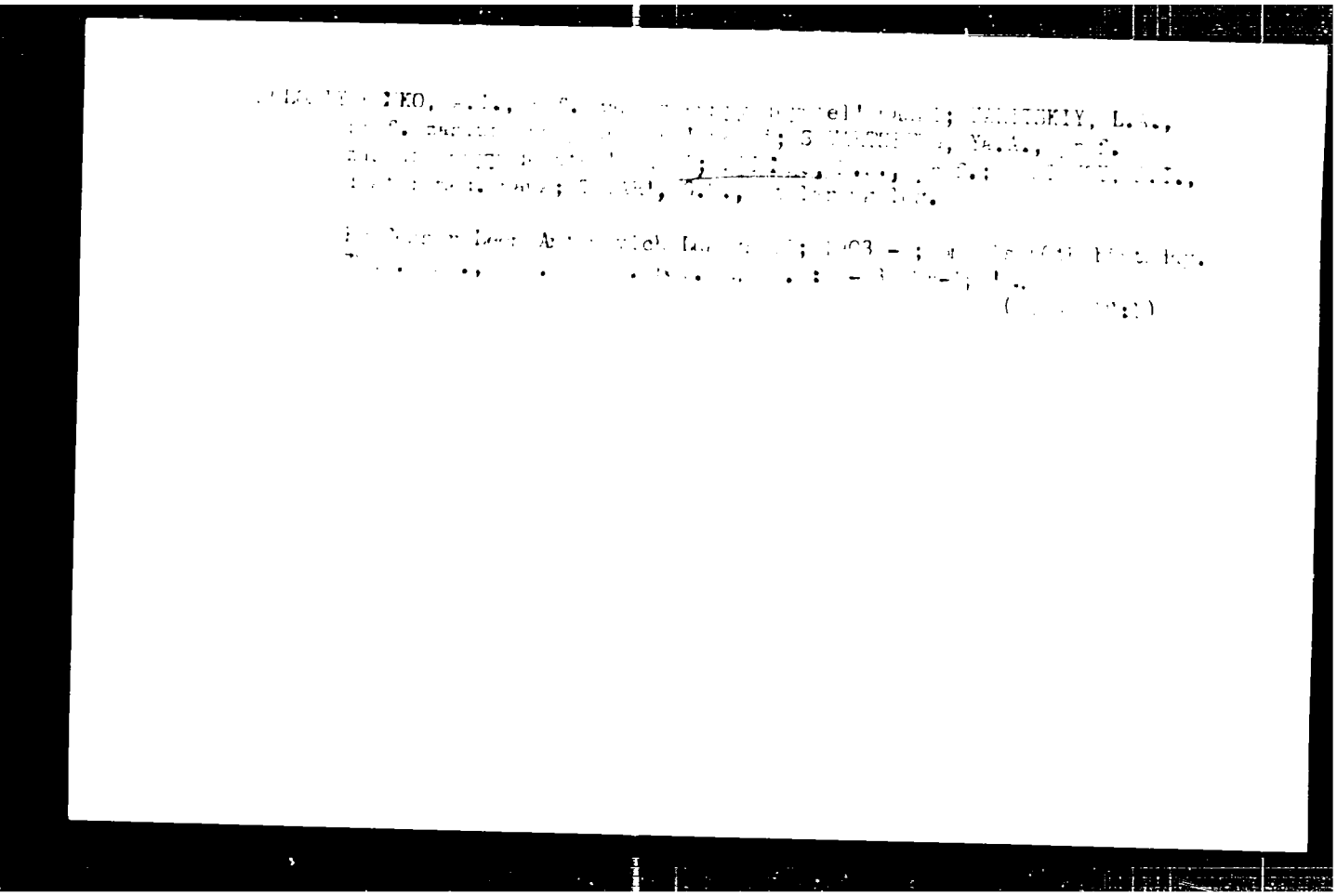
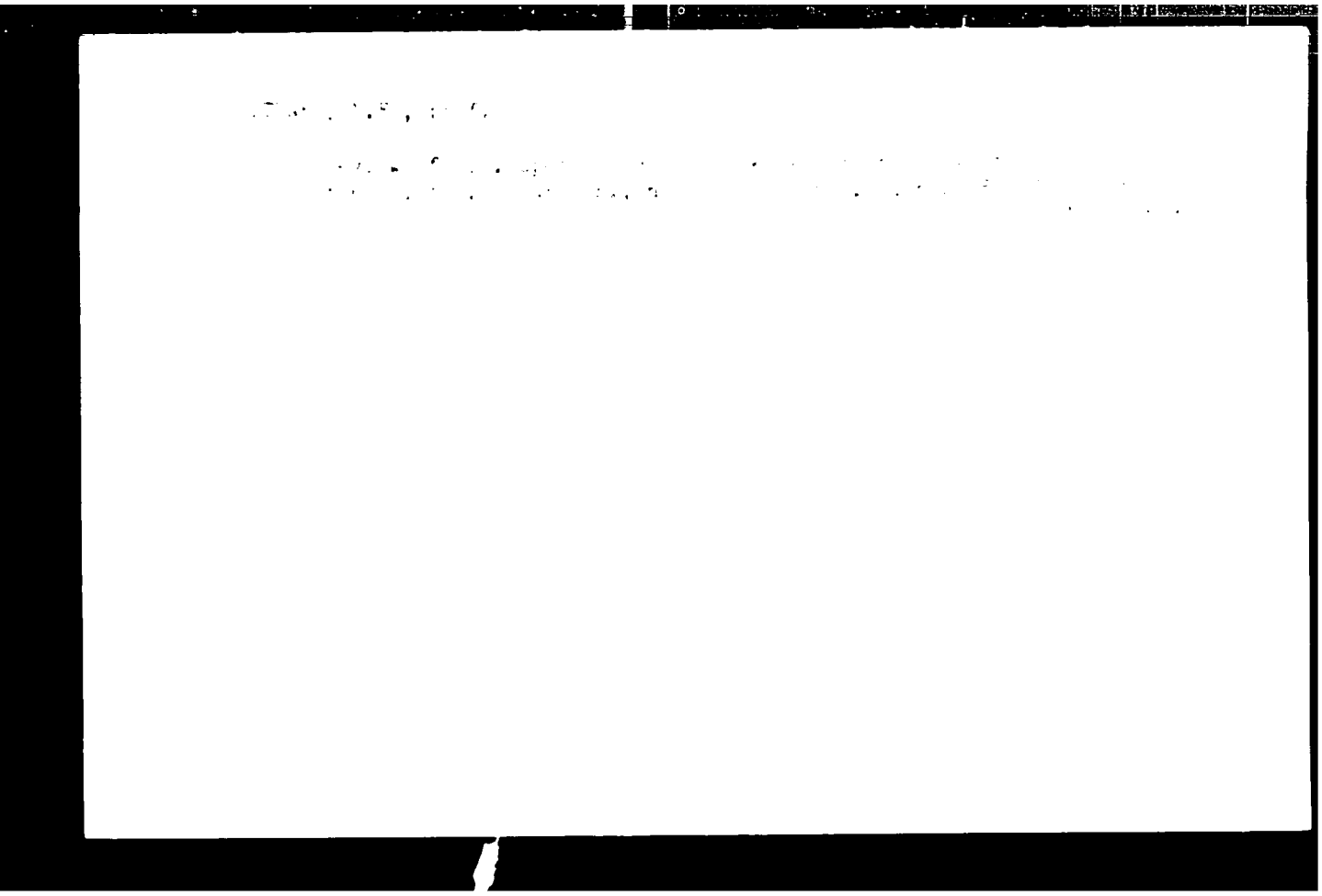
On the basis of the examinations, a number of measures with a view toward improving hygienic-sanitary conditions at the shop and protecting of the workers' health are recommended. Among them are (1) the exclusion from employment in the shop of persons who may be susceptible to diseases of the upper respiratory tract, (2) proper ventilation, (3) the installation of facilities for drawing off the gases directly from the baths, (4) organized periodic washing of the mouth during work hours, and the application of vaseline to nasal mucous membrane before work begins, and (5) organized systematic inspection of the air in the shop.

PITENKO, N.F., dotsent

Upper respiratory tract changes in underground workers of Sadon polymetallic mines [with summary in English]. Vest.oto-rin. 19 no.2: 31-36 Mr-Ap '57. (MLRA 10:6)

1. Iz kafedry bolezney ukha, gorla i nosa (zav. - dotsent N.F. Pitenko) Severo-Osetinskogo meditsinskogo instituta i patologoanatomicheskogo otdeleniya (zav. - prof. P.P.Dvishkov) Instituta gigiyeny truda i profzabolevaniy Akademii meditsinskikh nauk SSSR.
(SILICOSIS
in underground workers of polymetallic mines in Russia (Rus))





PITENKO, N.F., [illegible]

Review of L. A. Zaritskii's book "Diseases of the ear, nose, and throat." Zhur. [illegible] 8C N-D [illegible]
(MIRA [illegible])

(OTORHINOLARYNGOLOGY)
(ZARITSKIY, L. A.)

PITENKO, N.F., prof.

Effect of silicon dust of various composition on the mucous membrane of the upper respiratory tract and lung tissue. Zhur.ush. nos. i gorl. bol. 23 no.2:52-56 Mr-Ap'63.(MIRA 16:8)

1. Iz Nauchno-issledovatel'skogo instituta otolaringologii Ministerstva zdravookhraneniya UkrSSR (direktor - zasluzhennyy deyatel' nauki prof. A.I.Kolomiychenko).
(DUST—PHYSIOLOGICAL EFFECT) (RESPIRATORY ORGANS—DISEASES)
(ALKALIES—PHYSIOLOGICAL EFFECT)

PITENKO, N.F., prof.

"Occupational diseases of the upper respiratory tract and the organ of hearing" by G.S.Trambitskii and A.E.Tamarina. Reviewed by N.F.Pitenko. Zhur.ush., nos. i gorl.bol. 22 no.2:88-90 Mr-Ap '62. (MIRA 15:11)

(RESPIRATORY ORGANS—DISEASES)
(OCCUPATIONAL DISEASES) (EAR—DISEASES)
(TRAMBITSKII, G.S.)(TAMARINA,A.E.)

PITENKO, N.F.

Boris IAkovlevich Cherniavskii. Vest.otorin. no.6:116 '61.
(MIRA 15:1)
(CHERNIAVSKII, BORIS IAKOVLEVICH, 1871-1961)

PITENKO, N.F., doktor med.nauk; CHERNYANOV, G.G.; SABANOV, S.V.

Angina incidence among miners of the Sadonsk ore deposits. Zhur. ush. nos. i gorl. bol. 21 no.4:61-63 Jl-Ag '61. (MIRA 15:1)

1. Iz kliniki bolezney ukha, gorla i nosa (zav. - doktor med.nauk N.F.Pitenko) Severo-Osetinskogo meditsinskogo instituta.
(SADONSK--MINERS--DISEASES AND HYGIENE)
(THROAT--DISEASES)

PITENKO, N.F. (Ordzhonikidze).

Filtering function of the nose in silicosis; experimental study. Gig. truda i prof. zab. 2 no.6:56-58 N-D '58 (MIRA 11:12)

1. Klinika ukha, gorla, nosa Severo-Osetinskogo meditsinskogo instituta i patologoanatomicheskoye otdeleniye Instituta gigiyeny truda i profzabolevaniy AMN SSSR.
(NOSE)
(LUNGS--DUST DISEASES)

Sec.11 Vol.10/11 Oto-Rhino-Laryngo Nov57

PITENKO V.F.

2026. PITENKO N. F. Ordjonikidze. "Changes in the upper respiratory tract in underground workers of the Sadon polymetallic mines (Russian text) VESTN. OTO RINO-LARING. 1957 2 5-10

Extensive observation and examination of a large group of underground workers of the polymetallic mines revealed some specific lesions in the mucous membrane of the upper respiratory tract, caused by silicic dust. Clinical observations and experimental investigations proved that the development of silicosis closely depends on the state of the antidust defensive reaction of the upper respiratory tract. Some measures are recommended for the preservation of the defensive reaction of the upper respiratory tract against dust and also for decrease of silicosis among underground workers.

