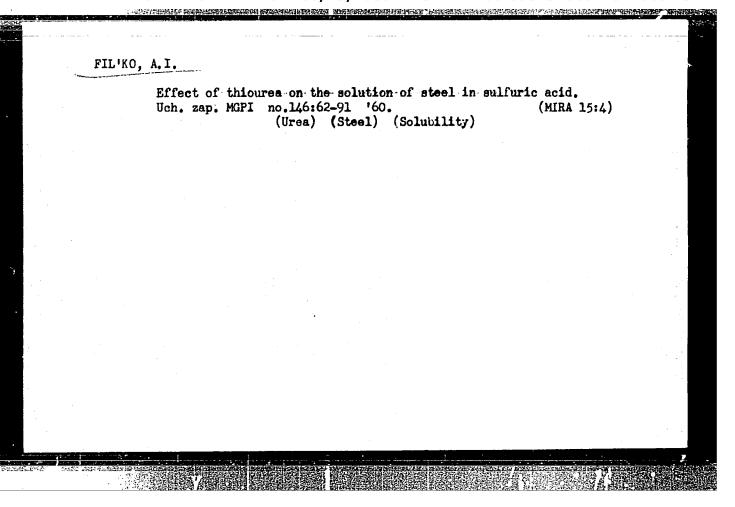
SOV/137~58-11-23095

On the Joint Effect of a Sulfide and Amine on the Rate of Dissolution (cont.)

steady-state E is still more negative than the E of steel in acid containing diethyl aniline. The addition of Na<sub>2</sub>S in amounts of up to 0.1% or >1 millimole/liter to H<sub>2</sub>SO<sub>4</sub> containing diethyl aniline decreases the rate of corrosion more than does diethyl aniline alone, and the stationary E in this case is slightly displaced toward more negative values. With an increase in the diethyl-aniline content a smaller amount of Na2S is required for the increase of the inhibition effect (in the presence of 20, 100, and 200 millimoles/liter of diethy! aniline the amount of Na, S required is 5, 0.5, and 0.1 millimoles/liter, respectively). The process of the inhibition of corrosion with a mixture of Na2S and amines is related to the predominant inhibition of the anodic reaction, which fact is confirmed by the polarization curves. Similar regularities are observed also with other amines, in particular with paratoluidine. It was also established that with an increase of the protective action of the amine, a smaller amount of Na2S is required to attain the maximum possible protection in the above mixture. The increase in the inhibition effect upon the addition of Na S is related to both the increase in the adsorption of the organic cations by the metallic surface in the presence of HS and S<sup>2</sup> ions, and the strengthening of the bond of the HS and S<sup>2</sup> ions with the surface atoms of Fe by the adsorbed amine. Bibliography: 26 references.

Card 2/2

V. P.



14(5)

SOV/132-59-8-3/18

AUTHOR:

Fil'ko, A.S.

TITLE:

On the Selective Grinding of Core Samples in the

Prospecting of Stockwork Deposits

PERIODICAL:

Razvedka i okhrana nedr, 1959, Nr 8, pp 13-17 (USSR)

ABSTRACT:

The Inkur wolfram stockwork of the Dzhida molybdenum-wolfram deposits (Buryat-Mongel'skaya ASSR) is
associated with a mass of quartz diorites and the
mineral - the hübnerite - is equally distributed
in a system of veins especially developed in a zone
of intensive crushing by the enclosing rocks. The
hübnerite is usually associated with quartz and
quartz-sericite veins. During the process of prospecting with chilled shot core drilling, the core
breaks in places where the veins contact the enclosing rocks, or in zones of intensive crushing.
The "selective" grinding of the core occurs in these
places. The author considers two types of core
breakage: diagonal, or transversal cleaving in re-

Card 1/3

507/132-59-8-3/18

On the Selective Grinding of Core Samples in the Prospecting of Stockwork Deposits

lation to the axis of the core. In diagonal cleaving, only a crumbling of the core occurs. In transversal cleaving (disruption) of the core-sample, caused by the rotation of the drilling device, the two parts of the severed core grind each other.

As a result of extensive experiments (table 1 and graph 2) the author established that: 1) the selective grinding and crumbling directly depends on one angle formed by the vein and the axis of the core sample under conditions of analogous physical properties of veins and enclosing rocks (the more acute the angle - the less the selective grinding) - therefore the usual orientation of bore hole perpendicular to vein is unsuitable in the stockwork type of deposit; 2) the selective grinding depends on the character of the contact of the vein with the enclosing rock (veins with tectonic contact are ground

Card 2/3

SOV/132-59-8-3/18

On the Selective Grinding of Core Samples in the Prospecting of Stockwork Deposits

faster than those with "soldered" contact); 3) the use of chilled shot core drilling is advisable only if the bore hole forms an acute angle with the basic mass of veins. If an intensive selective grinding occurs, the percussion drilling method must be adapted. There are 1 set of diagrams, 1 table, and 1 graph.

ASSOCIATION:

Dzhidinskaya geologicheskaya ekspeditsiya (the Dzhida

Geological Expedition)

Card 3/3

FIL'KO, A.3.; KHULUGUROV, M.N.; TENTILOV, S.S.

Method of studying stockwork deposits in the Dzhidinskiy ore field. Sov. geol. 4 no.3:44-55 Mr '61. (MIRA 14:5)

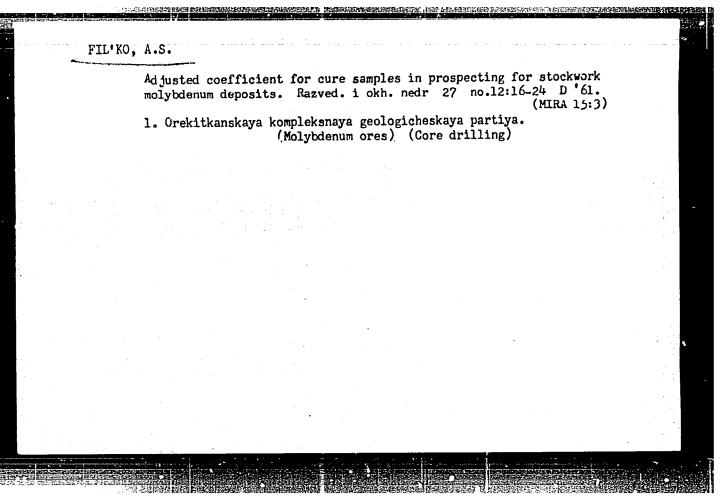
1. Dzhidinskaya geologicheskaya ekspeditsiya. (Ores—Sampling and estimation)

FIL'KO, A.S.; TENTILOV, S.S.

Analyzing the pattern arrangement of a test area in a molybedenum deposit. Razved. 1 okh. nedr 27 no.2:27-32 F '61. (MIRA 14:5)

1. Dzhidinskaya gealogicheskaya ekspeditsiya.

(Prospecting)



Core drilling with the inverse flushing of borehole bottoms for increasing the yield of cores and obtaining guide borings. Izv.

vys.ucheb.zav.; geol.i razv. no.2:83-94 F '62.

1. Moskovskiy geologorazvedochnyy'institut imeni Ordzhonikidze. (Core drilling)

GORDON,R.K.; FIL'KO, G.S.

Scientific conference of young specialists in the research institutes of the tire industry. Kauch.i rez. 19 no.6:57 Je '60.

(MIRA 13:6)

(Tires, Rubber)

BIDERMAN, V.L.; PUGIN, V.A.; FIL'KO, G.S.

Deformation and stresses in the rubber coating of the side strips of type "P" tires. Kauch. i rez. 24 no.7:15-17 Jl '65.

(MIRA 18:8)

1. Nauchno-issledovatel'skiy institut shinnoy promyshlennosti.

BIDERMAN, V.L.; PUGIN, V.A.; FIL'KO, G.S.

Fatigue endurance characteristics of the rubber-cord tire structure. Kauch. i rez. 24 no.12:29-31 '65.

(MIRA 18:12)

1. Nauchno-issledovatel'skiy institut shinnoy promyshlennosti.

CZECHOSLOVAKIA 30 Sep 63

FILKORN, Vojtech

Prof, Dr; rector, Komensky University, head of a delegation, left for Krakow, Poland, to aparticipate in the commemoration of the 600th anniversary of the foundation of Jagiello University, Bratislava, 30 September.

