

PISKOZUB, Andrzej

Policy of railway and port tariff in Poland between the two
World Wars. Gosp. morska no.8:167-198 '63.

PISKOZUB, Andrzej, mgr.

Sea harbors as transport stations; a discussion. Tech gosp morska 11
no.12:356-358 '61.

1. Wyssza Szkola Ekonomiczna, Sopot.

PISKOZUB, A., mgr

The problem of differential budgetary accounting in the administration of ports. Tech gosp morska 10 no.7/8:206-208 J1-Ag '60. (EEAI 9:11)

1. Wyższa Szkoła Ekonomiczna, Sopot.
(Poland--Harbors)

WISKOTYB Andrzej, mgr.

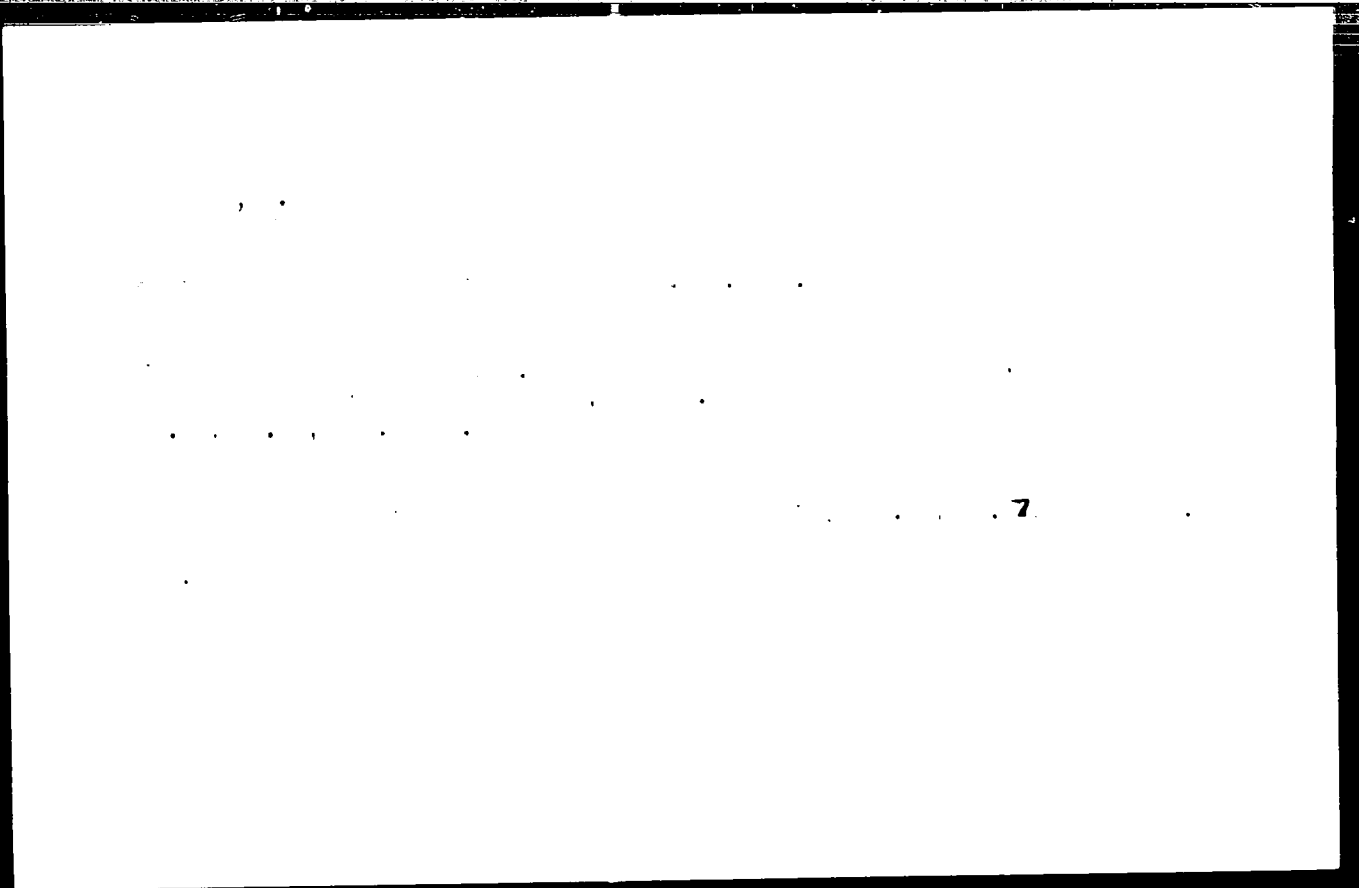
Cooperation among the enterprises of the Sea harbor industries;
based on the practice in the Szczecin Port. Tech gosp morska 12
no.6:164-165, 166 J8 '64.

1. Wyższa Szkoła Ekonomiczna, Sopot.

PISKOZUB, Andrzej, Mgr

Is the location of voundries near the Polish coast reasonable from
the economic point of view? Tech gosp morska 10 no.5/6:140-141
My-Je '60. (EEAI 9:10)

1. Wyzsza Szkola Ekonomiczna, Sopot.
(Poland--Founding)



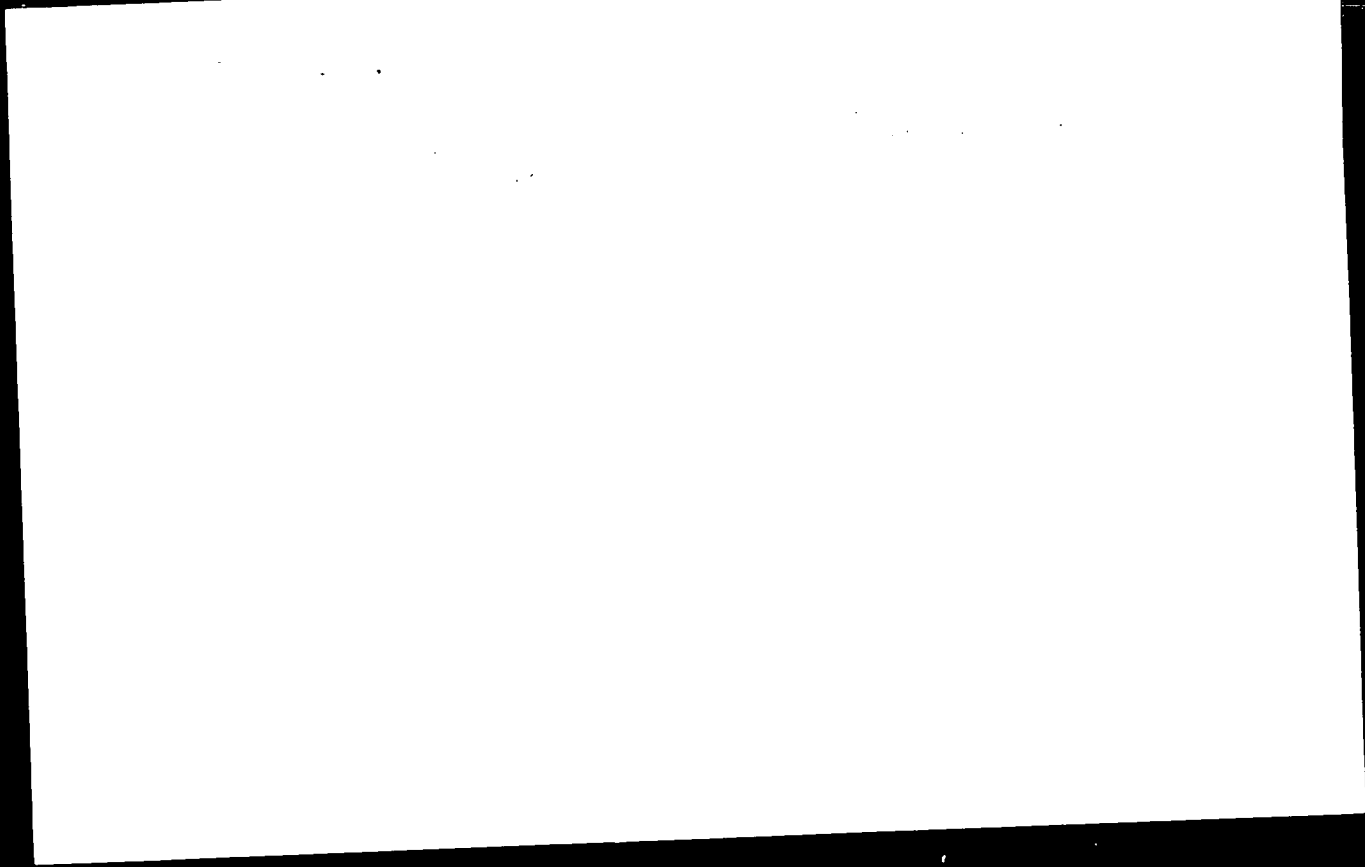
PISKOZUB, Andrzej, mgr.