PITENKO, N.F., dotsent (Ordzhonikidze)

Foreign bodies of the nasopharynx. Vrach.delo no.11:1205 N '56.
(MLRA 10:3)

1. Klinika ukha, gorla, nosa (zaveduyushchiy - dotsent N.F. Pitenko) Severno-osetinskogo meditsinskogo instituta.
(NASOPHARYNX--FOREIGN BODIES)

PITENKO, N.F., dotsent

Upper respiratory tract changes in underground workers of Sadon polymetallic mines [with summary in English]. Vest.oto-rin. 19 no.2: 31-36 Mr-Ap '57. (MLRA 10:6)

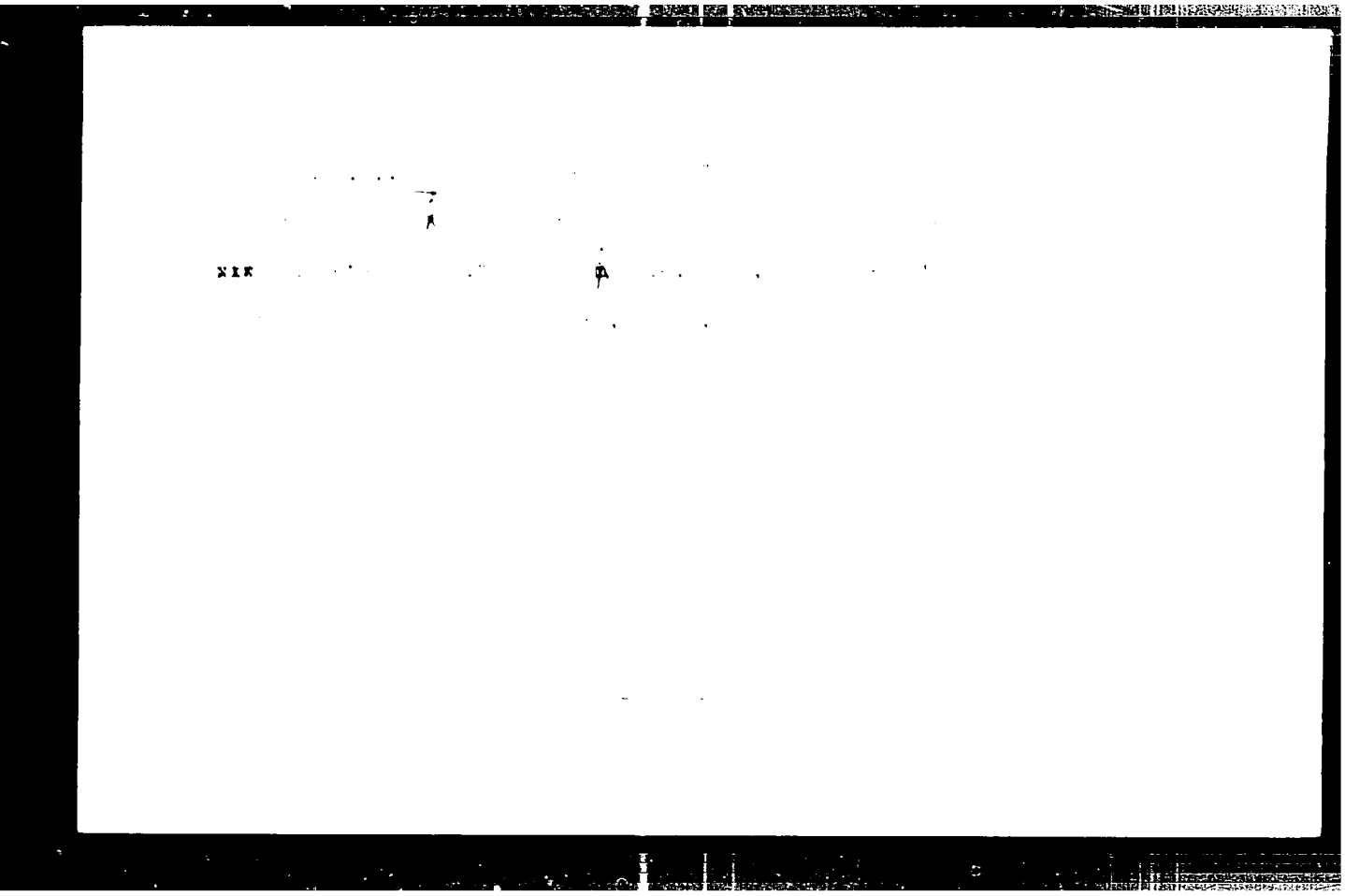
1. Iz kafedry bolezney ukha, gorla i nosa (zav. - dotsent N.F. Pitenko) Sever-Osetinskogo meditsinskogo instituta i patologoanatomicheskogo otdeleniya (zav. - prof. P.P.Dvishkov) Instituta gigiyeny truda i profzabolevaniy Akademii meditsinskikh nauk SSSR.
(SILICOSIS
in underground workers of polymetallic mines in Russia (Rus))

PITENKO, N.F., dotsent; SHUTOV, A.I., klinicheskiy ordinator; ZAMALOVA, R.I., klinicheskiy ordinator; IONESYAN, A.S., klinicheskiy ordinator

Condition of the upper respiratory tract in workers of the electrolytic shop of the "Electrotsink" plant. Gig. i san. 21 no.12:48-49 D '56. (MLRA 10:1)

1. Iz kliniki bolezney ukha, gorla i nosa Severo-Osetinskogo meditsinskogo instituta.

(SULFURIC ACID, inj. eff.
upper resp. tract dis. in zinc factory workers)
(ZINC, inj. eff.
zinc sulphate, causing upper resp. tract dis. in zinc factory workers)
(NASAL CAVITY, dis.
caused by sulfuric acid & zinc sulphate in zinc factory workers)



KOLOMIYCHENKO, A.I., prof., laureat Leninskoy premii, zasl. deyatel' nauki, red.; LIKOVSKIY, L.A., prof., red.; ZAKHARIY, L.A., prof., zasl. deyatel' nauki, red.; PITENKO, M.F., prof., red.; GLALKOV, A.A., prof., red.; KUZ'MIN, I.A., prof., red.; MOSTOVOY, S.I., doktor med. nauk, red.; BARLYAK, ...A., prof., red.; SHIARENKO, E.A., dots., red.; ROZENGAUZ, I.Ye., dots., red.; KHARSHAK, B.M., dots., red.; CHERNOVA, I.A., kand.med. nauk, red.

[Current problems of clinical and experimental otolaryngology] Aktual'nye voprosy kliniko-eksperimental'noi otolaringologii. Kiev, Zdo...v'ia, 1964. 340 p. (MIRA 18:1)

1. Nauchno-issledovatel'skiy institut otolaringologii. 2. Otdel prof;atologii Nauchno-issledova...l'skogo instituta otolaringologii (for Pitenko).

[redacted] A.

"Men and machines."

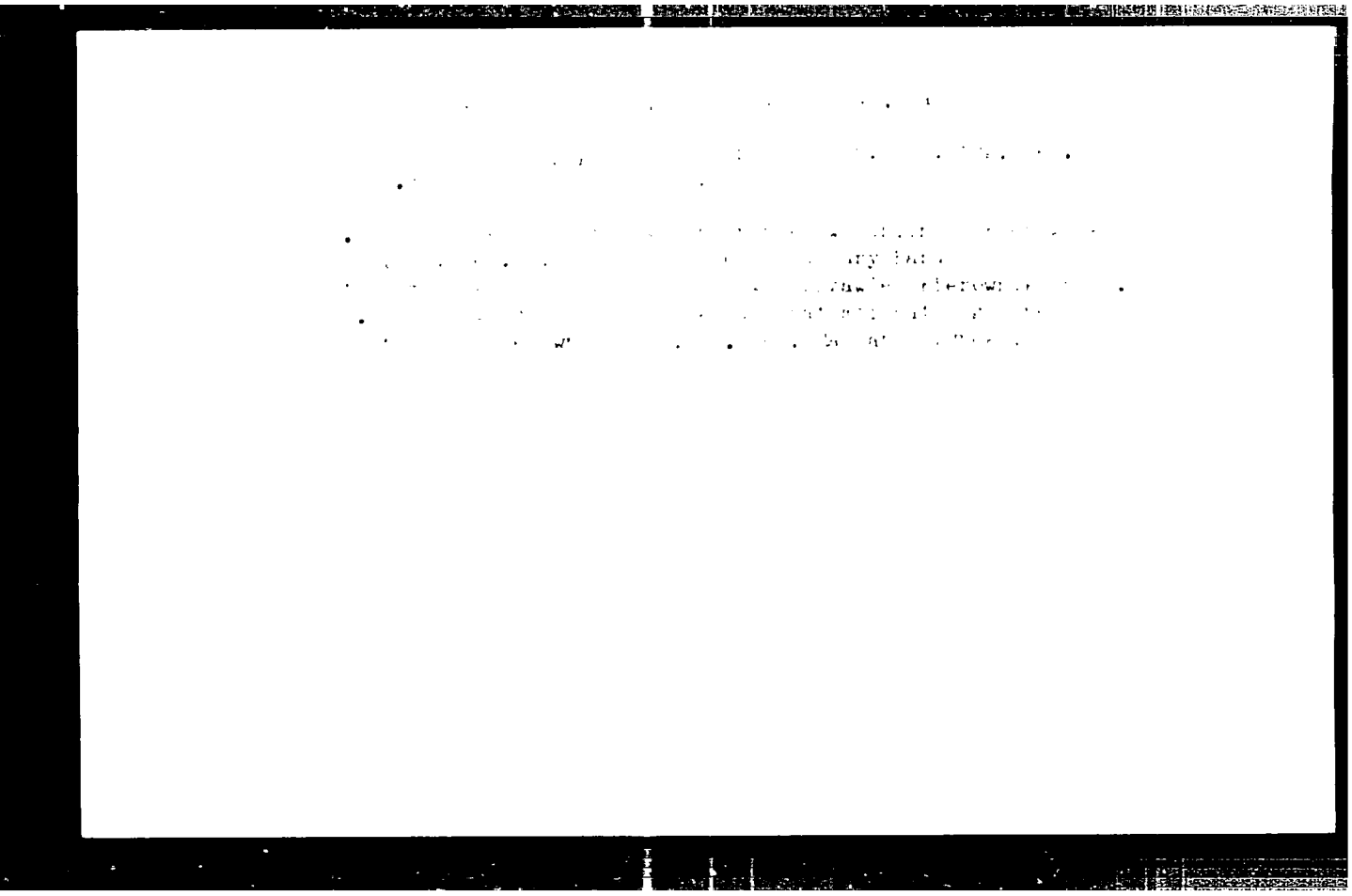
p. 5 (Drumul Belsugului) No. 9, Sept. 1957
Bucharest, Rumania