Pravda, Bratislava, 1 Oct 63, p 4.

(1)

FILKOV,E., inzh., k.t.n.

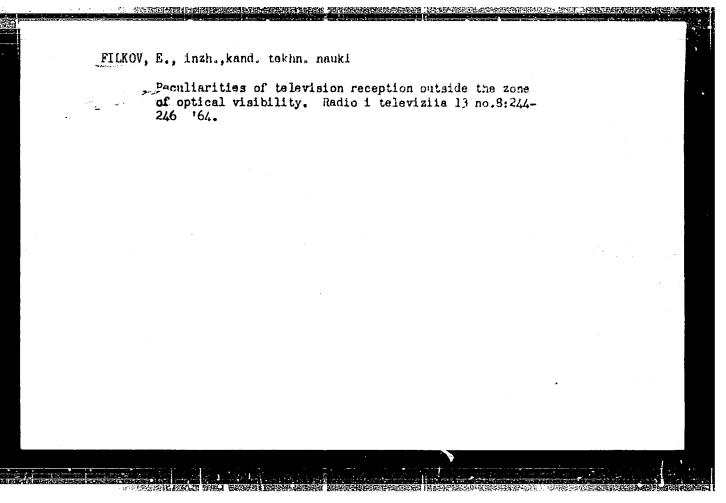
Temporary relaying television network in operation. Radio i televizia 12 no.4:112-115 '63

1. Chlen na Redaktsionnata kolegiia, "Radio i televiziia".

FILKOV, Em., k.t.n., inzh.

Colorimetric bases for constructing a colored television system.

Radio y televiziia 13 no.10:306-308 '64.



MARKOV, G., FILKOV, L.

The grandiose Rabisha Cave. Prir i znanie 14, no.10:13-15 D '61.

	MELIPA, N. F., FILKOV, L. V.	Ô		
	"Magazion Pelations for Compton-Effect on a Proton"			
	report presented at the Intl. Conference on High Energy Physics, Geneva, 4-11 July 1962			1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
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ACCESSION NR: AP5024351

UR/0367/65/002/002/0352/0360

AUTHOR: Fil'kov. L. V.

TITLE: The part played by non-iterated integrals in the Mandelstram representation for γ-quanta-proton Compton scattering

SOURCE: Yadernaya fizika, v. 2, no. 2, 1985, 352-360

TOPIC TAGS: proton scattering, Compton effect, gamma scattering, dispersion equation

ABSTRACT: Double dispersion relations are used as a basis for deriving univariate dispersion relations with respect to s and u with a single subtraction for the invariant amplitudes  $i_i^*(s,t)$ . Consideration is given to the fact that non-iterated integrals appear in double dispersion relations without subtraction as a consequence of the spin dependence of the process which may result in zeros in the spectral functions of the invariant amplitudes. Dispersion relations with respect to t are used together with the lower energy limit for determining the subtraction function. In analyzing the resultant dispersion relations, it is assumed that all higher waves in the photoproduction amplitude are determined by the particle delay term. This

Card 1/2

ACCESSION NR: AP50243					- 2	
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KRAVETS, Zyama Issakovich, insh.; TROFIMOV, Sorgey L'vovich, insh.;

FIL'KOV, Mikolay Iosifovich, insh.; KHUTORYANSKIY, N.M., red.;
BORROVA, Ye.N., tekhn.red.

[Repair of air compressors of locomotives] Remont vosduhoduvok
teplovosov. Moskva, Gos.transp.shel-dor.izd-vo, 1957. 50 p.
(MIRA 10:12)

(Air compressors—Maintenance and repair)

FIL'ROY, N.I., inzhener; DENIS'YEV, V.A., inzhener.

Machine for washing parts. Elek, i tepl. tiaga no.4:43 Ap '57.

(Railroads--Maintenance and repair) (MIRA 10:6)

KAZARINOV, Valentin Makarovich, doktor tekhn.nauk; KATANOV, Mikhail
Ivanovich, inzh.; MEDVEDEV, Valer'yan Vasil'yevich, inzh.; MEDLIN,
Rogvalod Yakovlevich, inzh.; TROFIMOV, Sergey L'vovich, inzh.;
FIL'KOV, Nikolay Iosifovich, inzh.; SAZONOV, A.G., inzh., red.;
KHITROV, P.A., tekhn.red.

[Reilroad rolling stock] Podvishnoi sostav shelusnykh dorog.

Moskva, Vses.izdstel'sko-poligr.ob"edinenie M-ve putei soobshcheniia, 1960. 367 p. (MIRA 13:12)

(Railroads--Rolling stock)

FIL'KOV, Nikolay Iosifovich; ; SHABLIY, Vladimir Maksimovich; MAYZEL',
Mark Moiseyevich; SOBAKIN, V.V., inzh., red.; VOROB'YEVA, L.V.,
tekhn. red.

[Repair of the trucks of the TE3 diesel locomotive]Remont telezhek teplovoza TE3. Moskva, Transzheldorizdat, 1962. 57 p.
(MIRA 15:12)

(Diesel locomotives—Maintenance and repair)

FIL'KOV, N.I.; MAYZEL', M.M.; POLUKHIN, N.P.; ZAHRODIN, B.V.;
KISELEVA, N.P., red.

[Maintenance and repair of the VMEl diesel locomotive]
Remont teplovoza VMEl. Moskva, Izd-vo "Transport,
1964. 136 p. (MIRA 17:8)

BOYCHENKOVA, N.G., dotsent; FILKOV, N.S., dotsent.

Effect of a brief rise in body temperature on the evacuatory function of the abomasum. Veterinariia 30 no.7:40-41 Jy '53.

(MLRA 6:7)

1. Dagestanskiy sel'ekokhozyaystvennyy institut.

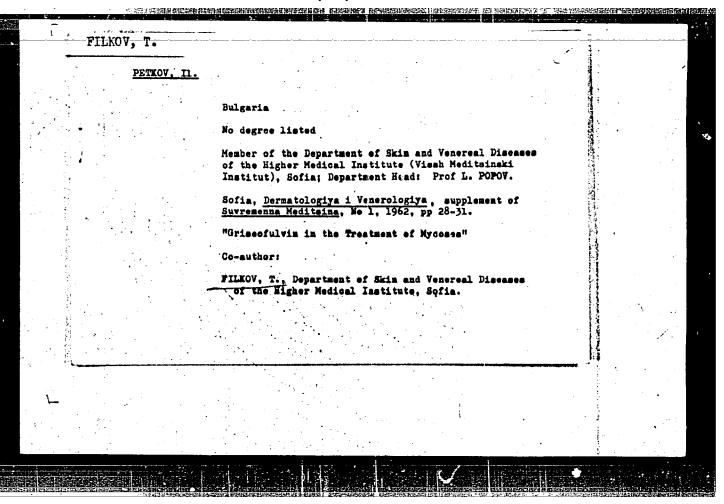
L 31305-66 EWT (1)/T ACC NR: AP6022587 SOURCE CODE: UR/0346/66/000/001/0060/0061 (A.N) AUTHOR: Mos'yakov, L. P.; Filkov, P. N. ORG: none TITIE: Treating animals infected with foot-and-mouth disease SOURCE: Veterinariya, no. 1, 1966, 60-61 TOPIC TAGS: foot and mouth disease, animal disease therapeutics, commercial animal, virus, virology, serum ABSTRACT: The authors report on measures they took on a number of farms against Type Ai of the foot-and-mouth disease virus. Comparing the course of the illness with types they had previously encountered (Types A, O, and C) they consider this variant to be more pathogenic, particularly for calves up to one month in age, whose symptoms were more severe than those of older cattle. The treatment they found effective in 3 days for the youngest calves was 10 ml of serun of foaling mares, 500,000 units of Bicillin, and up to one million units of Nycerin. Grown cattle were given larger doses of the same preparations. This treatment saved all cattle, whereas convelescent serum resulted in a great loss of very young cattle. [JPRS] SUB CODE: 06 / SUBH DATE: none Cord 1/1 CC