Localization of production and maritime management. Tech
gosp morska 13 no.9:263-266 S'63

1. Wyższa Szkoła Ekonomiczna, Sopot.

"APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R001341



APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R0013411

PI SKOZUB, L.L.

digitally loss in val. casting i sea under the influence of external
pressure. Izv vysh. zashch. zav. 1971, no. 11, p. 21.

1. Izv vysh. zashch. zav. 1971, no. 11, p. 21.

L 4889-66 EWT(1)/EWA(j)/EWA(b)-2 JK

ACC NR: AP5024013

UR/0348/65/000/009/0030/0031
632.981.3

AUTHOR: ^{44.55} Piskozub, Z. (Head of section on machines for chemical protection of plants);
Matsyevskiy, T. (Engineer, Designer) ^{6.44.55}

TITLE: A wide-cut general purpose spray bar ¹³⁶

SOURCE: Zashchita rasteniy ot vreditel'ey i bolezney, no. 9, 1965, 30-31

TOPIC TAGS: spray bar, spray nozzle, agricultural machinery

ABSTRACT: This article describes a PAKh-30 collapsible, general purpose spray bar, used as an attachment to chemical plant protection machines. The L'vovsel'mash Factory is outfitting the GAN herbicide-ammonia machine with this bar. The PAKh-30 is intended for spraying field plants with chemicals against weeds, pests, and diseases. Separate sections of the bar may be used in cultivators, plows, and sowers as distributors of aqueous ammonia, or for spraying protective zones with herbicides. The technical characteristics of the bar are given in Table 1 of the Enclosure. The PAKh-30 may also be used in leaf-feeding of grains and other plants with mineral fertilizer. Orig. art. has: 2 figures and 1 table.

ASSOCIATION: GSKB L'vovskogo sovmarkhoza (GSKB, L'vov Council of National Economy)

SUBMITTED: 00

ENCL: 01

^{44.55} SUB CODE: GO, IE, LS

NO REF SOV: 000

OTHER: 000

Card 1/2

09010586

L 4889-66

ACC NR: AP5024013

ENCLOSURE: 01

| | ONK-B | OSSh-15 | GAN PAKh-23 | PAKn-30 |
|---|---------------------|---------------------|---------------------|-------------|
| Width of cut (m): | | | | |
| working | 8.5 | 15 | 8 | 15 |
| transporting | 3.0 | 3.8 | 4 | 4.2 |
| Working speed (km-hr) | 4.0 | 5 - 6 | 6 - 8 | 8 - 10 |
| Productivity (hectare/hr) | 2 | 5 | 3.5 | 9 |
| Gross weight (kg) | 52 | 110 | 50 | 170 |
| Width between individual rows processed by segments of rod (cm) | 45, 70 | 45 | 45, 60, 70 | 45, 60, 70 |
| Type of sprayer | standard field type | standard field type | standard field type | Centrifugal |
| Rate of flow of working fluid at maximum speed (liter/hectare): | | | | |
| maximum | 500 | 300 | 500 | 300 |
| minimum | 150 | 100 | 150 | 80 |

PISKOZUB, Z.I.; MUZYCHKO, I.S.

GAN modernized herbicide-ammonia machine. Trakt. i sel'khozmasst.
no.11:40-41 N '65.

1. Gosudarstvennoye spetsial'noye konstruktorskoye byuro po
mashinam dlya khimicheskoy zashchity rasteniy.

PISKOZUB, Z.I.; CHALYY, V.P.

GAN-8 "Urozhai", a universal machine. Zashch. rast. ot vred.
1 bol. 7 no.2:15-16 F '62. (MIRA 15:12)
(Agricultural machinery)

KOZUB, V.I.

Attachment for the supplementary placement of ammonia water in the
Trakt. i sel'khozmasn. no.1:35-36. Ja'lon.

[M. 1982]

1. Gosudarstvennoye spetsial'noye konstrukt. raketnoe byuro
mash. nam. ilya zashchity rasteniy.

11. FIA, 4.

Comparative tests for forest planting tools. p. 243.

S. 4512, 4541. J. E. E. Praha. Vol. 3, no. 4, pt. 1914.

S. 4512, 4541. East European Accessions List (EAL) Library of Congress
Vol. 9, No. 7, July 1966.

PISKULA, F.

Comparative tests for forest planting tools. p. 583.

SBORNÍK. KADA LESNÍCTVÍ Vol. 28, No. 5, Oct. 1955
Czechoslovakia

SOURCE: EAST EUROPEAN AGENCIES LIST Vol. 5, No. 7, July 1956

PISKULA, F.

Comparative tests for forest planting tools. n. 683.
SPRACZNIK, ROZDZIALEK LEŚNICTWA. Praha. Vol. 28, no. 5, Oct. 1959.

SOURCE: EAST EUROPEAN ABSTRACTS LIST (EEAL) Library of Congress
Vol. 5, No. 7, July 1950.

PISKULA, F.

Mechanical lifting of seedlings in forest nurseries. p. 13.
LES. Bratislava. Vol. 1, no. 5, May 1954.

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, No. 3, March 1956

PISKULIN, V.K.; KRUTKINA, P.A.; KRASIL'NAYA, A.A. (Yalta)

Effect of oxygen baths on hypertension. Vrach. delo no.5:142-143
My '62. (MIRA 15:6)

1. Sanatoriy "Zhemchuzhina", Yalta. (OXYGEN THERAPY)
(HYPERTENSION) (BATHS, MEDICATED)

L 45833-66 EWT(d)/EWP(1) IJP(c) BB/GG/JXT(BF)
ACC NR: AP6030574 SOURCE CODE: UR/0413/66/000/016/0055/0055

INVENTOR: Samoylenko, V. I. ; Migunov, N. I. ; Piskulov, Ye, A. ; Puzyrev,
V. A. 63
13

ORG: none

TITLE: Method of recording and reading information from a fine anisotropic ferromagnetic film. Class 21, No. 184936 [announced by Moscow Order of Lenin Aviation Institute imeni S. Ordzhonikidze (Moskovskiy ordena Lenina aviatsionny institut)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 16, 1966, 55

TOPIC TAGS: information storage, data recording, data readout, magnetic field

ABSTRACT: A method of recording and reading out of information from fine anisotropic ferromagnetic films is proposed. Recording is accomplished by a field acting along the mean easy axis of magnetization and reading by a field acting along the mean hard axis of magnetization. To store analog information, the value of the field which acts along the mean hard axis must exceed the value

Cord 1/2

UDC: 681.142.07

L 45833-66

ACC NR: AP6030574

of the anisotropy field. The recording field value which corresponds to the stored analog information lies within the region of boundary creep and shift, while the value of the reading field lies within the region of nondestructive readout.
[Translation] [DW]

SUB CODE: 09/ SUBM DATE: 24Jun65/

Card 2/2 *47*

PISKUN, A.I.. kandidat meditsinskikh nauk.

Adenoids. Zdorov'ie 1 no.12:25 D '55.(MLRA 9:2)
(NASOPHARYNX--ADENOID VEGETATIONS)

ACCESSION NR: AT4018974

S/3064/63/000/004/0014/0033

AUTHOR: Shishkov, L. K.; Piskunkov, A. F.