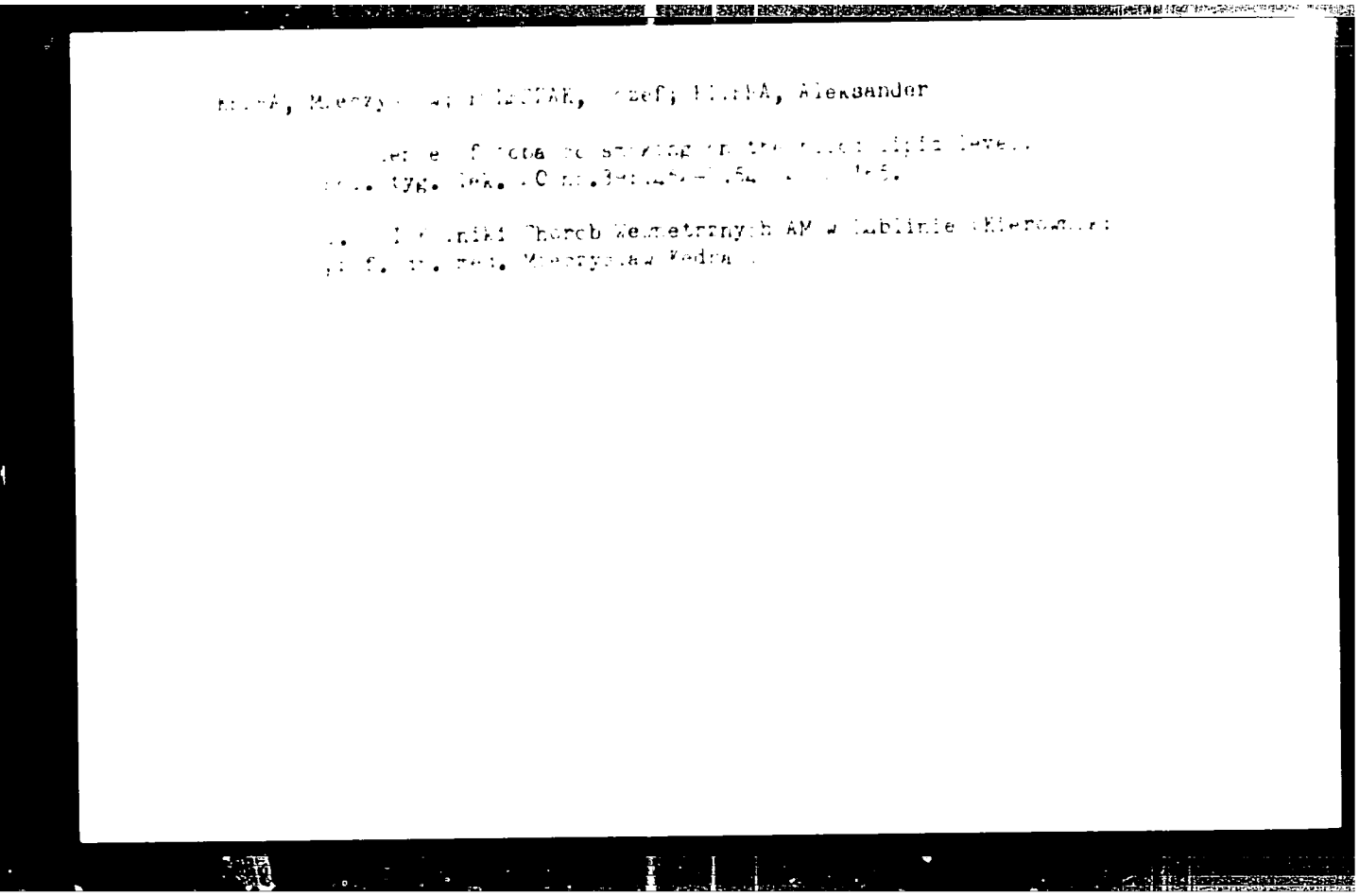
SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958

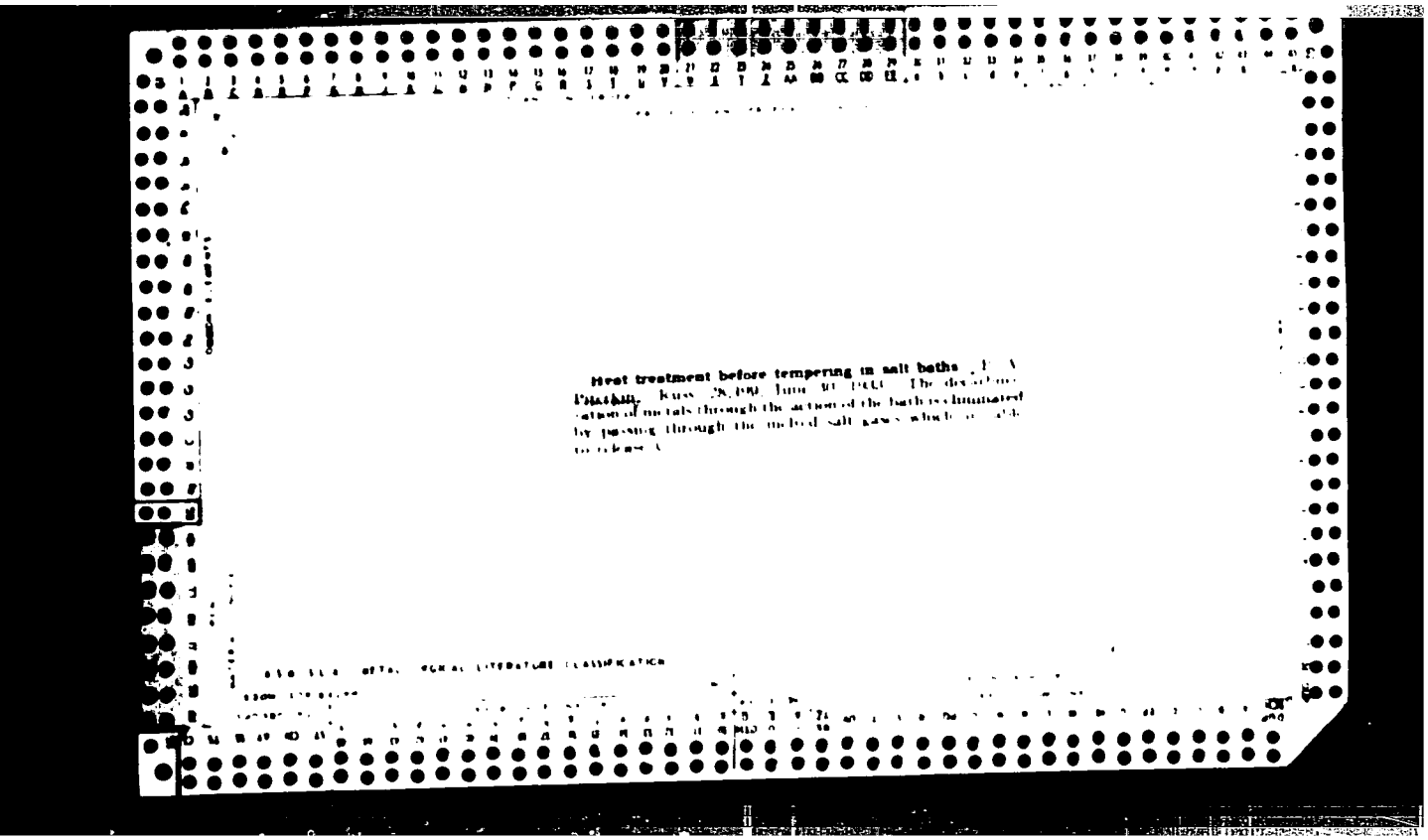
PITERA, Aleksander

Case of ass[illegible] [illegible] development[illegible] ma[illegible] [illegible] funnel chest, [illegible] [illegible]osis, ma[illegible] development [illegible] of the left hand. [illegible] no. 15 [illegible].

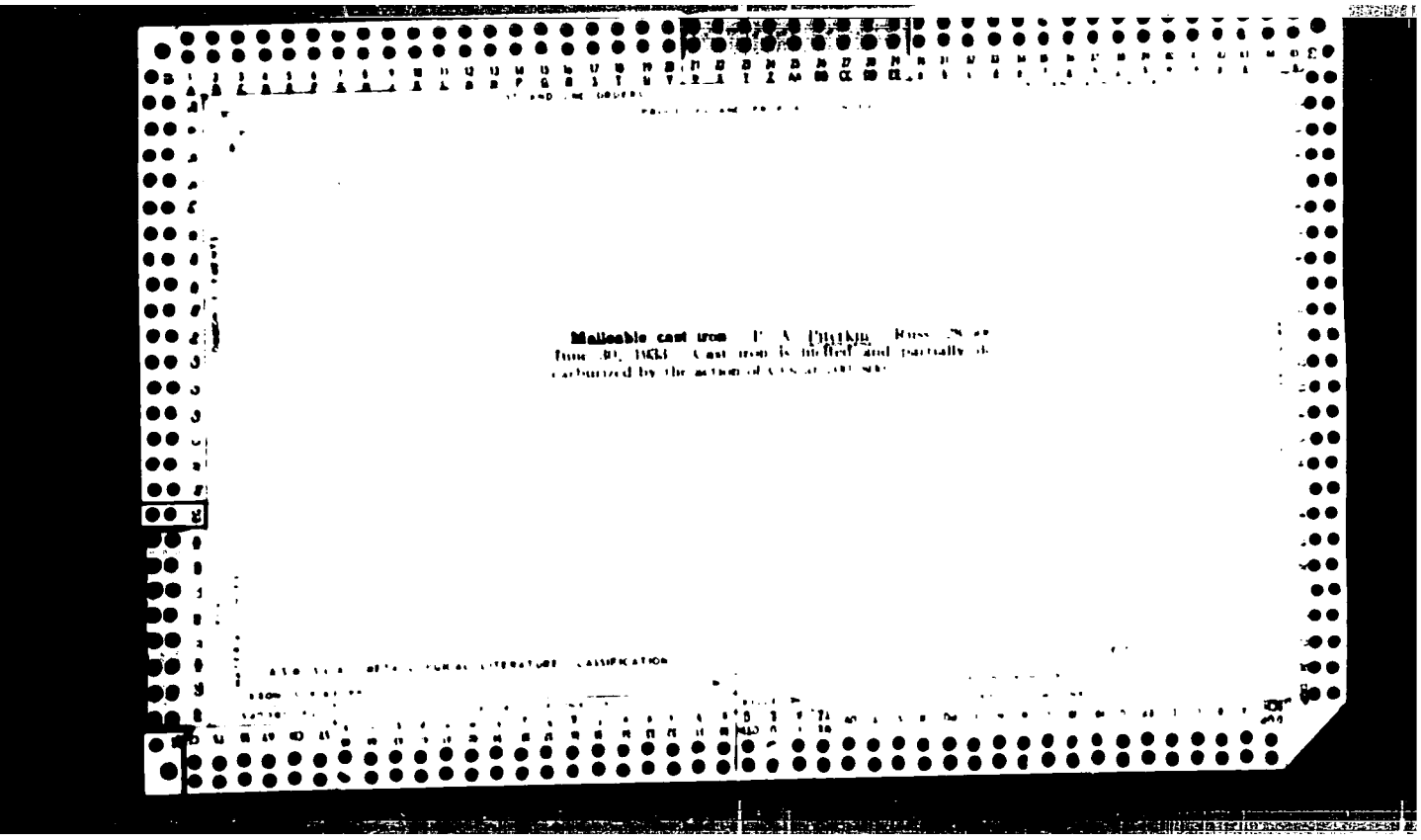
1. [illegible] Klinika [illegible] [illegible] [illegible]
prof. dr. med. Mieczyslaw [illegible].