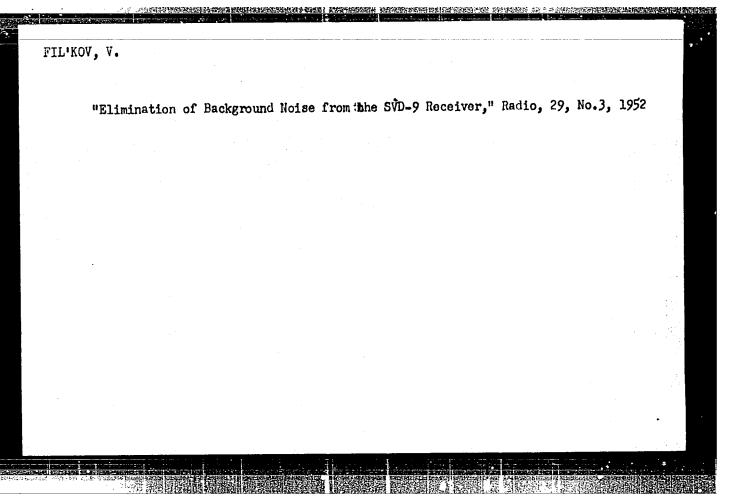
MAKAROV, A.F.; OBOROTOV, I.Ye.; KALYADIN, I.I.; FELENKO, L.I.; PEREPELITSA, V.R.; NECHAYEV, B.N.; DAVYDOV, A.M.; IVANOV, N.G.; CHUVAKOV, P.F.; FILIKOV, P.V.; LAR'KIN, G.D.; SVYATKIN, V.V.; SHARIFULLIV, M.

Railroad workers address metallurgists. Put' i put.khoz. 4 no.8:14 Ag '60. (MIRA 13:8)

1. Kovylkinskaya distantsiya puti i putevaya mashinnava stantsiya No.66, stantsiya Kovylkino, Kuybyshevskoy dorogi. 2. Nachal'nik Kovylkinskoy distantsii puti (for Makarov). 3. Sekretari partbyuro, stantsiya Kovylkino, Kuybyshevskoy dorogi (for Oborotov, Nechayev). 4. Predsedatel' mestkora; stantsiya Kovylkino, Kuybyshevskoy dorogi (for Kalyadin). 5. Sekretari Vsesoyusnogo Leninskogo kommunisticheskogo soyuza molodezhi, stantsiya Kovylkino, Kuybyshevskoy dorogi (for Felenko, Ivanov). 6. Nachal'nik putevoy mashinnoy stantsii No.66, stantsiya Kovylkino, kuybyshevskoy dorogi (for Perepelitsa). 7. Chlen mestkoma, stantsiya Kovylkino, Kuybyshevskoy dorogy (for Davydov). 8. Rukovoditeli brigad i udarniki kommunisticheskogo tcuda distantsii i putevoy mashinnoy stantsii No.66, stantsiy Kovylkino, Kuybyshevskoy dorogi (for Chuvakov, Fil'kov, Lar'kin, Svyatkin, Sharifullin).

(Railroads--Rails)





L 38183-66

ACC NR: AP6012317

SOURCE CODE: UR/0310/65/000/011/0037/0038

AUTHOR: Bocherov, V. (Engineer); Fil'kov, V. (Engineer)

12 B

ORG: UKIM

TITLE: Initial experience in the operation of the "Trudkommuna" lock

SOURCE: Rechnoy transport, no. 11, 1965, 37-38

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TOPIC TAGS: waterway engineering, inland waterway transportation

ABSTRACT: The construction and operation of a new low pressure lock (constructed in the Moscow River water transport system and put into full operation in 1964) are described. The walls and floor of the chamber are made of aggregate prefabricated reinforced concrete elements. The gates are the first in the Soviet Union to feature counterweighted segments with full-turn operation. The lock is automatic and has an outflow control panel. The operation time of the lock proved to be 18 min per vessel, as opposed to 33 min in the old lock. A number of design and construction defects are noted. Orig. art. has: 3 figures.

SUB CODE: 13/ SUBM DATE: none

UDC: 626.4.004

Card 1/1 Vmb

BOCHAROV, V., inzh.; FIL'KOV, V., inzh.

First work results of the "Trudkommuna" lock. Rech. transp. 24 no.11:37-38 '65. (MIRA 19:1)

1. Upravleniye kanala imeni Moskvy Ministerstva rechnogo flota RSFSR.

SOV/14-57-12-25482

Referativnyy zhurnal, Geografiya, 1957, Nr 12, Translation from:

p 17 (USSR)

AUTHOR:

Fil'kov, V. A.

TITLE:

Erosion and Surface Relief in the Rostov Oblast

(Eroziya i rel'yef Rostovskoy oblasti)

PERIODICAL:

Uch. zap. Rostovsk.-n.-D. un-ta, 1956, Vol 26, pp 59-68

ABSTRACT:

To facilitate erosion study, the author has prepared maps drawn to a definite scale which show the elevation at the base level of erosion, the density of ravines and gullies, and the surface relief of Rostov Oblast. These maps were compiled according to S. S. Sobolev's method. The author comes to the conclusion that the greatest depths of erosion do not always occur in the regions of the most intensive erosional activity. The depth and the density of incised channels must be considered jointly. The author proposes to correct

Card 1/3

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SOV/14-57-12-25482

Erosion and Surface Relief (Cont.)

the formula for computing average slopes, which Sobolev derived from his study of the ground surface in the European USSR. Sobolev's formula gave a figure which S. I. Sil'vestrov called an erosional and geomorphological coefficient (Postroyeniye i razmeshcheniye sistemy sevooborotov i zashchitnykh lesnykh nasazhdeniy v erozionnykh rayonakh tsentral'noy lesostepnoy zony. Nauchnyy otchet VNIALMI, 1949) (Planning and Introduction of Crop Rotation in Protective Forest Plantings on Eroded Sections in the Central Forest-Steppe Zone. Report of the All-Union Scientific Research Institute of Agricultural and Forest Melioration, 1949). This coefficient indicates the possibility of erosion developing in a given area and is dependent on the geomorphological peculiarities of the area. The magnitude of this coefficient was used in determining potential erosional development in Rostov Oblast. The following regions of potential erosional development have been distinguished: 1) strong, locally intensive erosion -- the Donets Ridge and the right bank section of the Middle Don River; 2) strong erosion--interstream zone Card 2/3

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SOV/14-57-12-25482

Erosion and Surface Relief (Cont.)

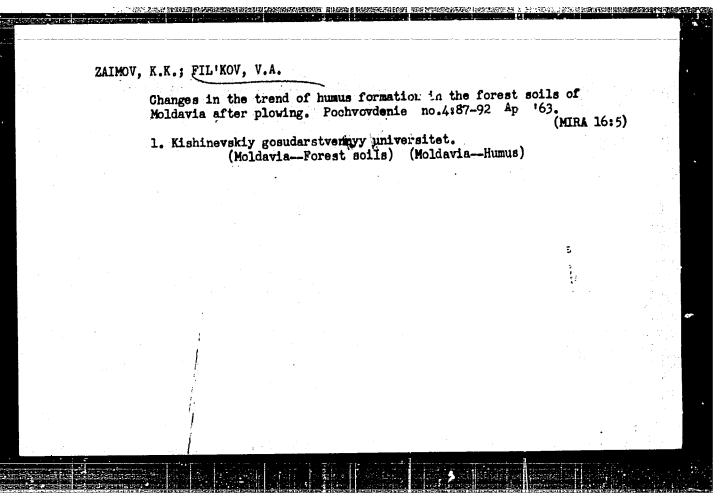
between the Don and Donets Rivers; 3) moderate erosion -- the Azov sloping plain and the southern slopes of the Sal-Manych divide; 4) slight erosion -- the left bank of the Chir River, the Don-Bystraya divide, the Don-Sal divide, and the northern slope of the Sal-Manych divide; 5) uneroded or slightly eroded areas -- the valleys of the Don River and of its large tributaries, and the northern part of the Azov-Black Sea plain to the south of the Don and the Manych Rivers. The first three regions show the greatest tendency to form gullies and to develop sheet erosion. The author divides Rostov Oblast into a northern part (the northern section of the lower Don River) with well developed slopes, and a southern part (the southern section of the lower Don River) which is almost flat. After computing mean slope as the arithmetic mean for previously calculated areas of varying steepness within this territory, the author can distinguish geomorphological regions with a definite slope steepness. Such a calculation enables him to isolate slopes subject to intensive erosion to which definite anti-erosion techniques should be applied. T. D. Ryskina Card 3/3