TITLE: Some problem in the calculation of hydrogen-containing systems

SOURCE: Moscow. Inzh.-fiz. institut. Nekotoryye voprosy* inzhenernoy fiziki (Some problems in engineering physics), no. 4, 1963, 14-33

TOPIC TAGS: hydrogen system, Boltzmann equation, hydrogen cross section, scatter, scattering angle, nuclear reactor, neutron age

ABSTRACT: Taking as their basic formula the Boltzmann equation in a diffusion approximation

$$\nabla \bar{\varphi}_1(u) + \Sigma \varphi_0(u) = \int_{-\infty}^u du' \Sigma_1(u') \varphi_0(u') f_0(u' \rightarrow u),$$

$$+ \int_{-\infty}^u du' \Sigma_{tr}(u' \rightarrow u) \varphi_0(u') \cdot \lambda(u) \int_{-\infty}^{\infty} \Sigma_1(u') \varphi_0(u') du',$$

$$\frac{1}{3} \nabla \varphi_0(u) + \Sigma \bar{\varphi}_1(u) = \int_{-\infty}^u du' \Sigma_1(u') \bar{\varphi}_1(u') f_1(u' \rightarrow u).$$

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ACCESSION NR: AT4018974

where $\varphi_0(u), \varphi_1(u) = \varphi_0, \varphi_1(u, r)$

and $\Sigma = \Sigma_n(u) + \Sigma_s(u) + \Sigma_{1n}(u)$

with the boundary condition $2\bar{\Phi} \cdot \bar{n} - \bar{\alpha}_0 = 0$ by S, the authors describe the transition to multi-group equations. The hydrogen cross sections are defined by the following formulas

$$\frac{\int_{u_k}^{u_{k+1}} du \int_{u_k}^{u_{k+1}} du' [(u' + u) \Sigma(u') + \int_{u_k}^{u_{k+1}} \Sigma(u'') du'']}{\int_{u_k}^{u_{k+1}} \frac{\Sigma(u') + \int_{u_k}^{u_{k+1}} \Sigma(u'') du''}{\sigma_s(u')} du'}$$

ACCESSION NR: AT4018974

$$\sigma_H^{i-k} = \frac{\int_{u_k}^{u_{k+1}} du \int_{u_i}^{u_{i+1}} du' (u' + u) \chi(u') + \int_{u_i}^{u_{i+1}} \chi(u'') du''}{\int_{u_i}^{u_{i+1}} \chi(u') \cdot \int_{u_k}^{u_{k+1}} \chi(u'') du'' \cdot \sigma_f(u'')}$$

The problem of the non-hydrogen components is also considered and it is shown that for all elements, except hydrogen, the sections take on the form of the "transport approximation"

$$\sigma_u^{k-1-k} = \frac{(\xi)^k}{\Delta u_k} \cdot \sigma_{in}^{k-1-k} \quad \sigma_u^k = \frac{(\xi)^k}{\Delta u_k} + \sigma_a^k + \sigma_{in}^k$$

$$\sigma_l^k = \sigma_s^k (1 - \mu) + \sigma_a^k + \sigma_{in}^k$$

where ξ is the mean-logarithmic energy loss at impact; μ is the mean cosine of the scattering angle in the nuclei of the given element; σ_a , σ_f are the cross sections in the resonance regions. The method of "moments" for the calculation of neutron age (plain geometry) is considered. The system of equations for the "moments" in plain geometry has the following form

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ACCESSION NR: AT4018974

$$\Sigma_0(u) M_0^0(u) - \int_{-\infty}^u du' M_0^0(u') \Sigma_1(u') f_1'(u' \rightarrow u) = X(u).$$

$$\Sigma_1(u) M_1^1(u) - \int_{-\infty}^u du' M_1^1(u') \Sigma_2(u') f_2'(u' \rightarrow u) = \frac{1}{3} M_0^0(u);$$

$$\Sigma_0(u) M_0^1(u) - \int_{-\infty}^u du' M_0^1(u') \Sigma_1(u') f_1'(u' \rightarrow u) = 2M_1^1(u).$$

with multi-group moment equations derived as follows

$$M_0^{(k)} \Sigma_0^k = \sum_{i=1}^{i=k-1} \Sigma_0^{i-k} M_0^{(i)} + X_k;$$

$$M_1^{(k)} \Sigma_1^k = \sum_{i=1}^{i=k-1} \Sigma_1^{i-k} M_1^{(i)} + \frac{1}{3} M_0^{(k)};$$

$$M_0^{(k)} \Sigma_0^k = \sum_{i=1}^{i=k-1} \Sigma_0^{i-k} M_0^{(i)} + 2M_1^{(k)};$$

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ACCESSION NR: AT4018974

In the computations two systems of constants were used, which correspond to the energy breakdowns adopted in a previous work (I. V. Gordeyev et al. Spravochnik po yadernno-fizicheskim konstantam dlya raschetov reaktorov. M., Atomizdat, 1960), making it possible to use the data given in that work with respect to the computation of the cross sections of fissionable and certain stable isotopes. The systems considered are a fifteen-group and a ten-group system. The solution of the problems in terms of criticality is considered on the basis of

$$\nabla^2 \bar{\varphi}_{1k} - \Sigma_0^k \varphi_{0k} - \sum_{l=1}^{k-1} \varphi_{0l} \Sigma_0^{l-k} - \frac{\lambda_k}{k_{\text{eff}} \varphi_0} \sum_{l=1}^m \varphi_{0l} \Sigma_l^k \nu_l = 0.$$

$$\int_V \nabla^2 \varphi_{0k} + \Sigma_1^k \varphi_{1k} - \sum_{l=1}^{k-1} \varphi_{1l} \Sigma_1^{l-k} = 0, \quad 2\varphi_{0k} n - \varphi_{0k} = 0 \text{ на } S,$$

and it is shown that practical interest attaches only to the zero harmonic of the stream: $\varphi_0(r, u) = \int \varphi_0(r, u) \Omega \cdot d\Omega$. These equations are so transformed as to exclude φ_1 . In a separate section of the paper, the author discusses the determination of the magnitude of the extrapolated addition δ , using a method proposed by V. V. Orlov. By way of example, in checking the accuracy of the methodology, neutron age is calculated in a water - iron mixture.

The authors express their deep gratitude to V. V. Orlov and S. B. Shikov for

Card 5/6

ACCESSION NR: AT4018974

their thorough and attentive advice regarding questions touched on in this article."
Orig. art. has: 4 figures, 27 formulas and an appendix.

ASSOCIATION: Inzh.-fiz. Institut, Moscow (Engineering Physics Institute)

SUBMITTED: 00

DATE ACQ: 05Mar64

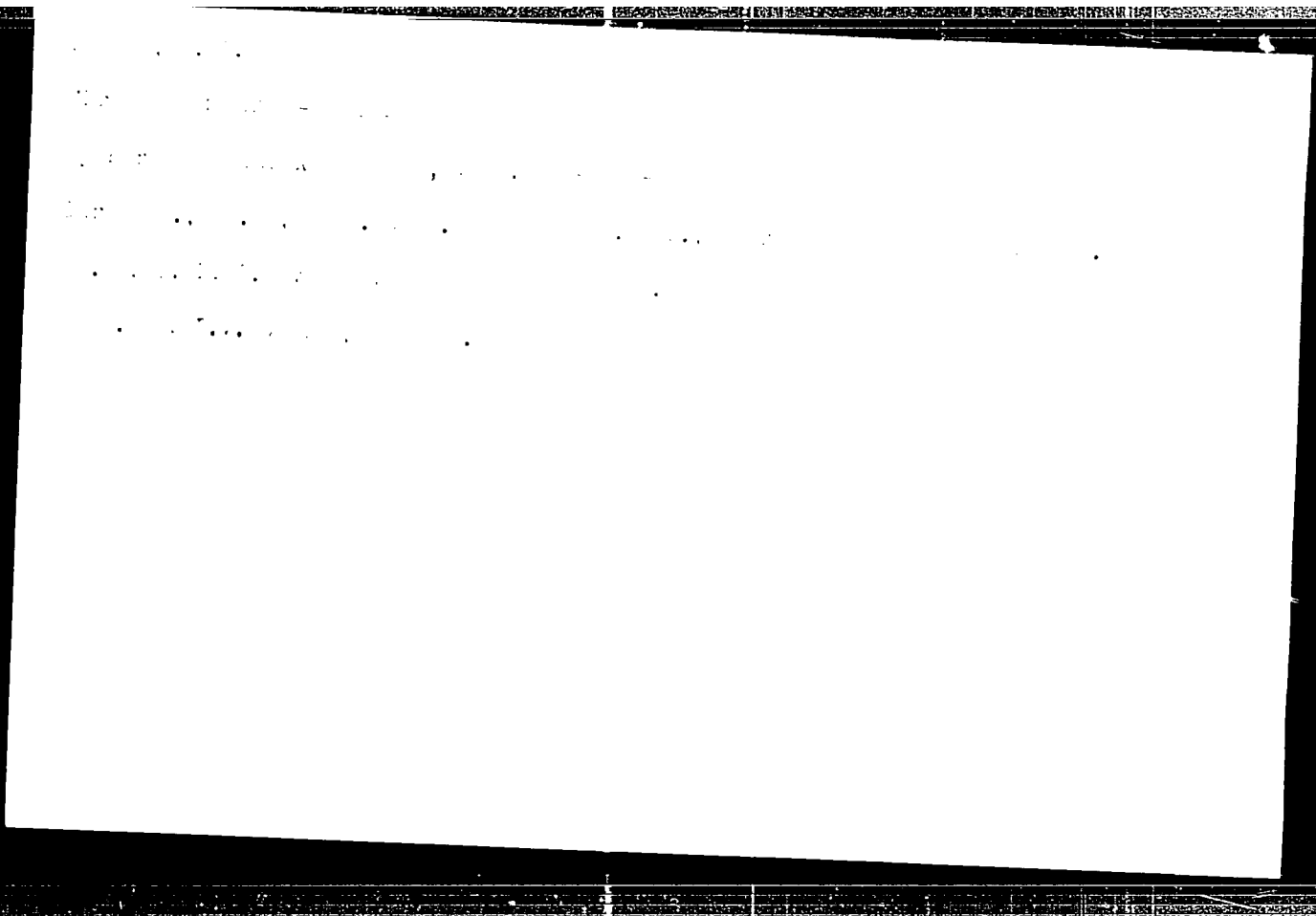
ENCL: 00

SUB CODE: NP

NO REF SOV: 007

OTHER: 003

Card 6/6



PISKUN, A.I.