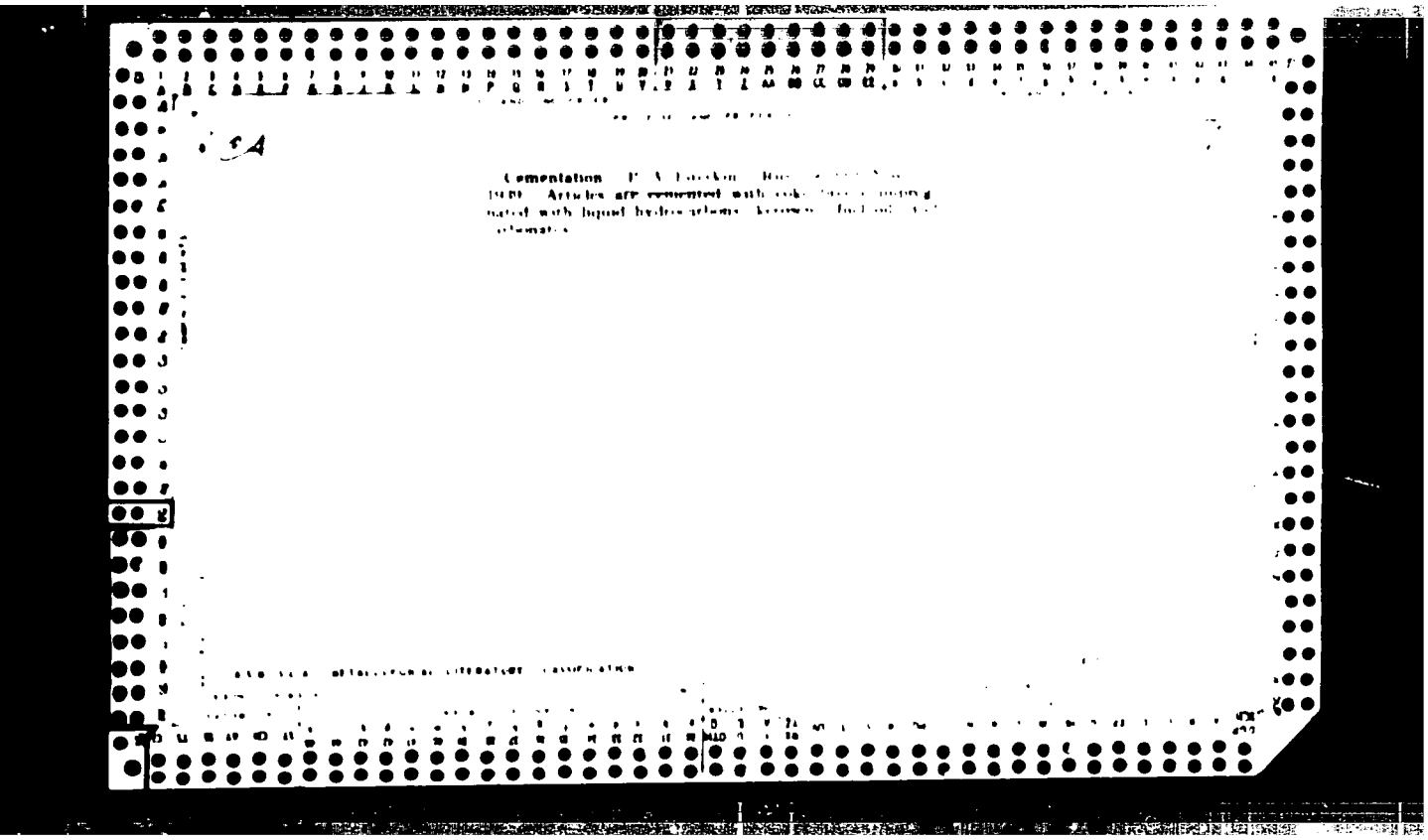


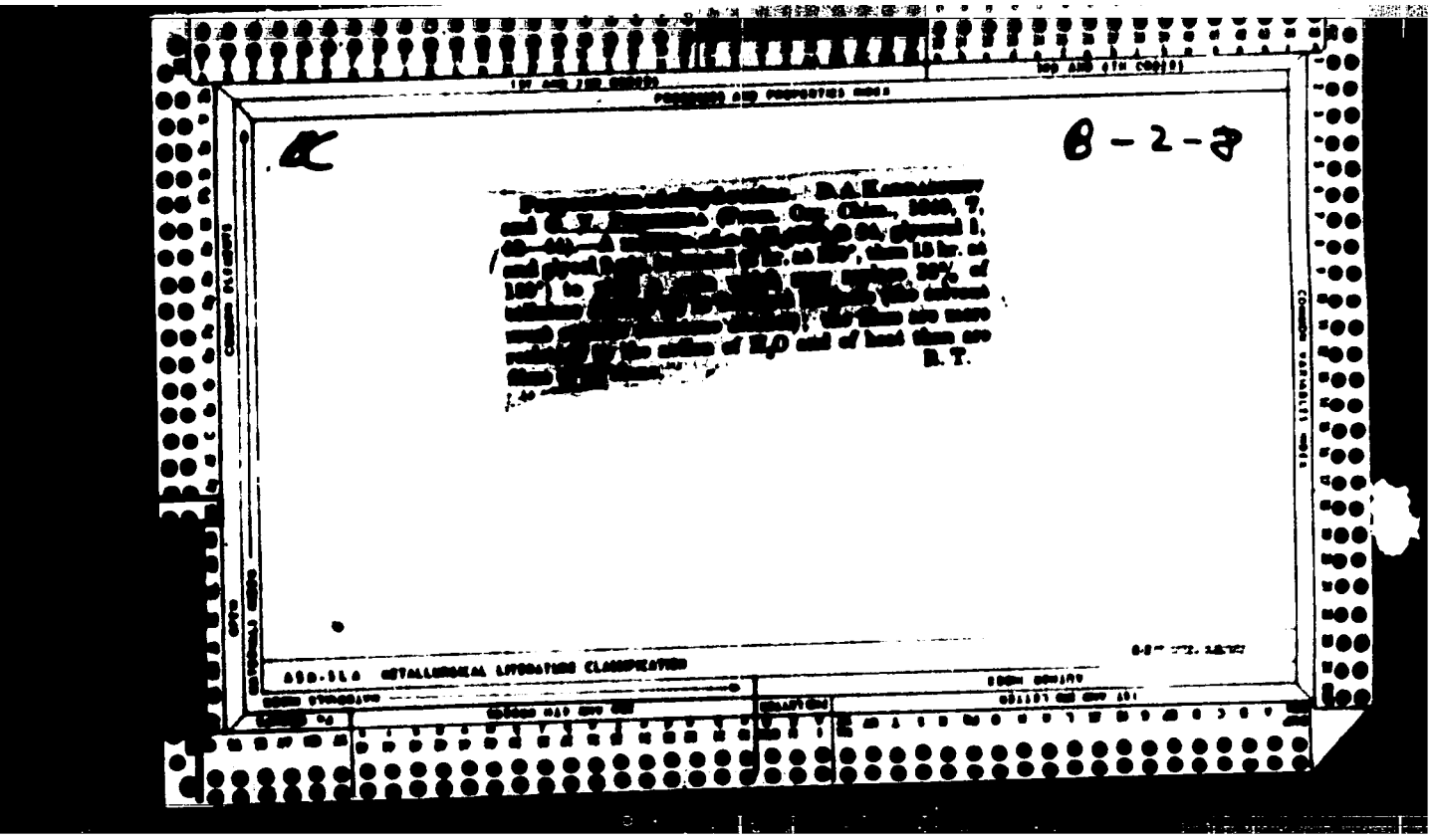


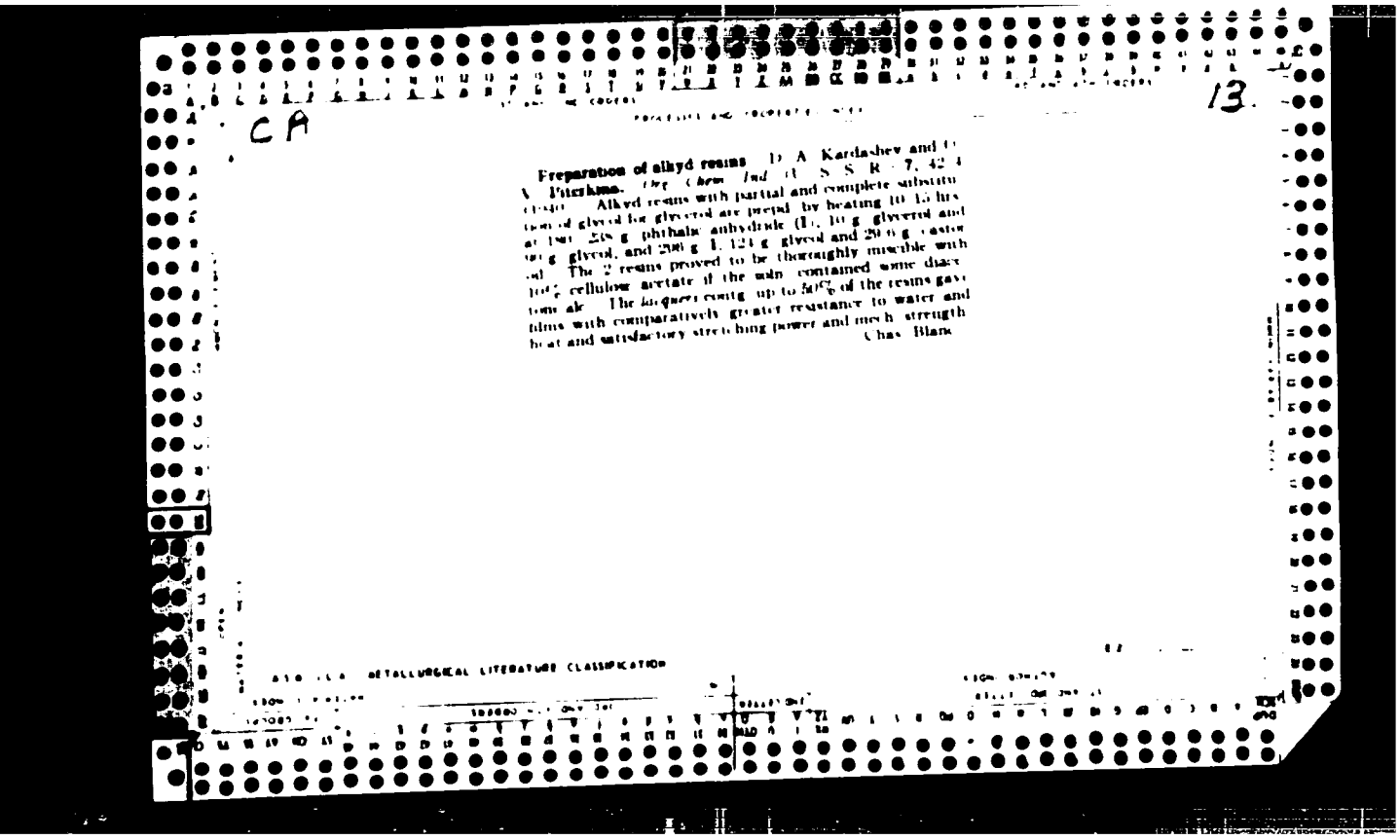
Heat treatment before tempering in salt baths



Malleable cast iron







CA

13.

Preparation of alkyd resins. D. A. Kardashev and [illegible] V. Petrushina. *Zhur. Khim. Ind.* (U. S. S. R.) 7, 42-4 [illegible]. Alkyd resins with partial and complete substitu[tion] of glycol for glycerol are prepd. by heating 10-15 hrs. at 180° 258 g. phthalic anhydride (I), 10 g. glycerol and [illegible] g. glycol, and 200 g. I, 124 g. glycol and 20 g. castor oil. The 2 resins proved to be thoroughly miscible with [illegible]% cellulose acetate if the soln. contained some diace[tone] alc. The lacquers contg. up to 50% of the resins gave films with comparatively greater resistance to water and heat and satisfactory stretching power and mech. strength. Chas. Blanc

A.S.T.M. METALLURGICAL LITERATURE CLASSIFICATION

PI.ERKIN, Vladimir Konstantinovich, brigadir; GUROV, S., red.;
KUZNETSOVA A., tekhn. red.

[Made at the volunteer design bureau] Sdelano v obshchestvennom konstruktorskom biuro. Moskva, Mosk. rabochii, 1962. 45 p.
(MIRA 15:11)

(Potato digger (Machine))

PITERMAN, A.I.

BTE-5/3 tower crane. Shakht.stroi. no.5:21-22 My '57. (MLRA 10:7)
(Cranes, derricks, etc.)

PITERMAN, M.A.

Determining the [illegible] magnitude. Dokl. AN SSSR [illegible]

1. Institut stroitel'stva i arkhitektury AN BSSR. Predstavlen akademikom AN BSSR F.P.Vinokurovym.
(Soil mechanics)

VINOKUROV, Fedor Petrovich; TETERKIN, Arkadiy Yefimovich; PITERMAN, Mark Aleksandrovich; TSYTOVICH, N.A., akademik, red.; BARABANOVA, Ye., red. izd-va; VOLOKHANOVICH, I., tekhn. red.