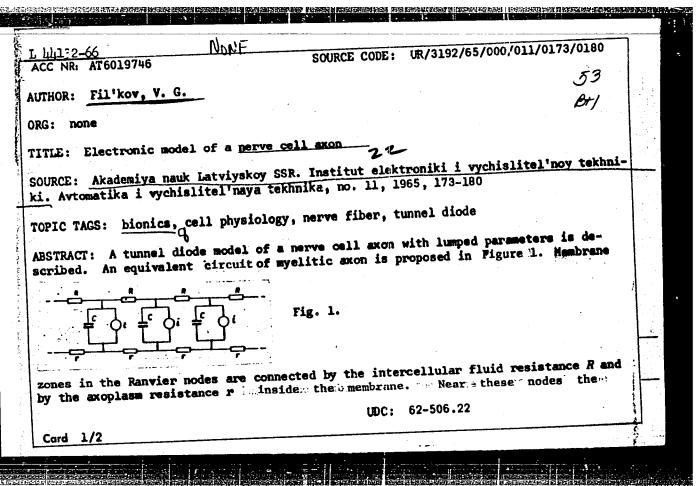
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ZAIMOV, K.K.; FIL'KOV, V.A.

(Characteristics of organic matter in Chernozems of Moldavia, Pochvovedenie no.10:68-72 '60. (MIRA 13:10)

1. Kishinevskiy gosudarstvennyy universitet. (Moldavia.—Chernozem soils)





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FILKOV, Te.V., Cand Tech Sci — (diss) "Study of districtions in the reproduction of color television images in a tube with Exerced screen." Len, 1959, 18 pp (Min of Communications USSR. Len Electrical Engineering Inst of Communications im Proffessor Bonch-Bruyevich) 200 copies (KL, 33-59, 119)

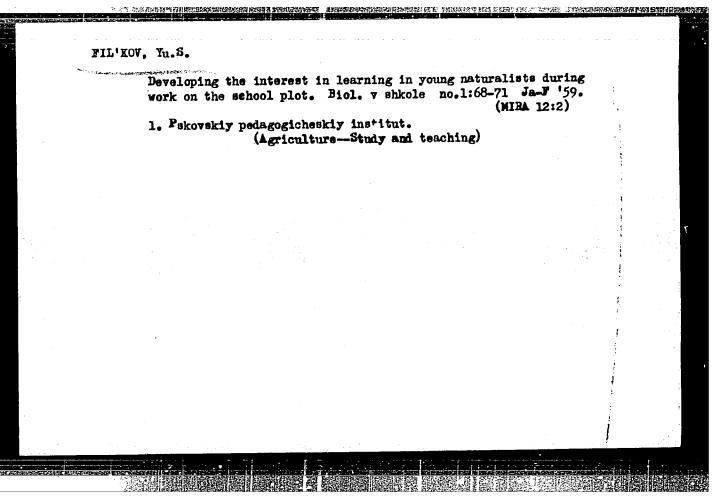
- 39 -

FILKOV, Ye. V.,

"Investigation of Distortion in the Reproduction of Color Television Images on a Tube with a Line Screen." Dissertation for the Degree of Candidate of Sciences (Leningrad Electrotechnic Institute of Communication im. M. A. Bonch-Bruyevich. Defense held on 25 June 1959.

An analysis and classification were nude of the possible and actual distortions in color transmission, which arise when a receiving tube with line screen is used. Ways and methods of estimating different methods of correction of distortion of color transmission are indicated.

Izv Vysshikh ucheb. zaved. MViSSO SSSR po razdelu Radiotekhnika, vol. 6, No. 1, 1963, p. 98-102 (original checked--Cand. of Sciences as in original.)



FILKOVA, V.

Our experiences with treatment of periodontosis with exidized serum. Cesk. stomat. 65 no.4:256-263 Jl 165.

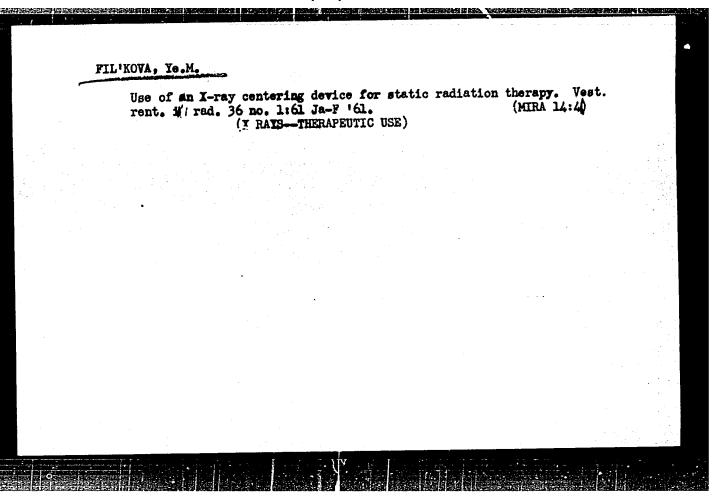
1. I. stomatologicka klinika lekarske fakulty University J.E. Purkyne v Brne (prednosta prof. dr. M. Filipinsky).

SHEKHONIN, V.P., doktor med. nauk; FIL'KOVA, Ye.M.; VAGANOVA, T.A.

Use of vitamin P in radiation sickness. Trudy TSentr. nauchissl. inst. rentg. i rad. 10:409-414 '59. (MIRA 12:9)

(RADIATION SICKNESS) (RUTIN--THERAFEUTIC USE)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210001-9"



FIL'KOVA, Ye. M.

Cand Med Sci - (diss) "Radiation therapy of erytremia." Moscow, 1961. 15 pp; (Ministry of Public Health USSR, Central Inst for Advanced Training of Physicians); 250 copies; free; (KL, 6-61 sup, 241)

PERESLECIN, I.A.; PERESLENI\*, N.A.; FIL'KOVA, Ye.M.

Radiotherapy of reticulosarcomas. Med.rad. no.6:11-14 '61.

(MIRA 15:1)

1. Iz rentgenoterapevticheskogo otdela Gosudarstvennogo nauchnoissledovatel'skogo rentgeno-radiologicheskogo instituta Ministerstva
zdravookhraneniya RSFSR.

(RETICULO-ENDOTHELIAL SYSTEM—TUMORS) (RADIOTHERAPY)

PERESLEGIN, I.A.; PERESLENI, N.A.; FIL'KOVA, Ye.M.

Rotation roentgenography of pulmonary cancer. Med.rad. no.11: 3-6 '61. (MIRA 14:11)

1. Iz rentgenoterapevticheskogo otdela Gosudarstvennogo nauchnoissledovatel skogo rentgeno-radiologicheskogo instituta Ministerstva zdravookhraneniya RSFSR. (LUNGS-CANCER) (LUNGS-RADIOGRAPHY)

SYROMYATNIKOVA, Ye.N.; FIL'KOVA, Ye.M.

Gas exchange during radiotherapy for pulmonary cancer. Med.rad.
6 no.8:1/.-18 Ag '61. (MIRA 14:8)

1.Iz biokhimicheskoy laboratorii rentgenoterapevticheskogo otdela
Gosudarstvennogo nauchno-issledovatel'skogo rontgeno-radiologicheskogo inatituta Ministerstva zdravockhraneniya RSFSR.
(LUNGS—CANGER) (RESPIRATION) (RADIOTHERAPY)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210001-9"

KUBAREVA, M.M.; FIL'KOVA, Ye.M.

Blood proteins and riboflavin metabolism in patients with malignant neoplasms during radiotherapy. Med. rad. 8 no.6:15-19 Je 163.