Expediency of tonsillectomy during the second day following dissection of peritonsillar abscess. Vest. otorinolar., Moskva 14 no.1:55-56 Jan-Feb 52.
(CIML 21:4)

1. Senior Scientific Associate. 2. Of the Central Scientific-Research Institute of Otorhinolaryngology of the Ministry of Public Health RSFSR (Director--Honored Worker in Science Prof. V.K. Trutnev).

PISKUN, A.I.

Nerves of the palatine tonsils and their receptor structures. Vest. otorinolaryngol., Moskva 14 no.6:34-40 Nov-Dec 1952. (CJML 23:4)

1. Senior Scientific Associate. 2. Of the Morphological Laboratory (Head -- Prof. G. F. Ivanov), Scientific-Research Institute of the Ear, Throat, and Nose (Director -- Honored Worker in Science Prof. V. K. Trutiyev) of the Ministry of Public Health RSFSR.

PISKUN, A.I.

Innervation of the tonsils. Arkh. anat., Moskva 30 no.4:45-52 July-Aug 1953.
(CIWL 25:4)

1. Of the Morphology Laboratory (Head -- Prof. G. F. Ivanov) of the Scientific-Research Institute of the Ear, Throat, and Nose (Director -- Honored Worker in Science Prof. V. K. Trutnev), Ministry of Public Health USSR.

PISKUN, A. I.

PISKUN, A. I.: "On the innervation of the tonsils and its clinical significance". Moscow, 1955. Min Health USSR. Central Inst for Advanced Training of Physicians. (Dissertation for the Degree of Candidate of MEDICAL Sciences)

SO: Knizhnaya Letopis' No. 51, 10 December 1955

PISKUN, A.I., kandidat meditsinskikh nauk

Case of disseminated amyloidosis of the laryngeal, pharyngeal,
pharyngeal, and tracheal mucosa. Vest.oto-rin. 17 no.2:74-75 M^r-
Ap '55. (MIRA 8:7)

1. Iz Nauchno-issledovatel'skogo instituta ukha, gorla i nosa
Ministerstva zdravookhraneniya RSFSR (dir. zaslužhennyy deyatel'
nauki prof. V.K.Trutnev).

(AMYLOIDOSIS,

laryngo-tracheo-pharyngeal)

(LARYNX, diseases,

amyloidosis, laryngo-tracheo-pharyngeal)

(TRACHEA, diseases,

amyloidosis, laryngo-tracheo-pharyngeal)

(PHARYNX, diseases,

amyloidosis, laryngo-tracheo-pharyngeal)

PISKUN, Aron Isayevich; BLISEYEVA, A. V., red.; MIRONOVA, A. M., tekhn.
red.

[Chronic tonsillitis] ~~Khronicheski~~ tonzillit. Moskva, Medgiz,
1962. 62 p. (MIRA 16:2)

(TONSILS—DISEASES)

PIKUN, A.I., kandyd.med.nauk

Nerves of the salivary gland. Trudy Gos.nauch.-issl.inst.
ukha, gorla i nosa. 6:183-198 '65. (MIRA 12:10)

1. Iz otdela morfologii (zav. - prof. G.F.Ivanov) Gosudarstvennogo
nauchno-issledovatel'skogo inatituta ukha, gorla i nosa.
(TOP SILS--INTERVIEW)

PISKUN, B.

"Forests of the Soviet Union; forestry characteristic"
by V.P. Cepljaev [Tseplyayev, V.P.]. Reviewed by B. Piskun.
Les cas 8 no.2:156-158 '62.

A. N. Benjamin, inz.

evaluation of the necessity of the allocation of the ...
... zone boundary in ... A. ...

... Research Institute of Robotics, Jyväskylä University.

PISKUN, B.I., kand.med.nauk

Chordoma of the nasopharynx. Zhur. ush., nos. 1 gorl. bol. 21 no.3:
61-63 My-Je '61. (MIRA L.:6)

1. Iz polikliniki imeni N.A.Semashko (glavnyy vrach - N.V.Sokolova)
i khirurgicheskoy bol'nitsy (glavnyy vrach - P.A.Makeyev) Upravleniya
khozyaystvennogo-raschetnykh lechebnykh uchrezhdeniy Moskovskogo
gorodskogo otдела zdravookhraneniya.
(NASOPHARYNX—CANCER)

PISKUN, L., inzh. (Leningrad

Simplest hand sprayers. Zashch. rast. ot vred. i bol. 10
no.7:40-41 '65. (MIRA 18:10)

L 1161-66 BW

ACCESSION NR: AP5012896

UR/0348/65/000/005/0030/0031
632.981.1

AUTHOR: Piskun, L., (Engineer, Mechanic)

18
B

TITLE: Mounting the ONK-B sprayer on a truck

SOURCE: Zashchita rasteniy ot vreditel'ey i bolezney, no. 5, 1965, 30-31

TOPIC TAGS: agriculture, agricultural equipment, aerosol

ABSTRACT: The author developed a method for mounting the ONK-B sprayer on a GAZ-51 truck, resulting in a self-propelled unit which is convenient for municipal parks and gardens. The mounting system, providing for control from the cab of the truck and convenient disassembly, is described in detail. The tank holds 800 liters and the pump, which is connected to the engine of the truck, performs 160 strokes/min, at 1,100 rpm, and a forward speed of 4.2 kph. In an addendum to the article, Mr. F. Aleksyuk comments that a similar mounting of the ONK-B sprayer on a GAZ-51 truck was accomplished in a simpler way in Krasnoyarsk, using a different system for transmitting power to the pump. Orig. art. has: 4 figures.

ASSOCIATION: None

SUBMITTED: 00

NO REF SOV: 000

SUB CODE: 16

ENCL: 00

OTHER: 000

Card 1/1

PISKUN, I.F., inzh.-mekhanik

Testing jet pumps. Zashch. rast. ot vred. i boi. (1964-1964)

'64.

(MIRA 1744)

MIKHAYLOV, D.M., inzh.; PISKUN, L.P., inzh.

The GBA-25 thermal aerosol generator. Zashch. rast. ot vred.
i bol. 6 no.11:16-17 N '61. (MIRA 16:4)

1. Spetsial'noye konstruktorskoye byuro sel'skokhozyaystvennykh
mashin Leningradskogo soвета narodnogo khozyaystva.
(Spraying and dusting equipment)

MIKHAYLOV, D. M., inzh.; PISKUN, L. F., inzh.

The OASH-8 orchard aerosol machine. Zashch. rast. ot vred. 1
bol. 5 no.5:22-23 My '60. (MIRA 16:1)

1. Spetsial'noye konstruktorskoye byuro sel'skokhozyaystvennykh
mashin Leningradskogo soveta narodnogo khozyaystva.

(Spraying and dusting equipment)

BELYAKOV, S.G., inzh.; PISKUN, L.F., inzh.

Mechanical resistance of pump cups. Zashch.rast.ot vred.i bol.
7 no.5:23-24 My '62. (MIRA 15:11)

1. Spetsial'noye konstruktorskoye byuro Leningradskogo soveta narodnogo khozyaystva.
(Spraying and dusting equipment)

MASLICHENKO, P.A., kand.tekhn.nauk (Leningrad); PISKUN, L.F., inzh.-
konstruktor (Leningrad)

Defects of the OAN-1 sprayer. Zashch.rast.ot vred.i bol. 7
no.5:19 My '62. (MIRA 1962)
(Spraying and dusting equipment)

PISKUN, L.F., insh.-konstruktor; MIKHAYLOV, D.M., insh.-konstruktor

The ONG truck-type sprayer. Zashch. rast. ot vred. 1 bdl. 7
no.12:17-18 D '62. (MIRA 16:7)

(Spraying and dusting equipment)

AREF'YEV, K.M.; MASLICHENKO, P.A.; PISKUN, L.F.

Aerosol generators. Trakt. i sel'khoz mash. no.12:18-19 D '54.
(MIRA 13:3)

1. Leningradskiy politekhnicheskii institut im. M.I. Kalinina.
(Aerosols)

ANDREYEVA, G.; PISKUN, N.