[Structural properties of peat soils]Stroitel'nye svoistva torfianykh gruntov. Pod red. N.A.TSytovicha i F.P.Vinokurova. Minsk, Izd-vo Akad. nauk BSSR, 1962. 282 p. (MIRA 16:3)

1. Akademiya stroitel'stva i arkhitektury SSSR, Chlen-korrespondent Akademii nauk SSSR (for TSytovich).
(Peat soils) (Soil mechanics)

FITERMAN, M.A.

Effect of structural characteristics on the deformation of peat
Dokl. AN BSSR 6 no.3:185-188 Mr '62 (MIRA 15:3)

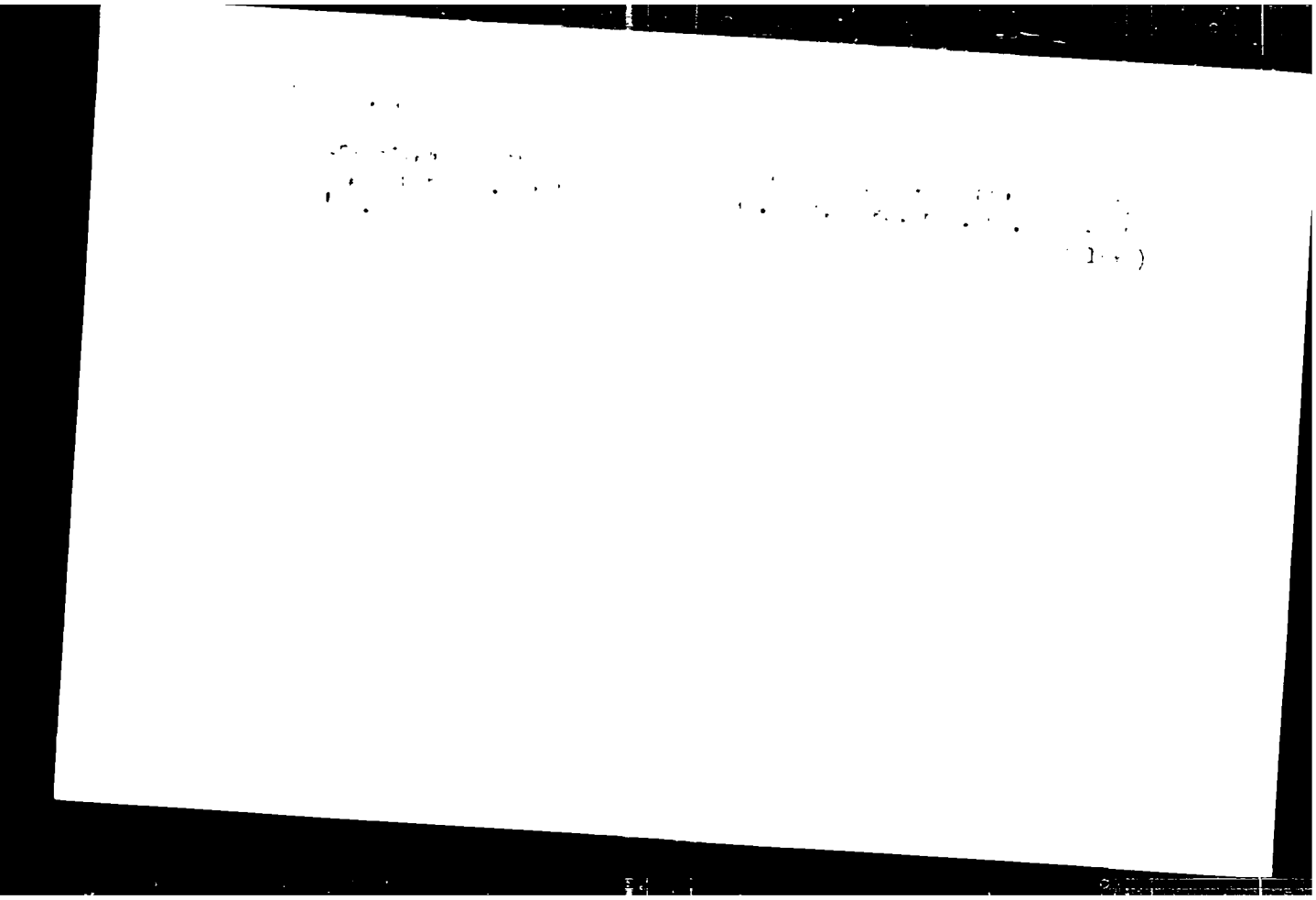
1. Institut vodnykh problem AN BSSR. Predstavleno akademikom AN BSSR F.P.Vinokurovym.
(Peat) (Soil mechanics)

VINOKUROV, F.P., prof.; TETERKIN, A.Ye., kand.tekhn.nauk; PITERMAN, M.A., inzh.; TSYTOVICH, N.A., prof., red.; BARABANOVA, Ye., red.izd-va; VOLOKHANOVICH, I., tekhn.red.

[Peat in construction] Torf v stroitel'stve. Pod red. F.P.Vinokurova i N.A.TSytovicha. Minsk, Izd-vo Akad.nauk BSSR, 1959. 241 p. (MIRA 14:1)

1. Deystvitel'nyye chleny Akademii stroitel'stva i arkhitektury SSSR (for Vinokurov, TSytovich). 2. Chlen-korrespondent AN SSSR (for TSytovich).

(Peat)



ARTAMONOV, Mikhail Dmitriyevich; MIKHAYLOVSKIY, Yuriy Vsevolodovich; POZNYAKOV, V.P., inzhener, retsenzent; GATSKEVICH, V.A., inzhener, retsenzent; SOLOV'YEV, N.S., redaktor; PITERMAN, M.L., redaktor; KOLESNIKOVA, A.P., tekhnicheskiy redaktor; [illegible], R.S., tekhnicheskiy redaktor

[Mechanical traction for lumber transportation roads] Mekhanicheskaia tiaga lesovoznykh dorog. Moskva, Goslesbumizdat, 1954. 406 p. (MLRA 8:4)
(Lumbering--Transportation) (Transportation)

RAKHMANOV, Sergey Ivanovich; PITERMAN, Ye.A., redaktor; KARASIK, N.P., tekhnicheskiy redaktor

[Machines and equipment for lumbering] Mashiny i oborudovanie dlia lesorazrabotok. Moskva, Goslesbumizdat, 1955. 480 p.
(Lumbering--Machinery) (MLRA 9:3)

GROTT, J.W.; MARZEC, L.; GINKOWT-DZIWILL, W.; KORZON, J. [deceased]; PITLEROWA, R.; POSKUTA, W.; J.W.ZURKOWSKI.

Studies on the hazard of diabetes mellitus in 100 obese and obesity-prone subjects over 40 years of age. I. Evaluation of the carbohydrate metabolism. Polarski tygod. lek. 16 no.41:1569-1573 9 O '61.

1. Z Osrodka Naukowo-Leczniczego w Busku-Zdroju oraz I Kliniki Chorób Wewnetrznych A.M. w Lodzi; kierownik: prof. dr nauk med. J.W.Grott.
(OBESITY compl) (DIABETES MELLITUS etiol)
(BLOOD SUGAR)

SERKOV, Vasiliy Vasil'yevich; PEREL'MUTER, N.M., redaktor; PITERMAN, Ye.L., redaktor; SHITS, V.P., tekhnicheskiy redaktor.

[Repair of three-phase asynchronous motors] Remont trekhfaznykh asinkhronnykh dvigatelei. Moskva, Goslesbumizdat, 1956. 106 p. (MLRA 9:5)
(Electric motors, Induction)

PITERSKAYA, A.M., nauchnyy sotrudnik

Bugs as pests of sunflower seeds. Zashch. rast. ot vred. i bol. 6 no.9:25-27 S '61. (MIRA 16:5)

1. Vsesoyuznyy institut maslichnykh i efiromaslichnykh kul'tur, Krasnodar.
(Krasnodar Territory--Sunflower seed--Diseases and pests)
(Krasnodar Territory--Heteroptera)

PITERSKAYA, A.M., nauchnyy sotrudnik

Preparation for treating sunflower seeds. Zashch. rast. ot vred. i bol. 7 no.2:27 F '62. (MIRA 15:12)

1. Vsesoyuznyy institut maslichnykh i efiromaslichnykh kul'tur, Krasnodar.
(Krasnodar Territory—Sunflower—Diseases and pests)
(Krasnodar Territory—Wireworms)

SEMIKHLENKO, Pavel Grigor'yevich, kand.sel'skokhoz.nauk; KLYUCHNIKOV, A.I., kand.sel'skokhoz.nauk; TOKAREV, T.M., kand.sel'skokhoz.nauk; YAGOLKINA, V.P.; PITERSKAYA, A.M.; ANTONOVA, M.M., red.; DEYEVA, V.M., tekhn.red.

[Sunflower cultivation] Kul'tura podsolnechnika. Moskva, Gos. izd-vo sel'khoz.lit-ry, 1960. 275 p. (MIRA 13:10)
(Sunflowers)

GOLOVANOVA, E.N., kand.biol.nauk, [illegible]; PITERSKAYA, A.M.; DERYABIN, V.I., nauchnyy sotrudnik; BALAYAN, L.N., nauchnyy sotrudnik; BURDA, Yu.N., nauchnyy sotrudnik

Controlling sparrows. Zashch. rast. ot vred. i bol. 8 no.9: 19-20 S '63. (MIRA 16:10)

1. Samarkandskaya oblastnaya sel'skokhozyaystvennaya opytnaya stantsiya (for Deryabin, Balayan, Burda).

USSR/General and Specialized Zoology - Insects. Harmful Insects and Acarids. Chemical Means in the Control of Harmful Insects and Acarids.

Abs Jour : Ref Zhur Biol., No 6, 1959, 25426

Author : Piterskaya, A.M.

Inst : The All-Union Scientific-Research Institute of Oil and Essential Oil Cultivations

Title : Application of Hexachloran in the Control of Pests of the Sunflower and Corn Sprouts

Orig Pub : V. Sb.: Kratkiy otchet o nauchno-issled. rabote Vses. n.-i. in-ta maslichn. i efiromas lichn. kul'tur za 1956 g Krasnodar, "Sov. Kuban" 1957, 192-194

Abstract : Sunflower seeds were sprayed with water (2.5-3.1/c), mixed carefully with 12% BHC and sowed by a nest sowing machine. Application of the dust (10-15 kg/c) protect the sunflower

Card 1/2

PITERSKAYA, I.V.; BAKHSHIYEV, N.G.

Quantitative study of the temperature dependence of absorption and fluorescence spectra of complex molecules in solutions. Izv. AN SSSR Ser. fiz. 27 no.5:623-627 My '63. (MIRA 16:6)

(Molecular spectra)

L 28351-66 EWP(j)/EWT(l)/EWT(m) IJP(c) RM
ACC NR: AP5027664 SOURCE CODE: UR/0051/65/019/005/0698/0708

AUTHOR: Bakhshiyev, N. G.; Piterskaya, I. V.

ORG: none

TITLE: Universal intermolecular reactions and their effect on the position of electron spectra of molecules in two-component solutions . X. Study of the absorption and fluorescence spectra of phthalamide in a wide temperature range (20-300C)

SOURCE: Optika i spektroskopiya, v. 19, no. 5, 1965, 698-708

TOPIC TAGS: intermolecular complex, electron spectrum, solution property, heat effect, fluorescence spectrum

ABSTRACT: The results are given of measuring at 20-300C the fluorescence spectra of six phthalamide compounds (4-amino; 3-amino; 3 monomethyl amino; 3,6-diamino; 3,6-diacetylamino; and 3,6-tetramethyldiaminophthalamides) dissolved in solvents variable chemical and physical properties (benzene, ethylacetate, isoamyl alcohol, acetone, anisole, carbon tetrachloride, pyridine, toluene, and dioxolane). A

UDC: 539.196.3

Card 1/2

L 28351-66
ACC NR: AP5027664

O

comparison was made of the experimental data with the theory advanced by the author on the effect of universal intermolecular reactions on the position of electron spectra of molecules in 2-component solutions. The experimental data were in good quantitative agreement with the theory; there is a complete parallelism between the dependence of the character of the spectra on the temperature on the one hand and the effect of various solvents at room temperature on the other hand. The effect of temperature on the position of the spectra is expressed through an alteration in the solvent properties, i.e. , by changes in the energy of the intermolecular reaction. Orig. art. has: 1 formula, 4 tables and 4 fig.