(MIRA 17:4)

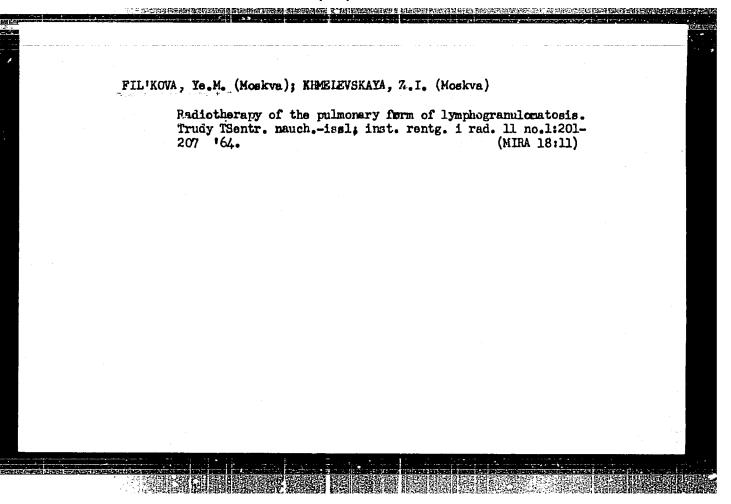
1. Iz biokhimicheskoy laboratorii (rukovoditel' - prof. I.B. Fridlyand) i rentgenotera avticheskogo otdela (rukovoditel' I.A. Pereslegin) Nauchno-isaledovatel'skogo rentgeno-radiologicheskogo instituta Ministerstva zdravookhraneniya RSFSR.

LUK'YANCHENKO, B.Ya.; FIL'KOVA, Ye.M.

Lymphography as a method for visual observation of the effectiveness of radiotherapy in malignant diseases of the lymphatic system. Med. rad. 9 no.3:17-19 Mr 164. (MIRA 17:12)

l. Rentgenodiagnosticheskiy (zav. - doktor med. nauk L.S. Rozenshtraukh) i rentgenoterapevticheskiy ctdely (zav. - dotsent I.A. Pereslegin) Nauchne issledovateliskogo rentgeno-radic-logicheskogo instituta (direktor prof. I.G. lagunova) Ministeritva zdravockhraneniya RSFSR.

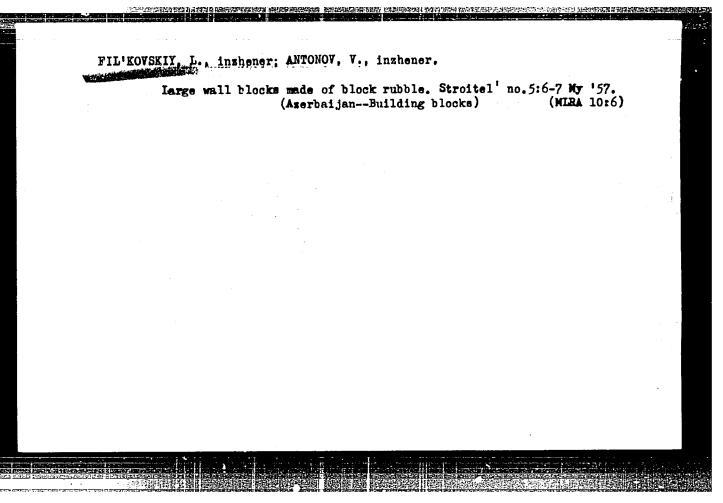
# Lik Tancienco, B. M. (Monkee); Fil-Kova, No. M. (Monkee) Use of lymphographic data in the course of treatment of patients with malignant diseases of the lymphotic system. Trudy TSenter. mauch,—dagl. inst. rentg. 1 rad. 11 no.11 103-108 °64. (MIRA 18:11)



FIL'KOVSKAYA, H. (Chelyabinsk)

Here are the results. Okhr.truda i sots.strakh. no.9:53
S '59. (MIRA 13:1)

1. Zaveduyushchaya etdelom sotsial'nogo strakhovaniya obkoma profscyuza rabochikh metallurgicheskoy promyshlennosti.
(Chelyabinsk--Medicine, Industrial)



CZECHOSIOVAKIA/Human and Animal Physiology - Blood.

T-4

Abs Jour

: Ref Zhur - Biol., No 7, 1958, 31594

Author

Bilek, O., Filkuka, J., Vlasin, Z.

Inst

Title

On the Problem of the Nerve Regulation of Leukocytosis.

Orig Pub

: Scripta med., 1955, 28, No 4-5, 193-199

Abstract

: In rabbits, the exposure of the ear vein (according to Nikolayev) with the preservation of the innervation of the ear caused "tension" with leukocytosis and hyperglycemia. The introduction into the exposed vein of 4% formalin after the elimination of these phenomena caused leukocytosis anew and an increase of the content of sugar in the blood. Leukocytosis is considered as a manifestation of nerve regulation accomplished by the transmission of stimulation of the interoceptors of the walls of the vessel in the peripheral merves. Hyperglycemia is connected with the change of the tonus of the autonomic nerve system,

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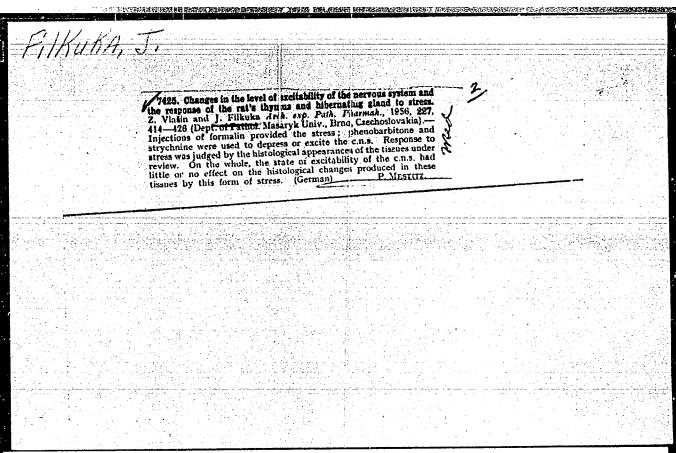
- 32 -

Card 2/2

FILKUKA, J.; AUBRECHTOVA, V.; HORNOVA, J.

Microspectrophotometric determination of the amount of DNA in cells of the epithelial lining of maxillary cysts and in cells of a spinocellular carcinoma caused by their malignant transformation. Cesk. stomat. 65 no.5:311-319 S \*65.

1. I. patologickoanatomicky ustav (prednosta prof. dr. Jar. Svejda, DrSc.) a II. stomatologicka klinika (prednosta prof. dr. Jos. Svejda, DrSc.) le'arske fakulty University J.E. Purkyne v Brne.



CZECHOSLOVAKIA UDC 616.24-003.65(:546.284):616.428-076

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210001-9

SKLENSKY, Bohuslay: FILKUKA, Jaroslay: ZAVREL, Ivo; Clinic of

SKLENSKY, Bohuslav; FILKUKA, Jaroslav; ZAVREL, Ivo; Clinic of Occupational Diseases (Klinika Nemoci z Povolani) Head (Prednosta) Prof Dr J. VYSKOCIL; 1st Institute for Pathological Anatomy (I. Ustav Patologicke Anatomie) Head (Prednosta) Prof Dr J. SVEJDA; 1st Surgical Clinic (I. Chirurgicka Klinika) Head (Prednosta) Docent Dr J. UHLIR, Medical Faculty, J. Ev. Purkyne University (Lek. Fak. UJEVP) Brno.

"Bippsy of Scalene Nodules in Silicosis."

Prague, Pracovni Lekarstvi, Vol 18, No 6 - 7, Aug 66, pp 253-255

Abstract /Authors' English summary modified 7: Extirpation and histological examination of deep scalene nodules from the right neck side of 27 patients was carried out. Foundry workers, miners, tunnellers, and stone cutters showed symptoms of complicated silicosis most frequently. In 8 of the investigated workers marked silicotic nodules were found by histological examination; in 15 deposits of anthracotic pigment, and in all cases acute lymphadenits was found. Tuberculous changes were not found at all. 6 Figures, 10 Western, 2 Czech, 1 Russian, 1 East German, 1 Polish, 1 Hungarian reference. (Manuscript received 27 Oct 65).

CZECHOSLOVAKIA / Chemical Technology. Chemical Prod- H-5

ucts and Their Application. Water

Treatment. Sewage.

Abs Jour: Ref Zhur-Khimiya, No 1, 1959, 1737.

Author : Fill. J.
Inst : Not given.

Title : Purification of Sewage Waters in Weakly Populated

Localities.

Orig Pub: Voda, 1957, 36, No 11, 299-300.

Abstract: No abstract.

Card 1/1

15

FILL, Josef, inz.

Building of septic chambers of sewage treatment plants. Vodni hosp 13 no.3:115-116 \*63.