Work of the Gorno-Altai consolidated children's hospital. Vop. ozh.
mat. 1 det. 5:62-68 S-0 '6C. AMIRA 13:10
(GORNO-ALTAI AUTONOMOUS PROVINCE—CHILDREN—HOSPITALS)

BAZILEVSKIY, M.V.; PISKUN, N.I.

Effect of substituents in the radical detachment of hydrogen
from a methyl group. Zhur. fiz. khim. 39 no.3:762-764 Mr '65.

(MIRA 18:7)

1. Fiziko-khimiicheskiy institut imeni Karpova.

BAZILEVSKIY, M.V.; PISKUN, N.I.

Role of an unshared pair of electrons in radical reactions.
Breakaway of hydrogen from hydroxyl, amino, and carbonyl
groups. Zhur. fiz. khim. 39 no.4:951-957 Apr 1963.

1. Fiziko-khimicheskiy institut imeni Karlova. Submitted
Jan. 1, 1962.

L 43023-65 EWT(m)/EPF(o)/EWP(j) Pc-4/Pr-4 RPL RM
 ACCESSION NR: AP5008916 S/0076/65/039/003/0762/0764

22
20
D

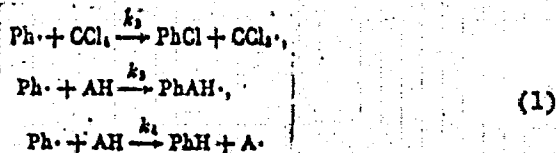
AUTHOR: Bazilevskiy, M. V.; Piskun, N. I.

TITLE: Influence of substituents on the reaction of radical detachment of hydrogen from a methyl group

SOURCE: Zhurnal fizicheskoy khimii, v. 39, no. 3, 1965, 762-764

TOPIC TAGS: radical detachment, methyl group, hydrogen detachment, phenylazo-triphenylmethane

ABSTRACT: A study was made of the influence of electron-donor and electron-acceptor substituents in $B(CH_3)_n$ molecules on the reactivity of hydrogen atoms of the methyl group in the reaction with the phenyl radical. The B substituents contained an active molecular group Y linked to a benzene ring or an aliphatic radical $R = Ph(CH_3)_2C\cdot$; $B = PhY\cdot$ or $Ph(CH_3)_2CY\cdot$; $Y = C, N, O, C=O, C=NOCOPh$. The following reactions were considered:



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L 43023-65

ACCESSION NR: AP5008916

2

All the experiments were carried out at 60C with phenylazotriphenylmethane as the source of radicals. The methods by which the compounds were prepared and their characteristics are described. It was found that the presence of both electron-donor X groups and electron-acceptor C=X groups in the α position relative to the methyl group increases the "stabilization energy" Δ and thus facilitates the detachment of the hydrogen atom. This effect is more pronounced the lower the electronegativity of the heteroatom X. "The authors thank Prof. Kh. S. Bagdasar'yan for his interest in the work and its evaluation." Orig. art. has: 3 tables and 7 formulas.

ASSOCIATION: Fiziko-khimicheskiy institut. im. L. Ya. Karpova (Physical chemistry institute)

SUBMITTED: 03Mar64

ENCL: 00

SUB CODE: 00, 00

NO REF SOV: 006

OTHER: 003

Card 2/2 *cc*

PANKRAT'YEV, S.F.; PISKUN, S.A.; ZENINA, M.V.; LEBEDEV, N.N., inzh., red.;
PAKHOMOVA, M.A., red.izd-va; BOROVNEV, N.K., tekhn.red.

[Electrician-operator in the construction industry] Elektromonter-
ekspluatatsionnik na stroitel'stve. Pod red. N.N.Lebedeva. Izd.4.,
dop. i perer. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i
stroit.materialam, 1958. 322 p. (MIRA 12:4)
(Electric engineering--Handbooks, manuals, etc.)

PANKRAT'YEV, S.P.; ZEMINA, M.V.; PISKUN, S.A.; LEBKDEV, H.N., inzhener,
redaktor; UDOD, V.Ya. redaktor; SMOLYAKOVA, M.V., tekhnicheskiy
redaktor.

[Manual for the maintenance electrician in the building industry]
Spravochnik elektromontera-ekspluatatsionnika na stroitel'stve.
Pod red. N.N.Lebedeva. Iss. 3-e, dop. i perer. Moskva, Gos. iss-vo
lit-ry po stroit. i arkhiterture, 1955. 270 p. (MLRA 9:5)
(Electric engineering)

ca

Saris A Levin and A. Puzos. *Kosovos. (1941)*
 Saris is a leather used in
 the Orient as an interlining for shoe uppers. A sample from
 China contained fat 22%, Al₂O₃ 5.2% at 180°C, H₂O 1.7% and
 had a breaking strength of 1.8 kg/cm². Saris prepared
 from calf skin by the Moscow Leather Trust contained
 fat 21%, Al₂O₃ 4.8% and had a breaking strength of 2.3
 kg/cm². The hide was soaked, limed and pickled as
 for chrome tanning. The final tanning was carried out in
 a drum by dissolving 8% chromic acid in 50% H₂O for 2
 hrs., adding 8% alum and 20% H₂O and continuing the
 tanning for 3 hrs. at 18-20°C. The product was dyed
 in the spent tanning mill by adding tannin 1 g per l.
 vacuum solution at 10°C, drumming for 30 min., introducing
 20% malachite green and drumming for another 30 min.
 The leather was then dried and polished, moistened on
 the grain side with a wet cloth, stacked and pressed at 1.5
 atm. at a temp. not in excess of 50°C, placed in chambers
 heated to 50°C and sprayed with a mixt. of paraffin wax
 1 and spindle oil 2 parts. The above fat mixt.
 or 40% was heated to 80°C before spraying. The leather
 was taken out of the chambers after 5 min., cooled and
 polished. A. A. Boshtingk.

PISKUN, V.

Meeting of members of collective farm and state farm health stations.
Zdrav. Belor. 6 no.8:78 Ag '60. (MIRA 13:9)
(WHITE RUSSIA--PUBLIC HEALTH)

FISH, V.

On the way seminar of penitentiary. Zary. vol. 9 no. 11
1973. (U.S.A. 1973)
(FILE A 105-111551)

PISKUN, V.

Conference of the Moldechno Committee of the Medical Workers
Trade Unions. Strav.Bel. P. no. 2:68-69 F. 161. (MIRA 14.11)
(MEDICAL SOCIETIES)

PISKUN, V.

Province meeting of midwives. Zdrav. Belor 5 no.2:67-68 p 159.
(MOLODECHNO PROV/DICE--OBSTETRICS) (MIRA 12:7)

P. SKUN V I
TOVPENETS, Ye.S., kandidat tekhnicheskikh nauk; PISKUN, V.I., inzhener;
SHLEPCHENKO, L.B., inzhener; GULYACHENKO, P.P., inzhener; LEONOV, L.I.,
inzhener; POTAPOV, I.F., inzhener.

Improving the quality of the cutting teeth of cutting machines
and of combined mining machines. Ugol' 29 no.10:23-26 0 '54.(MLRA 7:11)

1. Donetskii industrial'nyy inatitut (for Tovpenets & Piskun) 2. Kras-
noluchskiy mashinostroitel'nyy zavod (for Shlepchenko, Gulyachenko &
Leonov) 3. Kombinat Stalinugol' (for Potapov)
(Coal--Mining machinery)

SECRET

CONFIDENTIAL - SECURITY INFORMATION - UNCLASSIFIED

PISKUN, V.M.

Water-balancing investigations in the drainage system in
the Maritime Territory. Sbor. nauch. rab DVNIIS no.1:161-
178 '61. (MIRA 16:11)

TOVPENETS Ye.S.; PISKUN, V.T.; KATENBERG, A.R.

Effect of the conditions of cooling on the mechanical properties
of rolled bulb-angle strip made of 4S and SKhL-4 steels. Izv.vys.
ucheb.zav.; chern.met. no.4:114-118 '61. (MIRA 14:4)

1. Donetskii industrial'nyy institut i Stalinskiy metallurgicheskii
zavod.

(Rolling (Metalwork)) (Steel--Heat treatment)

137 58-4-8344

Translation from: *Rezhimnyy Zhurnal Metalurgiya*, 1955, No. 4, pp. 18-21, 18SSP

AUTHOR Piskun, V. I.

TITLE Selection of Steel for Cutting Teeth Vybór stal' dlya rezi-
chikh zubov

PERIODICAL *Ugol' Ukrainy*, 1955, No. 9, pp. 18-21

ABSTRACT Mine tests were made to study the effect of the grade of steel and heat treatment on the resistance to wear of the cutting teeth of coal cutting machines made of UTA, 6KbS, EKS, OEKS, EKh, and E-350 steels. The best results were shown by 6KbS steel after oil quenching and tempering at 350-450°C to R40-45.