SUB CODE: 20/ SUBM DATE: 09Jun64/ ORIG REF: 020/ OTH REF: 006

Card 2/2 cc

L 36431-66 EWP(j)/EWT(l)/EWT(m) IJP(c) RM

ACC NR: AP6015420 SOURCE CODE: UR/0051/66/020/005/0783/0792

AUTHOR: Bakhshiyev, N. G.; Piterskaya, I. V.

ORG: none

TITLE: Universal intermolecular interactions and their effect on the position of electron spectra of molecules in two-component solutions. Part 12: Dependence of absorption and fluorescence spectra of phthalimide derivatives on temperature and the state of aggregation of the solvent (+20 to -196°C)

SOURCE: Optika i spektroskopiya, v. 20, no. 5, 1966, 783-792

TOPIC TAGS: absorption spectrum, fluorescence spectrum, electron spectrum, molecular interaction

ABSTRACT: Using the concept of the important part played by universal molecular interactions in the phenomenon of spectral shifts in solutions for any relative values of τ_r' (time of orientational relaxation of the molecules of the medium) and τ_φ (time spent by the molecule studied in the electronic state), the authors investigated the absorption and fluorescence spectra of a series of organic molecules in solutions between +20 and -196°C. This temperature range was chosen because any relative values of τ_r' and τ_φ (from $\tau_r' \ll \tau_\varphi$ to $\tau_r' \gg \tau_\varphi$) can be obtained in it. The compounds studied (4-amino, 3-amino, 3-monomethylamino-, 3-acetylamino, 3,6-diamino, 3,6-tetramethyldiamino-, and 3,6-diacetylaminophthalimide) had continuous fluorescence and ab-

Card 1/2 UDC: 539.196.3

L 36431-66

ACC NR: AP6015420

sorption spectra, and the solvents used were isobutyl, butyl and propyl alcohol, and glycerin. The results show that the important role of universal intermolecular interactions in the temperature shifts of electron spectra of molecules in solvents is confirmed in the low-temperature range as well. It is concluded that the theory (N. G. Bakhshiyev, Opt. i spektr., 16, 821, 1964) permits a satisfactory description of the influence of temperature and state of aggregation on the position of electron spectra of molecules in a temperature range reaching 450-500°C. Orig. art. has: 3 figures, 5 tables, and 2 formulas.

SUB CODE: 20/ 07/ SUBM DATE: 02Feb65/ ORIG REF: 034/ OTH REF: 007

Card 2/2

L 10061-63 EPF(c)/EWT(m)/BDS--Pr-4--RM/
RM/WAY

S/0048/63/027/005/0623/0627

ACCESSION NR: AP3000313

58
57

AUTHOR: Piterskaya, I. V.; Bakhshiyev, N. G.

TITLE: Quantitative investigation of the temperature dependence of the absorption and fluorescence spectra of complex molecules [Report: Eleventh Conference on Luminescence held in Minsk 10-15 Sept. 1962]

SOURCE: Izvestiya AN SSSR. Seriya fizicheskaya, v. 27 no. 5, 1963, 623-627

TOPIC TAGS: absorption of molecules, fluorescence of molecules, aminophthalimides, molecular interaction

ABSTRACT: In an earlier paper one of the authors, Bakhshiyev, N. G. (Opt. i Spektr., 10, 717, 1961) proposed a simple but general theory describing the influence on the electronic spectra of molecules in liquid two-component solutions of universal intermolecular interactions of the orientation, induction, dispersion and dynamic types. The key equation characterizes the frequency shift in going from vapor to solution as a function of the dielectric constant, index of refraction and other parameters of the emitting and solvent molecules.

Card 1/2

L 10161-63
ACCESSION NR: AP3000313

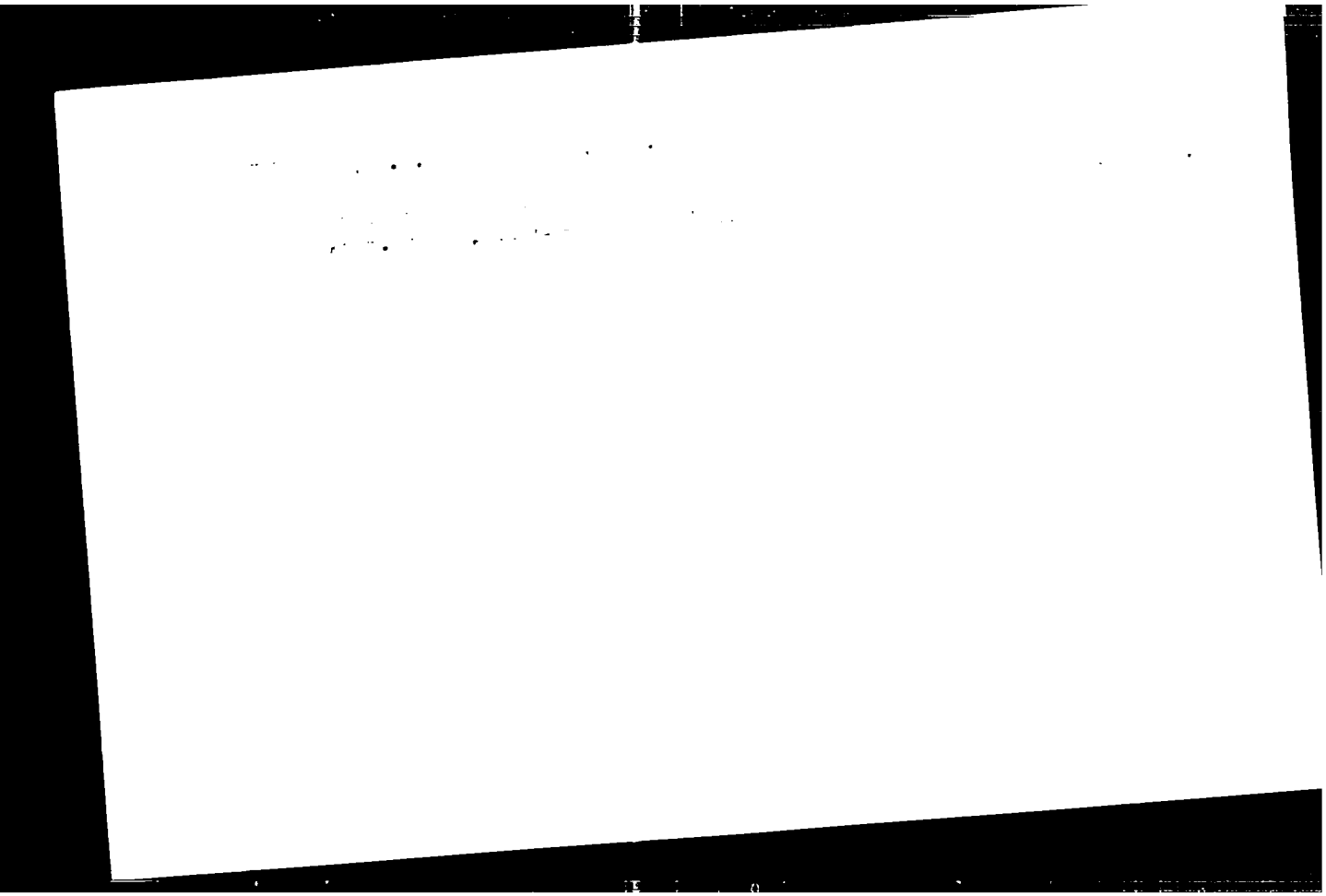
The present work is devoted to application of the Bakhshiyev theory to interpretation of experimental results as regards temperature dependent frequency shifts. The investigated compounds were 4-amino, 3-amino and 3,6-diaminophtalimides dissolved in benzene, ethyl acetate and isoamyl alchol. The absorption and fluorescence spectra were recorded at temperatures from 20 to 250-350°C on a modified SF-4 spectrophotometer (absorption) and a photoelectric spectrometer. The experimental data are presented in the form of curves and tables. While a detailed discussion of the experimental results will be published elsewhere, it is pointed out that in the case of mono- and diamine phthalimide derivatives the effect of temperature on the absorption and fluorescence spectra is quantitatively predicted by the Bakhshiyev theory, which indicates that universal intermolecular interactions play a decisive role in the temperature behavior of the spectra of the investigated compounds in solutions. Orig. art. has: 3 equations, 2 figures and 2 tables.

ASSOCIATION: none

SUBMITTED: 00 DATE ACQ: 12Jun63 ENCL: 00

SUB CODE: PH NR REF SOV: 017 OTHER: 006

Card 2/2 PH/46



KASATKIN, A.G.; DYTNERSKIY, Yu.I.; PITERSKIKH, D.G.; MAUNG KHLA M'INT

Design of columns with tubular grid plates. Khim. prom. no.4:279-286 Ap '63. (MIRA 16:8)

1. Moskovskiy Ordena Lenina khimiko-tekhnologicheskiy institut im. Mendeleyeva.

PITERSKIKH, G.P.; VALASHEK, Ye.R.

Extraction in a turbulent stream. Khim.prom.no.1:35-41 Ja-F '56.
(Extraction apparatus) (MLRA 9:7)

Piterskikh, G. P.

3

1-4E4b

3408. Piterskikh, G. P., Friction and heat exchange in a turbulent flow (in Russian), Khim. prom-st no. 8, 480–485, 1954; Ref. Zh. Mekh. 1955, Rev. 3688.

Formulas are derived for determining the friction and heat transfer in a turbulent flow in a straight, smooth tube. It is assumed that the nondimensional coefficient of turbulent mixing is a particular exponential function of the nondimensional distance with an exponential index varying from 4 to 3 with increasing distance from the wall. The resulting relationship contains two experimental constants, $x = 0.4$ and $x_1 = 2.58$, found by comparison of the calculated and the experimental velocity profiles. The equation for the friction agrees well with the familiar Prandtl formula. The expression for the coefficient of heat transfer has the form

$$\alpha = 0.111 c_p \bar{v} \rho \sqrt{\xi/P^{[illegible]}}$$

c_p heat capacity, $\bar{v}$ mean velocity, ρ density, ξ frictional coefficient, P Prandtl number. A comparison is made with experimental data and other formulas, showing the superiority of the expression derived above for large ($10^{[illegible]} - 10^{[illegible]}$) values of the Prandtl number.

V. S. Avduevskii, USSR

Courtesy Referativnyi Zhurnal

Translation, courtesy Ministry of Supply, England

SOV

AUTHORS: Fitorsakin, I. I., Doctor of Technical Sciences,
Andreyev, A. I.

TITLE: The Laws Governing the ... of Minerals ... Suspensions in Hydrocyclones (... mineralov v tyazhelykh suspenziyakh v gidrotsiklonakh)

PERIODICAL: Khimicheskaya promyshlennost', 19.., Nr ., pp ...- SOV

ABSTRACT: If operating conditions are carefully selected it is possible to separate minerals which differ in density by ... according to the method referred to in the title. ... reason why the method is rarely used is that the theory of the process has not yet been sufficiently studied and developed. The mineral grains move in the suspension of the ... compound and trajectories are described by them which depend on the density and velocity of the suspension as well as on the density and size of the grains. In the present ... investigations were carried out with an aqueous suspension of magnetite. The density and distribution of grain sizes of the suspension samples were determined. ... was used for measuring the transverse velocities of the suspension.