1. Ingstav, Brno.

FILLENZ, Jeno

Remark on the article entitled "Casting Technique of Fused Materials."

Musz elet 16 ro.11:6 My '61. (ERAI 10:9)

(Founding)

L 39388-65 EVIT(d) IJP(e)

ACCESSION NR: AP5005882

5/0020/65/160/003/0555/0557

A. 1867

AUTHOR: Filler, F. M.

TITLE: On the numerical solution of Fredholm integral equations of the second kind

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source: AN SSSR. Doklady, v. 160, no. 3, 1965, 555-557

TOPIC TAGS: Fredholm integral equation, second kind Fredholm equation, Fredholm equation numerical solution, economical solution method

ABSTRACT: The numerical solution of Fredholm integral equations of the second kind is considered. It is indicated that the solution of these equations is usually reduced to the solution of the following system of linear algebraic equations:

$$f(x_i) + \sum_{j=1}^{n} A_j K(x_i, y_j) f(y_j) = (x_i), i = 1, 2, ..., n$$
 (1)

in which the sum stands for the integral  $\int_{\mathbb{R}} K(x, y) f(y) dy$  of the integral equation and means a certain quadrature formula with y; integration points which coincide with the points  $x_1, x_2, \dots x_n$  at which Cord 1/3

39388-65

ACCESSION NR: AP5005882

the function f(x) is sought. If the number of  $x_i$  points is n and the number of integration points is k, then it is necessary to solve a system of N = max(n, k) linear algebraic equations whose solution requires CN3 operations and H2 cells of computer memory. As compared with known methods, the proposed method economizes computer time and memory. Using this method, the number n of xi points, as well as the corresponding number of linear equations, does not depend on the number of integration points yij for various xi. Using a certain interpolation formula, function  $f(y_{ij})$  is expressed in terms of  $x_i$  and substituted into equation (1). From the derived system of equations,  $f(x_1)$ ,  $f(x_2)$ ,... $f(x_n)$  can be calculated. An algorithm is proposed for determining  $x_1, x_2, \dots, x_n$  and the corresponding quadrature formulas which are necessary to achieve the required accuracy and a procedure is presented for verifying that the number of selected points  $x_1, x_2, \dots x_n$  is sufficient to describe the function f(x). Solution of the Fredholm integral equation by the proposed method requires cn3 operations and  $n^2$  cells of computer memory. Expecially, when f(x) is more smooth than K(x, y), it economizes the time required for computa tions and a computer memory. It is noted that at the institute of Theoretical and Experimental Physics, the described method is realized

Card 2/3

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ナムトモベ

SUBJECT USSR / PHYSICS AUTHOR

CARD 1 / 2

TITLE

VERESCAGIN.L.F., SEMERCAN, A.A., FIRSOV, A.I., GALAKTIONOV, V.A., FILLER F.M. Some Investigations on the Hydrodynamics of a Jet of Liquid

PERIODICAL

ejected from a Nozzle under the Pressure of up to 1500 atm. Zurn. techn.fis, 26, fasc.11, 2570-2577 (1956)

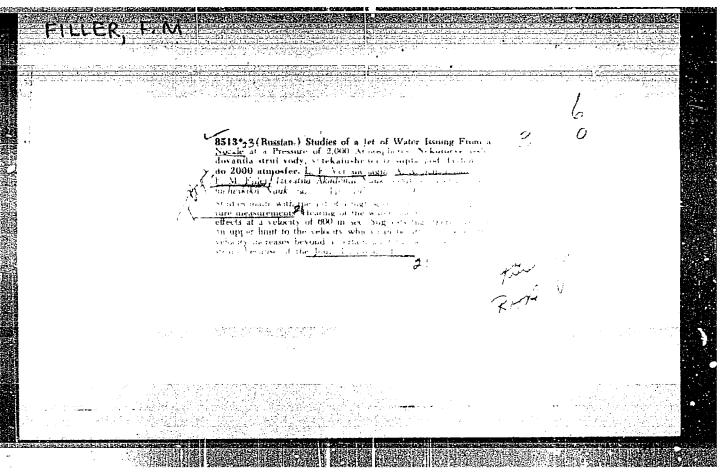
Issued: 12 / 1956

By the work carried out in the laboratory for the physics of extremely high pressure of the USSR Academy of Science concerning the construction of compressors for extremely high pressures it was possible to develop a continuously operating machine which is able to eject water through a nozzle of from 0,2 to 0,8 mm diameter at pressures (prevailing before the nozzle) of up to 1500 atm. As such a pressure drop before and behind the nozzle requires great efficiency of the hydraulic compressor, it was necessary to build a machine that performed at least 1000 revolutions per minute and that was able at pressures of up to 2000 atm to produce one ton of water per hour. The authors carried out their tests at pressures below 1500 atm in order to diminish the part played by the boundary layer introducing the jet of liquid. They used nozzles of at least 0,45 mm diameter; shape and surface of the nozzle exercise considerable influence on the disintegration of the jet of liquid. The most favorable shape of the nozzle is shown in form of a drawing. On this occasion it was not possible to use any of the existing methods for the direct measuring of the jet velocity, and it was necessary to use the BERNOULLI

Žurn.techn.fis, 26, fasc.11, 2570-2577 (1956) CARD 2 / 2 equation for this purpose. A diagram illustrates the dependence of jet velocity on the pressure prevailing in the receiver before the nozzle. The authors computed this dependence by using BRIDGMAN'S data for the compressibility of water. Up to pressures of from 3000 to 4000 atm the compressibility of water does not play an important part and the approximated formula v = 14 p may be used (p in kg/cm2, v in m/sec). At such velocities REYNOLD'S numbers become very high (order of magnitude 105). They are mentioned in a table for a nozzle of 0,6 mm. The temperature of the jet increases with an increase of pressure and therefore also with an increase of velocity. Heating by friction and adiabatic cooling act in opposition to each other. Also a negative JOULE-THOMSON effect becomes noticeable. According to the opinion of the authors the experimentally attainable velocity of a jet of water ejected from a nozzle is limited only by the JOULE-THOMSON effect, for the temperature of the jet increases to such an extent at a certain pressure that the water evaporates. The authors found such an evaporation to take place on the occasion of an experiment carried out at 5000 atm, which fact may also be confirmed by rough calculation. The jet of water was investigated by means of a cinematographic camera producing 5000 pictures per sec, so that the general properties of the jet could be examined.

INSTITUTION:

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210001-9"



AUTHORS:

Vereshchagin, L. F., Semerchan, A. A., Fille, F. M., 57-11-26/33

Galaktionov, V. A.,

TITLE: The Role of the Receiver at the Flow of a Water Flux at Supersonic Velocity (Znacheniye resivera pri istechenii vodyanoy strui

sverkhzvukovoy skorosti)

PERIODICAL:

Zhurnal Tekhn. Fiz., 1957, Vol. 27, Nr 11, pp. 2640-2646, (USSR)

ABSTRACT:

Here a theoretical computation of the dependence of the pressurepulsation-smoothing degree in the receiver on the capacity of at pressure production in this receiver by means of a hydraulic ultrahigh-pressure compressor was carried out. The influence of the receiver-capacity (contents) on the pressure-pulsation-smoothing degree in the receiver is investigated by experiment. The results of the computation were compared with those of the experiment with regard to the pressure-pulsation-smoothing degree of the water in the receiver and it was ascertained that the theoretical computation in spite of a number of simplifying assumptions shows a satisfyingconformity with the data of the experiments. On account of the results of the experiments the water jet, which flows out of a 5-6 liter receiver at supersonic velocity, may be looked upon as well smoothed with regard to the impulse-pressures and consequently also with regard to the impulse-velocities. There are 5 figures, 2 tables and 3 Slavic references.

Card 1/2

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210001-9"

57-11-26/33 The Role of the Receiver at the Flow of a Water Flux at Supersonic Velocity.

ASSOCIATION: Laboratory for Physics of Ultra-High Pressures AN USSR (Laboratori-

ya fiziki sverkhvysokikh davleniy AN SSSR)

December 30, 1956 SUBMITTED:

Library of Congress AVAILABLE:

Card 2/2

FILLER, F.M.

57-2-32/32

AUTHORS:

Vereshchagin, L. F., Semerchan, A. A., Filler, F. M.