Исследования проводились в шахте. --Материалы.--Тестирование сталей на износостойкость. --Аппликации.

Card 1 1

PISKUN, V. T.

PISKUN, V. T. : "Increasing the stability of the cutting teeth of mowing machines and combines by heat-treatment and welding". Stalin, 1955. Min Higher Education Ukrainian SSR. Donetsk Order of Labor Red Banner Industrial Institute imeni N. S. Khrushchev. (Dissertation for the Degree of Candidate of Technical Sciences).

SO: Knizhnaya Letopis No. 46, 12 November 1955. Moscow

SECRET

1. The following information was obtained from a source who has provided reliable information in the past.

2. The source has provided information that is of a sensitive nature and its disclosure could be of significant value to the enemy.

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S/006/60/000/06/19/025
B007/B005

AUTHOR: Piskun, Ya. K.

TITLE: Planning of Topographic Work in a Geological Administration

PERIODICAL: Geodeziya i kartografiya, 1960, No. 6, pp. 63 - 66

TEXT: A group of experienced topographers was formed at the geological administrations to carry out planning work. The work to be done by this group is described, and illustrated by an example. Project and estimate checked by the head of the respective geological administration are submitted to the otдел gosudarstvennogo nadzora (Department of State Inspection) of GUGK for final approval and authorization of topographic work. There are 2 tables and 1 Soviet reference.

Card 1/1

FLICKENBERG, I.

(Business accounting on collective farms) Khoziaistven-
nyi raschet v kolkhozakh. Kishinev, Izd-vo sel'khoz.
literatury MPZSKhP MSSR, 1962. 126 p. (MIRA 16:11
(Collective farms--Accounting))

[The text in this section is extremely faint and illegible. It appears to be a list or a set of notes, possibly containing names and dates, but the characters are too light to transcribe accurately.]

PISKUNKOVA, M.M.

Case of carotid sinus syndrome. Kaz.med.zhur. no.5:50-52 8-0
'62. (MIRA 16:4)

1. Pervaya kafedra terapii (zav. - prof. L.M.Rakhlin)
Kazanskogo gosudarstvennogo instituta dlya usovershenstvovaniya
vrachey imeni V.I.Lenina.
(CAROTID SINUS--DISEASES)

PISKUNOV, A., kapitan

The power of party influence. Komm.Voeruzh.Sil 2 no.1:51-59
Jan 62. (MIRA 14:12

(Military maneuvers)

PISKUNOV, A.A., kand.tokhn.nauk; MARKOV, B.L., kand.tokhn.nauk

Heating circular cross section ingots in holding furnaces with
slide tubes. Stal' 23 no.5:474-476 My '63. (MIRA 16:5)

1. Chelyabinskiy nauchno-issledovatel'skiy institut metallurgii.
(Steel ingots) (Furnaces, Heating)

[Faint, mostly illegible text, possibly a document or report]

Metallurgiya,

[Faint text and symbols, including a horizontal line and various characters]

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MARKOV, B.L.; PISKUNOV, A.A.; VOLKOVA, G.A.

Investigating the flow of gases in holding furnaces.

[Sbor. trud. Nauch.-issl.inst.met. no.4:119-127 '61.

(MIRA 15:11)

(Furnaces, Heating)

(Gas flow)

GLINKOV, M.A., prof., doktor tekhn.nauk; PISKUNOV, A.A., inzh.

Modeling radiant heat exchanges in industrial furnaces by means of
light. Izv.vys.uchet.zav.; Chern.met. no.11:65-76 '58.

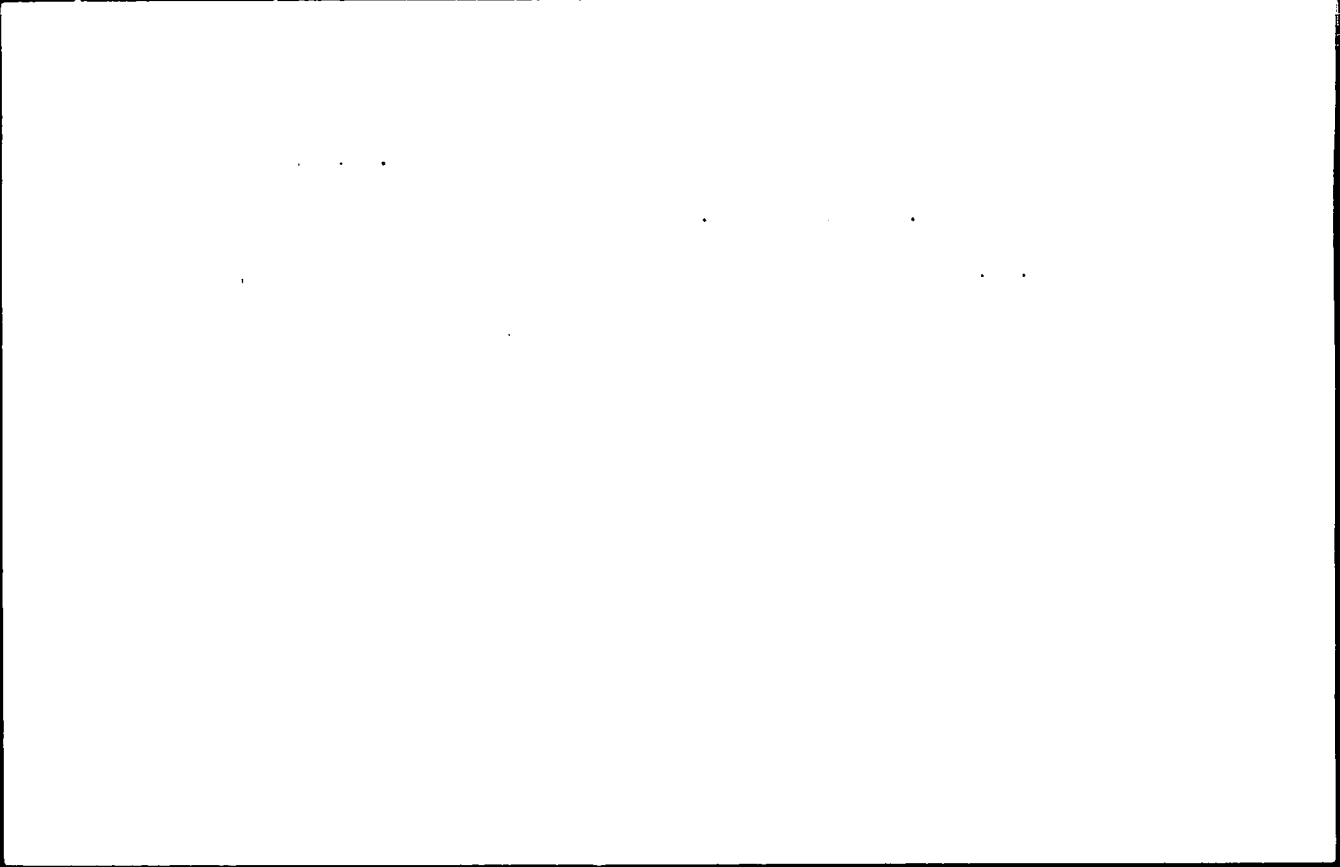
(MIRA 12:1)

1. Moskovskiy institut stali. Rekomendovano kafedroy metallurgiches-
kikh pechey.

(Metallurgical furnaces) (Heat--Transmission)
(Engineering models)