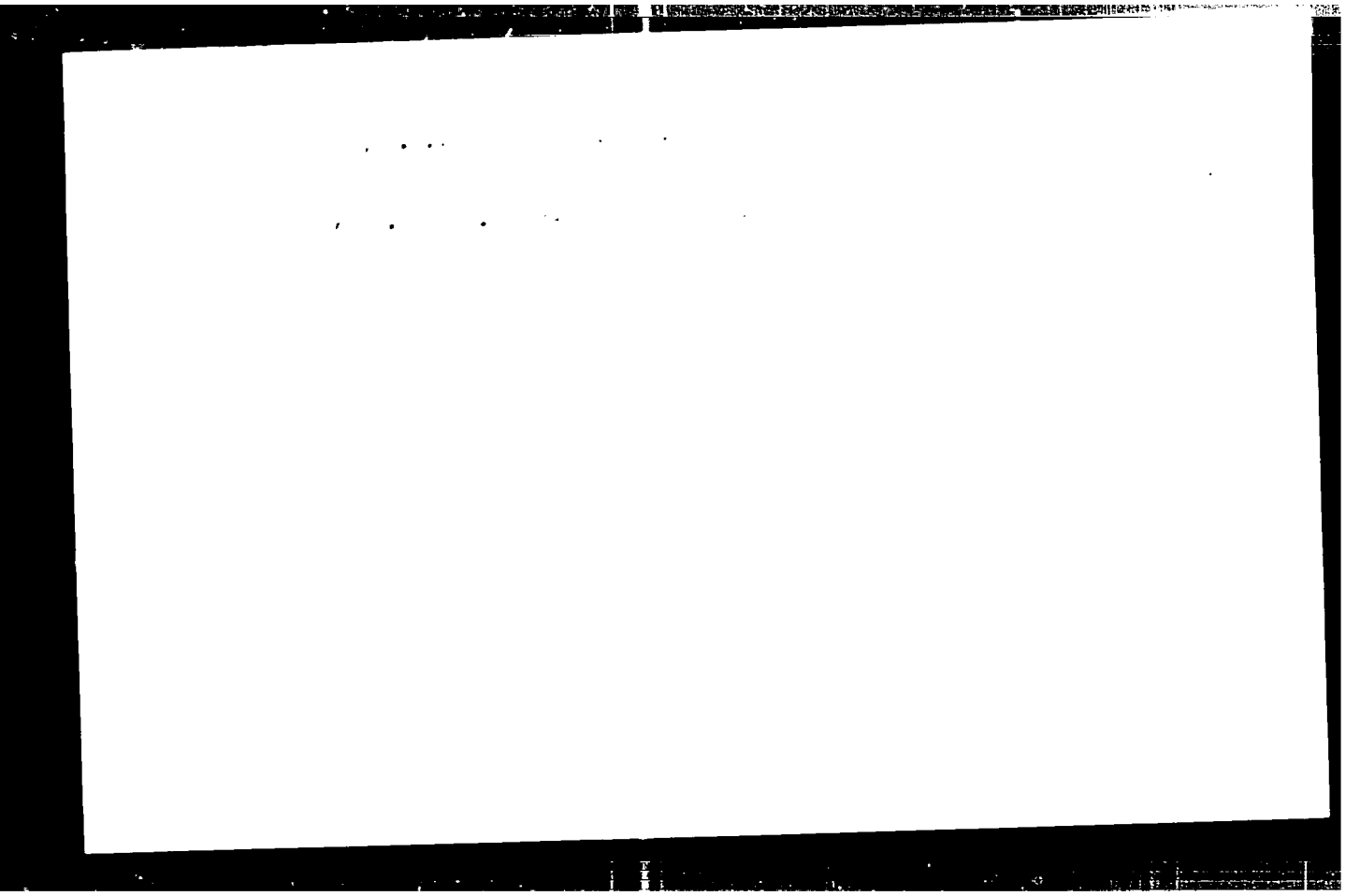
Card 1/2

S V/...

The Laws Governing the Distribution of Minerals in Heavy ... Hydrocyclones

The vertical velocities were measured by introducing at regular intervals an electrolyte solution into the suspension flow and measurement of the time it required for distribution. The electrodes used for these ... connected with the ... of the ... MPC -... resistance ... tion of the density distribution of the ... cyclone is given, as well as ... of the ... with data of the characteristic ... A mathematical discussion of the motion of the mineral grains in the ... sion follows, and it is stated, inter alia, that ... there are two ... where the separation of the ... can be effected according to their density. The unit ... the experimental investigation is described and ... given of the results obtained. The method is then ... by an example. There are ... figures, ... tables, and ... references, ... of which is Soviet.

Card 2/2



PETERSKIKH, G.P., prof., doktor tekhn.nauk.; ANGELOV, A.I.

Mechanism of the separation of minerals in heavy suspensions in hydrocyclones. Khim. prom. no.6:364-370 S '58. (MIRA 11:10)
(Separators (Machines)) (Ore treatment)

PITERSKIKH, G.P.; VALASHEK, Ye.R.

Centrifugal extractors. Khim.prom. no.3:158-165 Ap-My '57. (MLRA 10:7)

(Extraction apparatus)

FD-1990

USSR/Chem stry - Heat transfer

Card 1/1 : Pub. 50-'25

Author : Piterskikh, G. P., Prof, Dr Tech Sci

Title : Friction and heat transfer in turbulent flow

Periodical : Khim. prom., No 5, pp 480-85 (32-37), Dec 1954

Abstract : Derives new mathematical relationships pertaining to stabilized heat transfer in turbulent flow along a straight tube with smooth walls. According to the author, these relationships are in closer agreement with experimental data than the formulas developed formerly. Seven references, all USSR, 5 since 1940. Five graphs.

Institution :

Submitted :

PITERSKIKH, G. P.

Centrifugal extraction. G. P. Piterskikh and [illegible]. *Khim. Prom.* 195[illegible], [illegible].—A description and analysis of the performance of the Sharples supercentrifuge, the Luigi Laverts extractor, and the Podbielniak centrifugal film extractor. W. M. [illegible]

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0013411

PITERSKIKH, G.P.

USSR/Chemistry - Chemical engineering; Evaporation and drying FD-1906

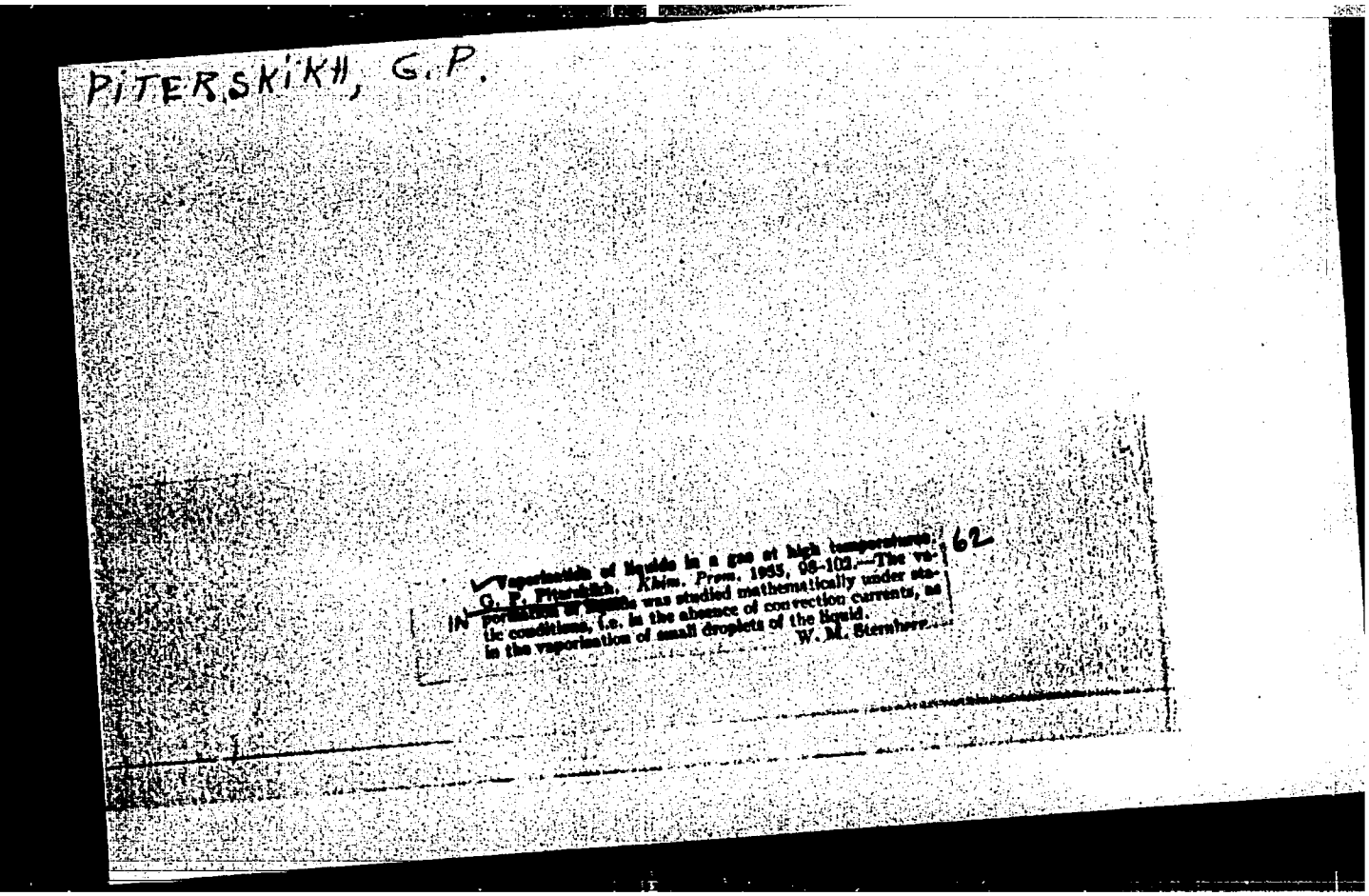
Card 1/1 Pub 50-10/19

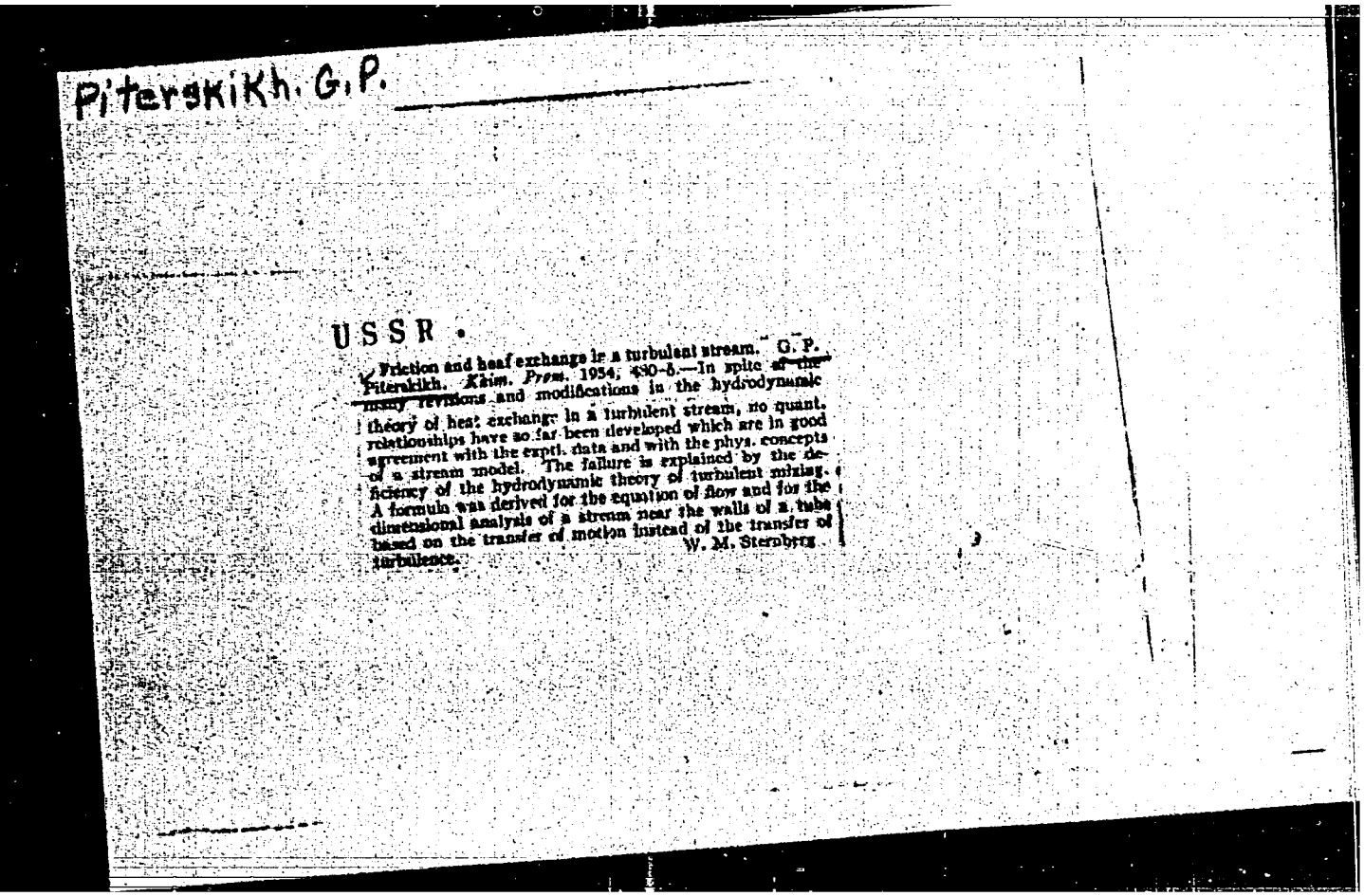
Author : Prof Piterskikh, G. P., Dr Tech Sci

Title : Evaporation of a liquid in a gas at a high temperature

Periodical : Khim. prom., No 2, 98-102 (34-38), Mar 1955

Abstract : Subjects to a mathematical and theoretical treatment the process of the evaporation of liquids in gases which have a higher temperature than the liquids. Five references, 2 USSR, one since 1940.