TITLE:

On the Velocity Break in a Water

Jet (K roprost o kasalyva shoreabl v vodyanov acruye)

PERIODICAL:

Zhurnal Tekhnicheskoy Fiziki, 1958, Vol. 28, Nr 2, pp.433-435

(USSR)

ABSTRACT:

Reference is made to the tests already described (references 1 and 2) on the investigation of the water-jets with supersonic speed. The jet is produced by a water-compressor with an expansion chamber. The water jet flowing out of a 1 mm nozzle was photographed with a cinematographic equipment. The velocity of the photograph was 8000 pictures per second. The obtained photographs give the possibility to determine when the conditions for the outflow of the jet seem to be guaranteed, the shape of the jet does not change with time and all pictures are storeotype. The here-observed nature of the outflow in many respects recalls the cases described in reference 1. It is shown that a disk of liquid forms at the intersection of the "fast" and the "slow" jet. Two cases of discon-

Card 1/2

57-2-32/32

On the Velocity Szeak in a Water Jet

finuity were theoretically investigated: 1.) the velocity in the nozzle is a step-function of the time and 2.) the velocity in the nezzle makes an instantaneous jump with a subsequent linear fall with respect to time. In both cases a discontinuity of the free jot occurs. At the intersection of the "fast" and the "slow" jet a disk of liquid forms which retates with a velocity that is equal to the arithmetic mean of the velocity of the liquid-particles immediately before and after the intersection. In the first case the disk is flat and moves 2 . In the second case the disk with a velocity u = loses its flat shape and the point of intersection moves slowly . These tests made by the author essentially confirm the conclusions of theory. It is pointed out that this report made here for the time being has cally a qualitative nature. There are 2 figures, and 5 references, 4 of which are Slavic.

ASSOCIATION:

Ultra-Righ Pressure Physics Deboratory, AS USSR (Laboratoriya Fisias Averthay) Souther Carteniy AMSSSR)

SUBMITTED:

May 3, 1957

AVAILABLE: Card 2/2

Library of Congress

- 2. Water-Velocity-Test methods l. Jets-Velocity-Water
- 3. Water-Velocity-Test results

USCOMM-DC-54759

CIA-RDP86-00513R000413210001-9" APPROVED FOR RELEASE: 06/13/2000

了了一块的大型,我们还是不是一个大型,我们们的现在,我们们就是一个大型,我们们就是一个大型,我们就是一个大型,我们就是一个一个大型,这个大型,这个大型,这种人的

SOV/57-28-9-30/33 AUTHORS: Semerchan, A. A., Vereshchagin, L. F., Filler, F. M., Kuzin,

N. N.

TITLE: Momentum Distribution in a Continuous Fluid Jet at Supersonic

Velocity (Raspredeleniye kolichestva dvizheniya v nepreryvnoy

zhidkostnoy struye sverkhzvukovoy skorosti)

PERIODICAL: Zhurnal tekhnicheskoy fiziki, 1958, Nr 9, pp. 2062-2071

ABSTRACT: This paper covers the investigation of a continuous horizontal

fluid jet at sub- and supersonic velocity (from 300 to

540 m/sec). The principal procedure adopted in the experiments is described. In order to obtain a jet with the required parameters, the Nr 1 hydraulic plant of the association mentioned below (Ref 7) was used. The distribution of momentum in a continuous water jet ejected at supersonic velocities from a nozzle was obtained. According to the curves describing the momentum distribution the boundaries of a free water jet moving with supersonic velocity in the atmosphere were determined. The contour of the jet is in accordance with that observed in pho-

contour of the jet is in accordance with that observed in photographs. It was found that an increased viscosity of the fluid

Card 1/2 results in a reduction of the conical angle of the jet. A com-

sov/57-28-9-30/33

Momentum Distribution in a Continuous Fluid Jet at Supersonic Velocity

bination of the method of determining the momentum (which was used here), together with a satisfactory method of determining the density of the moving medium throughout the jet makes it posfind the velocity field and the distribution of kinetic energy in supersonic fluid jets. There are 11 figures, 2 tables, and

7 references, 5 of which are Soviet.

ASSOCIATION: Laboratoriya fiziki sverkhvysokikh davleniy AN SSSR, Moskva (Laboratory of Physics of Superhigh Pressures, AS USSR, Moscow)

Caid 2/2

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AUTHORS:

Semerchan, A. A., Filler, F. M., Dembo, N. S., Kuzin, N. N.

TITLE:

The Application of Liquid Jets Flowing Out at Ejector Pressures of up to 1,000 kg/cm<sup>2</sup>

PERIODICAL:

Inzhenerno-fizicheskiy zhurnal, 1960, Vol. 3, No. 2,

pp. 61-66

TEXT: Peculiarities and rules of ejectors are investigated at a pressure of the active liquid (p<sub>1</sub>) between 300 and 1,000 kg/cm<sup>2</sup>, and a prescure of the passive liquid (p2) between 1 and 7.6 atmospheres. A diagram of the experi-

mental plant is shown by Fig. 1. By exchanging the central ejector part, 4 discharge parts with different diameters could be investigated. The experimental results are given in Figs. 2 and 3. As can be seen, the characteristic of the ejector consists of a working and a cavitation (vertical) part. The limit of the ejection coefficient q\* is determined by the pressures p<sub>1</sub> and p<sub>2</sub> as well as by the form and size of the discharge part. An

Card 1/2

The Application of Liquid Jets Flowing Out at: \$\frac{80278}{170/60/003/02/11/026}\$
Ejector Pressures of up to 1,000 kg/cm<sup>2</sup>
B006/B005

increase in  $p_1$  leads to an approximately proportional pressure increase behind the ejector, at the same time shifting the beginning of cavitation in the direction of lower q-values. The change in  $p_2$  influences only slightly the working characteristic but the more so the critical ejection coefficient. The critical ejection coefficient is well expressed by the formula

 $q' = (m-1)\sqrt{\frac{p_2 - p_s}{p_1 - p_s}}$  suggested by P. P. Korolev (Ref. 6).  $p_s$  = pressure of

the saturated vapors. Table 1 shows that this formula in first approximation permits a determination of the position of the cavitation branch of the permits a determination of the position was observed visually. Fig. 4 characteristic. The formation of cavitation was observed visually. Fig. 4 shows the transparent discharge part of an ejector model under varying workshows the transparent discharge part of an ejector model under varying workshows the transparent discharge part of an ejector model under varying workshows the transparent discharge part of an ejector model under varying workshows the transparent discharge part of an ejector model under varying workshows the transparent discharge part of an ejector model under varying workshows the transparent discharge part of an ejector model under varying workshows the transparent discharge part of an ejector model under varying workshows the transparent discharge part of an ejector model under varying workshows the transparent discharge part of an ejector model under varying workshows the transparent discharge part of an ejector model under varying workshows the transparent discharge part of an ejector model under varying workshows the transparent discharge part of an ejector model under varying workshows the transparent discharge part of an ejector model under varying workshows the transparent discharge part of an ejector model under varying workshows the transparent discharge part of an ejector model under varying workshows the transparent discharge part of an ejector model under varying workshows the transparent discharge part of an ejector model under varying workshows the transparent discharge part of an ejector model under varying workshows the transparent discharge part of an ejector model under varying workshows the transparent discharge part of an ejector model under varying workshows the part of the

ASSOCIATION: Institut fiziki vysokikh davleniy AN SSSR, g. Moskva

(Institute of High-pressure Physics AS USSR, City of Moscow)

Card 2/2

8/170/60/003/03/14/034 B014/B007

10.4000

Vereshchagin, L. F., Filler. AUTHORS:

Kuzin, N.