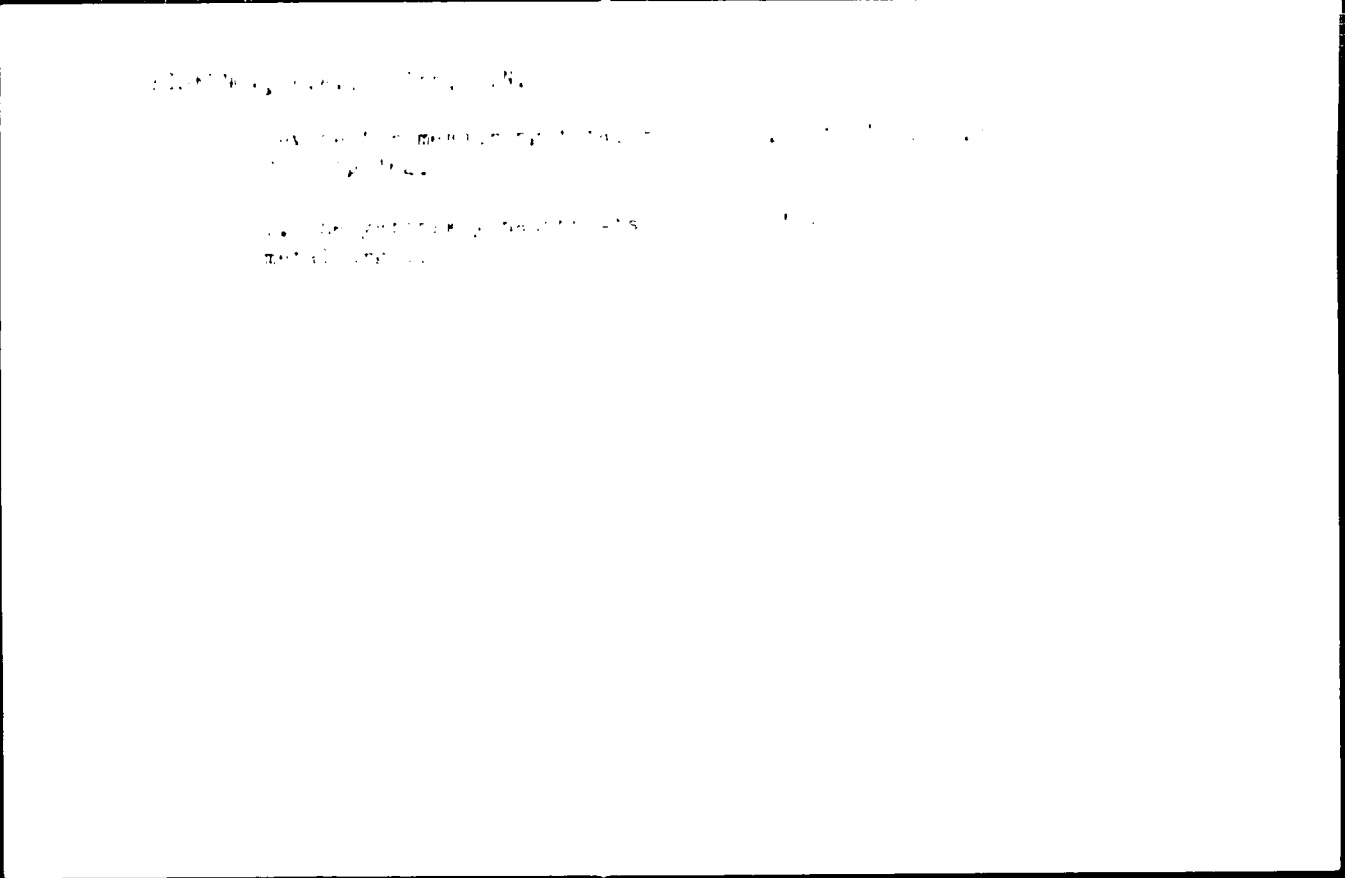
"APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R001341



APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R0013411



SHISHKOV, L.K.; PISKUNKOV, A.P.

Some problems affecting the calculation of hydrogen-containing
systems. Nek. vop. inzh. fiz. no.4:14-33 '63. (MIRA 16:3)
(Nuclear reactors)

PISKUNOV A. I.

Apparatus for the Magnetic Control of Track Pins. A. I. Piskunov. (Kavkazskaya Laboratoriya, 1948, vol. 13, Feb. p. 233) [in Russian]. A compact apparatus is described in which the quality of track pins can be rapidly tested by measurement of reactive force.

Magnetization by the Method of Rolling in Magnetic Detectors. A. I. Piskunov. (Kavkazskaya Laboratoriya, 1948, vol. 13, Feb. p. 237) [in Russian]. The use of an electric current to magnetize magnetic detectors is described. This method is particularly suitable for the inspection of track pins. The magnetic field is applied over the surface of the detectors by means of a roller.

ABB 1111 METALLURGICAL LITERATURE CLASSIFICATION

PISKUNOV, A. I.

BERENOV, D.I.; PETUKHOV, P.Z., doktor tekhnicheskikh nauk, retsentsent;
ZHEZHKO, V.S., inzhener, retsentsent; PISKUNOV, A.I., inzhener, redaktor.

[Calculating the endurance of machines; method of calculating length of
service] Raschet mashin na prochnost'; metod rascheta na dolgovechnost'.
Sverdlovsk, Gos. nauchno-tekhn. izd-vo mashinostroit. i sudostroit.
lit-ry [Urals-Sibirskoe otd-nie] 1953. 108 p. (MLRA 7:6)
(Metals--Testing) (Machinery--Design)

ACCESSION NR: AP4041032

S/0120/64/000/003/0123/0125

AUTHOR: Potapov, V. K.; Arsent'yev, A. G.; Kazakevich, V. Ye.;
Piskunov, A. K.; Chishevskaya, N. N.

TITLE: Automatic recording of ionization curves

SOURCE: Pribory* i tekhnika eksperimenta, no. 3, 1964, 123-125

TOPIC TAGS: spectrometer, mass spectrometer, MKh-1303 mass spectrometer,
ionization curve recording

ABSTRACT: A device for automatic recording of ionization curves (up to one minute) in an MKh-1303 mass spectrometer is described. The ion-source electron gun generates 5-30-ev electrons for ionizing gases or vapors. The ionization and ion-extraction processes are time-separated. Resonance amplification of the ion current corresponding to the electron ionization with a specified energy scatter, synchronous detecting, and the direct recording of ionization

Cord 1/2

ACCESSION NR: AP4041032

curves provided a higher sensitivity and accuracy of the mass spectrometer in measuring ion-appearance potentials; also, the speed of taking ionization curves was increased compared to the known manual method of "quasi-monokinization" of electrons. Orig. art. has: 3 figures.

ASSOCIATION: Nauchno-issledovatel'skiy fiziko-khimicheskiy institut (Scientific Research Physico-Chemical Institute)

SUBMITTED: 05Jun63

ENCL: 00

SUB CODE: OC, QP

NO REF SOV: 003

OTHER: 002

Card 2/2

KOZLOV, Yu.I.; MUROMTSFV, V.I.; FISKUNOV, A.K.; SHIGORIN, I.N., OLFROVA, G.A.,
VERFYN, N.V.

Formation of radicals via the triplet state in the ultraviolet
irradiation of frozen solutions of aromatic molecules. Zhur.
fiz. khim. 37 no.12:2800-2802 L 1961. (MIRA 17:1)

1. Fiziko-khimicheskiy institut imeni Karpova.

PISKUNOV, A. K.

Piskunov, A. K., Temperaturnye rezonansnyye ustroystva (Temperature Resonance Devices)
Tr. Taganrogsk. radiotekhn. in-ta (Works of the Taganrog Radio Engineering Institute),
No 2, 1957, p 27-30; (KZheozn 1957-1961)

24 (3)

AUTHORS:

Piskunov, A. K., Manenkov, A. A.,
Bagdasar'yan, Z. A.

SOV/56-37-1-49/64

TITLE:

Paramagnetic Resonance in Potassium Ozonide (Paramagnitnyy rezonans v ozonide kaliya)

PERIODICAL:

Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1959, Vol 37, Nr 1, pp 302 - 304 (USSR)

ABSTRACT:

Kazarnovskiy, Nikol'skiy and Abletsova (Ref 1) assumed that the magnetism of KO_3 is caused by the O_3^- -ion and that the latter has the character of a free radical with unsaturated valence. The authors of the present "Letter to the Editor" investigated these conditions by employing the method of paramagnetic electron resonance. Polycrystalline samples containing $\sim 90\%$ KO_3 were investigated at the frequencies of 2580, 9375, 12,000 and 37,000 megacycles, at room temperature, as well as at the temperature of liquid nitrogen. In the case of the first 3 experimental frequencies, an absorption line of symmetrical shape was in each case obtained, which had half-widths of 31 ± 3 , 39 ± 2 , and 45 ± 3 G respectively; at 37,000 megacycles, however, an asymmetric line (see figure) with a width of ~ 77 G (at room temperature) was

Card 1/3

Paramagnetic Resonance in Potassium Ozonide

SCV/56-37-1-43/64

found. The asymmetry indicates an anisotropy of the g -factor. For parallel and perpendicular orientation respectively of the crystal with respect to the direction of the external magnetic field, $g_{\parallel} = 2.005 \pm 0.003$ and $g_{\perp} = 2.012 \pm 0.002$ was found respectively. In the following, the contributions made by spin-lattice-, magnetic dipole-, and spin-spin exchange interaction is discussed. By means of the same method other authors (Ref 4) investigated also NaO_3 ; at $\lambda = 1.25$ cm they found a weak asymmetry of the line, and the value of the g -factor determined by them agrees within the error limits with that found here for KO_3 , which confirms the assumption that in ozonides the binding of the metal with the O_3 group has ion character. The authors also investigated the spontaneous decay of KO_3 at a temperature of 295°K by means of diphenylpicrylhydrazyl as a standard. It was found that the KO_3 -decay developed approximately according to an exponential law (time constant $0.02/\text{hour}$). The authors finally thank D. N. Shigorin and S. D. Kaytmazov for their help in carrying out the experiments and for discussing the results. There

Card 2/3

Paramagnetic Resonance in Potassium Ozonide

SCV/56-37-1-49/64

are 1 figure and 4 references, 3 of which are Soviet.

ASSOCIATION: Fiziko-khimicheskiy institut im. L. Ya. Karpova (Physico-chemical Institute imeni L. Ya. Karpev)

SUBMITTED: March 4, 1959

Card 3/3

RC426

S/11/4/1
3000/5/17

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1526 1960

AUTHORS

Asaf JPV I Y. Baskin A. E.

TITLE

Dehydration reaction of iron(II) chloride
with potassium amide

PERIODICAL

Vysokomol. Soedin. Ser. B
1: 1741

TEXT: The authors wanted to obtain iron(II) chloride
and for this purpose they treated iron(II) chloride
> 100°C with potassium amide in N₂ atmosphere
temperature. The product was a black powder
exhibited electron paramagnetic resonance at 100°C
crease and red coloring were observed when air was
stand in the air. The compound exhibited a
the black powder yields a readily paramagnetic
in the air and which is paramagnetic
the part of this compound.

1960/2

85426

Dehydrochlorination of Polyvinyl Chloride
by a Solution of Potassium Amide in
Liquid Ammonia

S. M. ...
P. S. ...

Potassium amide renders liquid ammonia a
strong base. It reacts with A. I. Shostakovskii and
P. S. ...

S. M. ...

CA: 1. /:

MULTI... V.I.; HIST... Y, A.H.

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AUTHORS:

Piskunov, A. K., Shigorin, D. N.,
Smirnova, V. I., Stepanov, B. I

S/020/60/130/06/029,059
BC04/BC07

TITLE:

The Electron Paramagnetic Resonance ¹ Spectra of Some Chelate
Compounds of Copper

PERIODICAL:

Doklady Akademii nauk SSSR, 1960, Vol 130, Nr 6, pp 1264 - 1287
(USSR)

ABSTRACT:

The authors investigated the e.p.r. spectra of the chelate compounds of copper with various azo-compounds as well as with the enol-form of acetylacetone and acetoacetic ester. Measurement of the magnetic moments showed that copper forms the compound with two valence electrons. If the initial state of the Cu-atom is d^{9sp} , it must have an unpaired electron. As, e.g., copper forms four equivalent bonds with acetylacetonate, it is presumed to enter into direct interaction with the π -electrons of the entire system. An investigation was carried out with the purpose of finding out whether the unpaired electron of the metal remains localized on the Cu-atom or whether it is delocalized in the molecule. Table 1 gives the experimental data of the compounds investigated; The width ΔH of the line

Card 1/3

57-98

The Electron Paramagnetic Resonance Spectra of
Some Chelate Compounds of Copper

S/020/60/130/06/029/059
B004/B007

for 9370 mc, the g -factors, and the magnetic moments. In the acetylacetonate of Cu ΔH decreases considerably when substituents (O=C-CR or Cl) are introduced. In the azo-compounds of copper, which are still richer in π -electrons, ΔH becomes still more contracted. Substitution by chlorine also causes contraction. The increase in π -electrons is found to lead to a contraction of the absorption line. Here, chlorine in ortho position exerts the strongest influence. The authors arrive at the conclusion that the unpaired electron enters into interaction with the π -electrons of the azo group, and by way of this group indirectly with the π -electrons of the entire system. This interaction was confirmed by analysis of the e.p.r. spectra of the compounds dissolved in benzene, chloroform, or dioxane (Fig 1). Their intensity depends on the nature and structure of the complex group. There are 1 figure, 1 table, and 5 references, 2 of which are Soviet

ASSOCIATION: Nauchno-issledovatel'skiy fiziko-khimicheskiy institut im.
L. Ya. Karpova (Scientific Research Institute of Physical
Card 2/3 Chemistry imeni L. Ya. Karpov). Moskovskiy khimiko-tekhnolo-

The Electron Paramagnetic Resonance Spectra of
Some Chelate Compounds of Copper

S/020/60/130/06/029/059
BC04/B007

gicheskii institut im. D. I. Mendeleeva (Moscow Chemical-
technological Institute imeni D. I. Mendeleev)

PRESENTED: August 18, 1959 by V. A. Kargin, Academician

SUBMITTED: August 15, 1959

Card 3/3

3,1710 (1041,1126,1127)
6.4700

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S/109/61/006/003/015/018
E140/E135

AUTHORS: Piskunov, A.K., and Muromtsev, V. I.

TITLE: The Influence of Signal Generator Frequency
Fluctuations on the Sensitivity of Radio Telescopes
With Transit and Reflex Resonators

PERIODICAL: Radiotekhnika i elektronika, 1961, Vol.6 No. 3,
pp 437-443

TEXT: This article compares the signal-noise ratios at the
input to a receiver in the cases of transit and reflex resonators.
The signal is taken as the variation in amplitude of the traveling
or reflected wave caused by paramagnetic absorption. The work
constitutes an extension of earlier published work (Ref.1) and the
authors' own previous work (Ref.2). A general analysis shows that
the magnitude of the signal in the reflex circuit is greater than
that in the transit circuit by a factor of 4. In neither circuit
is matching critical. Variation of the reflection factor between
0 and 0.1 leads to a signal reduction of not more than 1%. Under
optimal matching conditions and identical amplitudes of the
incident wave the high-frequency magnetic field intensity
Card 1/3

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E140/E135

The Influence of Signal Generator Frequency Fluctuations on the Sensitivity of Radio Telescopes With Transit and Reflex Resonators in the transit resonator is $\sqrt{2}$ times as small as in the reflex resonator and therefore the intensity of paramagnetic absorption in the transit resonator is half. Passing to the question of the effects of frequency instability under the assumption of constant amplitude the authors distinguish between fluctuations due to causes of principle and those due to technical reasons (Ref.3). Technical causes can be power supply instability, flicker effect, microphonic effects. Considering only the case where the mean frequency of the generator is equal to or very close to the natural frequency of the resonator, while the frequency fluctuation dispersion does not exceed 50 kcs, while the spectrum of frequency instability extends from 0 to 20 kcs, the authors apply the method of instantaneous frequency. The results are applicable to spectrosopes with magnetic field modulation in the audio range. The preliminary analysis shows that the root-mean-square deviation of amplitude fluctuations for the travelling wave are proportional to the incident wave amplitude. At exact tuning the root-mean-
Card 2/3

21660

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E140/E135

The Influence of Signal Generator Frequency Fluctuations on the Sensitivity of Radio Telescopes With Transit and Reflex Resonators

square deviation is proportional to the square of the ratio of root-mean-square frequency deviation to the half-width of the resonator curve. With detuning, the root-mean-square amplitude fluctuations of the travelling wave are proportional to the ratio of mean-square frequency deviation to the half-width of the resonant curve. Similar relations are obtained for the reflex resonator except that the coefficient of reflection enters into the expressions. To increase the sensitivity of radiospectroscopes it is necessary to decrease the magnitude of frequency noise. This requires the highest possible stability of the signal generator (reduction of the frequency fluctuation dispersion) and an appropriate choice of tuning and matching elements in the waveguide channels. The frequency noises in the transit circuit are approximately two orders of magnitude less than those in the reflex circuit which is particularly important. ✓

There are 3 figures and 7 references: 4 Soviet and 3 non-Soviet.

SUBMITTED June 30 1960

Card 3/3

MUROMTSEV, V.I.; PISKUNOV, A.K.; SAFRONOV, S.N.

Using the method of the integration of a signal derivative in recording electronic absorption lines. Prib.i tekhn.eksp. 6 no.5:112-114, S-0 '61. (MIRA 14:10)

1. Nauchno-issledovatel'skiy fiziko-khimicheskiy institut.
(Electronic analog computers)

PISKUNOV, A.E.; SHIGORIN, D.N.; STEPANOV, B.I.; KLINSHPONT, E.R.

Paramagnetic resonance of solutions of certain oxazo copper compounds. Dokl. AN SSSR 136 no.4:871-874 F '61. (MIRA 14:1)

1. Fiziko-khimicheskiy institut imeni L.Ya. Karpova i Moskovskiy khimiko-tekhnologicheskiy institut imeni D.I. Mendeleyeva.
Predstavleno akademikom V.A. Karginym.
(Copper compounds—Spectra)