TITLE:

The Problem of the Destructive Effect of Cavitation

PERIODICAL:

Inzhenerno-fizioheskiy zhurnal, 1960, Vol. 3, No. 3,

pp. 87-90

TEXT: The formation of cavities by quickly moved liquids is investigated. Among other things, the authors refer to the opinion expressed by M. Kornfel'd (Ref. 3), according to which the destructive effect is caused immediately by the water hitting the metal surface. Besides this purely mechanical theory of the effect produced by cavitation, also the chemical theory is mentioned. Experimental results, in which the time-dependence of the formation of cavities on various factors was investigated, are discussed. As may be seen from Fig. 2, the time for the formation of cavities decreases sharply with increasing velocity. Fig. 3 graphically shows the dependence of the time required for the formation of cavities upon the distance between the metal plate and the nozzle for three different nozzle diameters

Card 1/2

CIA-RDP86-00513R000413210001-9" **APPROVED FOR RELEASE: 06/13/2000** 

The Problem of the Destructive Effect of S/170/60/003/03/14/034 B014/B007

(0.64-0.84 mm). The rate of outflow was 440 m/sec. For each of the three curves it was found that at a certain distance the time required for the formation of cavities is a minimum. This high intensity of cavitation is connected with the division of the jet. The results obtained tend to confirm the mechanical cavitation theory. There are 3 figures, 3 tables, and 6 references: 4 Soviet and 2 English.

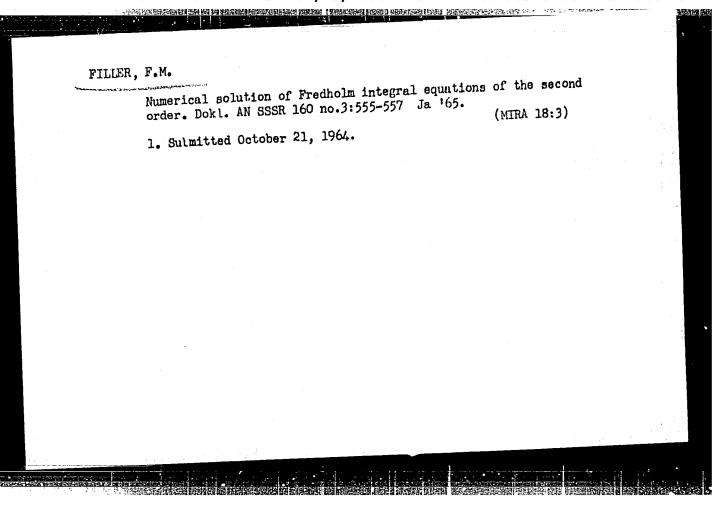
ASSOCIATION: Institut fiziki vysokikh davleniy AN SSSR, g. Moskva (Institute of High-pressure Physics of the AS USSR, City of Moscow)

Card 2/2

ADEL'SON-VEL'SKIY, G.M. (Moskva), FILLER, F.M. (Moskva)

Program for calculating network graphs. Zhur. vyck. mat. 1 mat.
fiz. 5 no.1:144-148 Ja-F '65.

(MIRA 18:4)



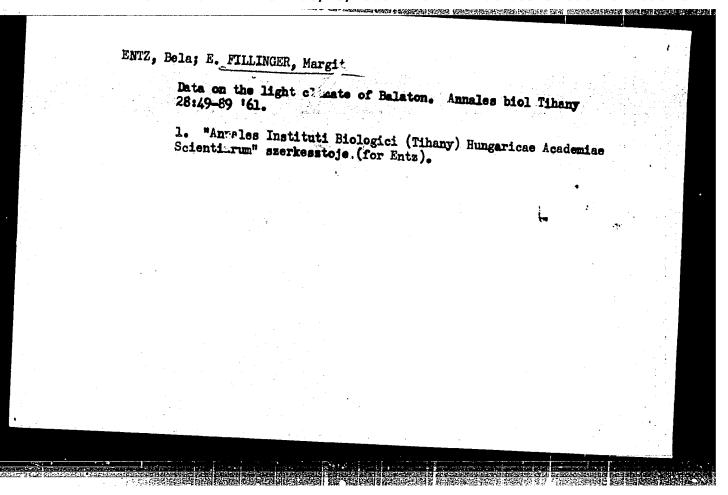
KOKURIN, V.; FILLER, Yu., arkhitektor

Glass, ceramics, plastics. Obshchestv.pit. no.2:53-54 F '63.

(MIRA 16:4)

1. Direktor Gosudarstvennogo instituta po proyektirovaniyu predpriyatiy torgovli i obshchestvennogo pitaniya (for Kikurin).

(Restaurants, lunchrooms, etc.—Design and construction)



ACC NR: AT0014855

SOURCE CODE: UR/2531/66/000/188/C059/0067

AUTHOR: Fillipoy, A. Kh.

ORG: None

TITLE: Evaluation method for corona discharge currents from natural points

SOURCE: Leningrad. Glavnaya geofizicheskaya observatoriya. Trudy, no. 188, 1966. Atmosfernoye elekrichestvo (Atmospheric electricity), 59-67

TOPIC TAGS: atmospheric electricity, thunderstorm, lightning, corona discharge, corona discharge current, thunderstorm measurement

ABSTRACT: This paper presents a theory and a method of total corona discharge estimation, for a discharge from natural sharp points on the Earth's surface. This work was upon regarding the total electric field at the earth's surface to be the sum of 1) the or space charge of the atmosphere. The density of corona current (corona current per of air 1 cm<sup>2</sup> cross section) as:

i =dq/dt =(1/4n)(dE/dt)

i = field streater a lightning discharge, more specifically, as the shorter of the two time constants

Card 1/2

GUBAREV, A.V., kand.tekhn.nauk; FILLIFPOV, G.A., inzh.; PAND'YA, A.D., inzh.

Bladeless gate apparatus for centripetal turbines (from "Gas and Cil Power," no.1 1961). Energomashinostroenie 9 no.2:38-39 F '63.

(Gas turbines)

(Gas turbines)

ACC NR: AT6014855

$$E = E_1 \exp(-t/\tau_i) + E_2 \exp(-t/\tau_L)$$
 (2)

which was found well approximated by post-discharge relaxations. FEE(t) is determined experimentally and stored, for a number of equidistant time values. The most probable magnitudes of E<sub>1</sub>, E<sub>2</sub>, Z<sub>7</sub>, and Z<sub>2</sub> are then calculated by least squares optimization bearing the electric field component of the volume charge was made on the derstorms during 1960-1962. Calculations were performed on the URAL-2 computer. Progexponent next, conditional upon absence of one of the two. Corona discharge currents i.e. the area having the same corona current as one artificial point. The effective area, by equating the developed summary corona current expression to the expression for the to be 360 m<sup>2</sup>. Knowledge of the total corona discharge current under a cloud if the relation between corona current and field strength and the electrical structure of the cloud are known. Orig. art figures, 5 formulas and 3 tables.

SUB CODE: 04/ SUBM DATE: None/ ORIG REF: 009/ OTH REF: 005

Card 2/2

Measuring the thermal diffusivity of metals at high temperatures.

Part 1. Theory of the method of variable heating in a high-frequency furnace. Teplofiz. vys. temp. 2 no.3:384-391 My-Je '64.

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

ACCESSION NR: AP4034655 S/0096/64/000/005/0054/0057 AUTHORS: Fillipov, G. A. (Candidate of technical sciences); Wang, Chung-ch'i TITLE: The effect of twist in flow on the characteristics of nozzle grids SOURCE: Teploenergetika, no. 5, 1964, 54-57 TOPIC TAGS: annular nozzle grid, static pressure, turbine blade, reaction pressure, centrifugal force, peripheral loss, end loss ABSTRACT: The available experimental results of studies on annular nozzle grids with twisted flow at the inlet were analysed and a method is proposed for calculating the static pressure of the blades on the grids. It was found that the peripheral losses were less for grids with radially installed blades than for blades inclined at an angle of 2 to 10 degrees. For grids with s'raight blades installed radially on the periphery, the losses due to splashing were considerable, but these were reduced and moved towards the hoop by the use of curvilinear blades. The force on the blade due to the flow is given by the expression where Y is the angle of inclination of the blade, B the

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pression p	$=1-(1-p_n)/\frac{c_{ij}}{}$	)/a where ola	resortion on f	he blade is	given by the	
figures, ar	phery, and o's a d 1 table.	re the componer	nt speeds. O	rig. art. has	s: 5 formulas,	
SOCIATION: gineering)	Moskovskiy ener	geticheskiy ind	stitut (Moscon	▼ Institute o	of Power	
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FILLIPOV, G.A. kand. tekhn. nauk; VAN CHZHUN-TSI [Wang Chung-ch'1]

Effect of curls in the flow on the characteristics of nozzle lattices. Teploenergetika ll no.5:54-57 My'64. (MIRA 17:5)

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