Piterskikh, G.P.

USSR

Friction and heat exchange in a turbulent stream. G. P. Piterskikh. *Khim. Prom.* 1954, 480–8.—In spite of the many revisions and modifications in the hydrodynamic theory of heat exchange in a turbulent stream, no quant. relationships have so far been developed which are in good agreement with the expti. data and with the phys. concepts of a stream model. The failure is explained by the deficiency of the hydrodynamic theory of turbulent mixing. A formula was derived for the equation of flow and for the dimensional analysis of a stream near the walls of a tube based on the transfer of motion instead of the transfer of turbulence.

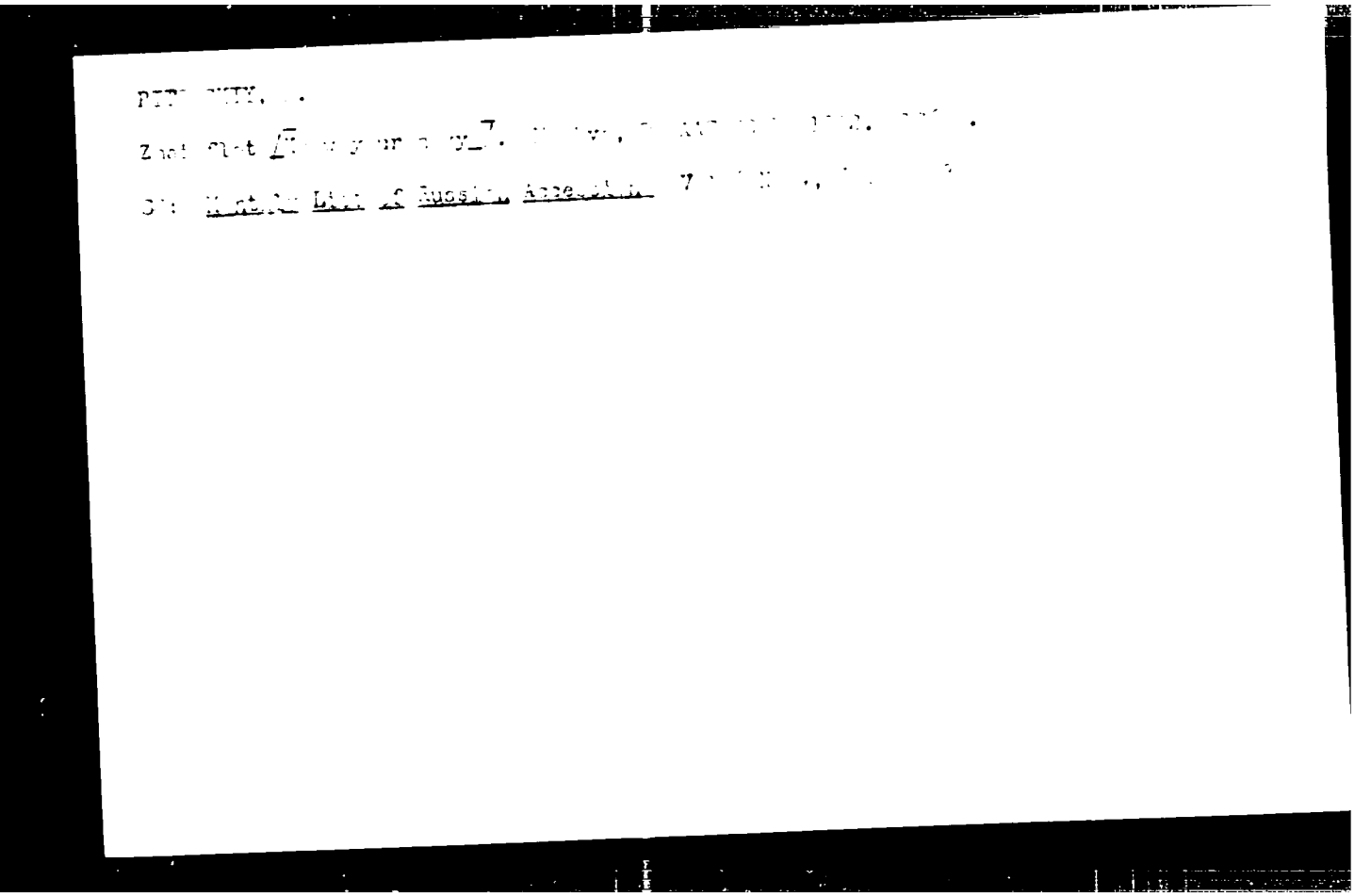
W. M. Sternberg

PITERSKIKH, G.P., professor, doktor tekhnicheskikh nauk

Evaporation of liquids in gases at high temperatures. Khim.prom. no.2:98-102 Mr '55. (MLRA 8:8)
(Evaporations)

BARDIN, I.; BELAN, R.; BEKHTIN, N.; BOYKO, V.; BORISOV, A.; BYCHKOV, V.; VASILENKO, S.; VINOGRADOV, V.; VISHNEVSKIY, A.; VODNEV, G.; DVORIN, S.; DZHAPARIDZE, Ye.; DIDENKO, V.; D'YAKONOV, N.; ZHURAVLEV, S.; ZAKHAROV, A.; IVANOV, I.; KIRSANOV, M.; KOLYADA, G.; KOROBOV, P.; LESKOV, A.; LUKICH, L.; LYUBIMOV, A.; MELESHKIN, S.; MYRTSYMOV, A.; PERTSEV, N.; PETRUSHA, F.; PITERSKIY, A.; POPOV, I.; RAYZER, D.; ROZHKOV, A.; SAPOZHNIKOV, L.; SEDOV P.; SOKOLOV, P.; TEVOSYAN, I.; TIKHONOV, N.; TISHCHENKO, S.; FILIPPOV, B.; FOMENKO, N.; SHELKOV, A.; SHEREMET'YEV, A.

Fedor Aleksandrovich Merkulov. Koks i khim.no.7:62 '56. (MLRA 9:12)
(Merkulov, Fedor Aleksandrovich, 1900-1956)



PITERSKIY, N.

LEVCHENKO, G.I., admiral, otvetstvennyy red.; DEMIN, L.A., dots., kand. geogr. nauk, inzh.-kontr-admiral, glavnyy red.; PHUMKIN, N.S., polkovnik, zamestitel' otvetstvennogo red.; ABAN'KIN, P.S., admiral, red.; ALAFUZOV, V.A., prof., kand. voenno-morskikh nauk, admiral, red.; AKAN'ICH, V.Ye., kontr admiral zapasa, red.; ACHKASOV, V.I., kand. istor. nauk, kapitan 1 ranga, red.; BARANOV, A.N., red.; BELLI, V.A., prof., kontr-admiral v otstavke, red.; BESKROVNYY, L.G., prof., doktor istor. nauk, polkovnik zapasa, red.; BOLTIN, Ye.A., kand. voen. nauk, general-mayor, red.; VERSHININ, D.A., kapitan 1 ranga, red.; VITVER, I.A., prof., doktor geogr. nauk, red.; GEL'FOND, G.M., dots., kand. voenno-morskikh nauk, kapitan 1 ranga, red., GLINKOV, Ye.G., inzh.-kontr-admiral v otstavke, red.; YELISEYEV, I.D., vitse-admiral, red.; ZOZULYA, F.V., admiral, red.; ISAKOV, I.S., prof., Admiral Flota Sovetskogo Soyuza, red.; KAVRAYSKIY, V.V. [deceased], prof., doktor fiz.-mat. nauk, inzh.-kontr-admiral v otstavke, red.; KALESNIK, S.V., red.; KOZLOV, I.A., dots. kand. voenno-morskikh nauk, kapitan 1 ranga, red.; KOMAROV, A.V., vitse-admiral, red.; KUDRYAVTSEV, M.K., general leytenant tekhnicheskikh voysk, red.; LYUSHKOVSKIY, M.V., dots., kand. istor. nauk, polkovnik, red.; MAKSIMOV, S.N., dots., kand. voenno-morskikh nauk, kapitan 1 ranga, red.; OKUN', S.B., prof., doktor istor. nauk, red.; ORLOV, B.P., prof., doktor geogr. nauk, red.; PAVLOVICH, N.B., prof., kontr-admiral v otstavke, red.; PANTELEYEV, Yu.A., admiral, red.; PITERSKIY, N.A., kand. voenno-morskikh nauk, kontr-admiral, red.; PLATONOV, S.P., general-leytenant, red.; POZNYAK, V.G., dots., general leytenant, red.; SALISHCHEV, K.A., prof., doktor tekhn. nauk,

(Continued on next card)

LEVCHENKO, G.I.---(continued) Card 2.
red.; SIDOROV, A.L., prof., doktor istor. nauk., red.; SKORODUMOV, L.A., kontr-admiral, red.; SMEZHINSKIY, V.A., prof., doktor voenno-morskikh nauk, inzh.-kapitan 1 ranga, red.; SOLOV'YEV, I.N., dots., kand. voenno-morskikh nauk, kapitan 1 ranga, red.; STALBO, K.A., kontr-admiral, red.; STEPANOV, G.A. [deceased], dots., vitse-admiral, red.; TOMASHEVICH, A.V., prof., doktor voenno-morskikh nauk, kontr-admiral v otstavke, red.; TRIBUTS, V.F., kand. voenno-morskikh nauk, admiral, red.; CHERNYSHOV, F.I., kontr-admiral, red.; SHVEDE, Ye.Ye., prof. doktor voenno-morskikh nauk, kontr-admiral, red.; CHUKBAKOV, A.I., tekhn. red.; VASIL'YEVA, Z.P., tekhn. red.; VIZIROVA, G.N., tekhn. red.; GOROKHOV, V.I., tekhn. red.; GRIN'KO, A.M., tekhn. red.; KUBLIKOVA, M.M., tekhn. red.; MALINKO, V.I., tekhn. red.; SVIDERSKAYA, G.V., tekhn. red.; CHERNOGOROVA, L.P., tekhn. red.; GUREVICH, I.V., tekhn. red.; BUKHANOVA, N.I., tekhn. red.; NIKOLAYEVA, I.N., tekhn. red.; RADOVIL'SKAYA, E.O., tekhn. red.; TIKHOMIROVA, A.S., tekhn. red.; BELOCHKIN, P.D., tekhn. red.; LOYKO, V.I., tekhn. red.; ROMANYUK, I.G., tekhn. red.; YAROSHEVICH, K.Ye., tekhn. red.

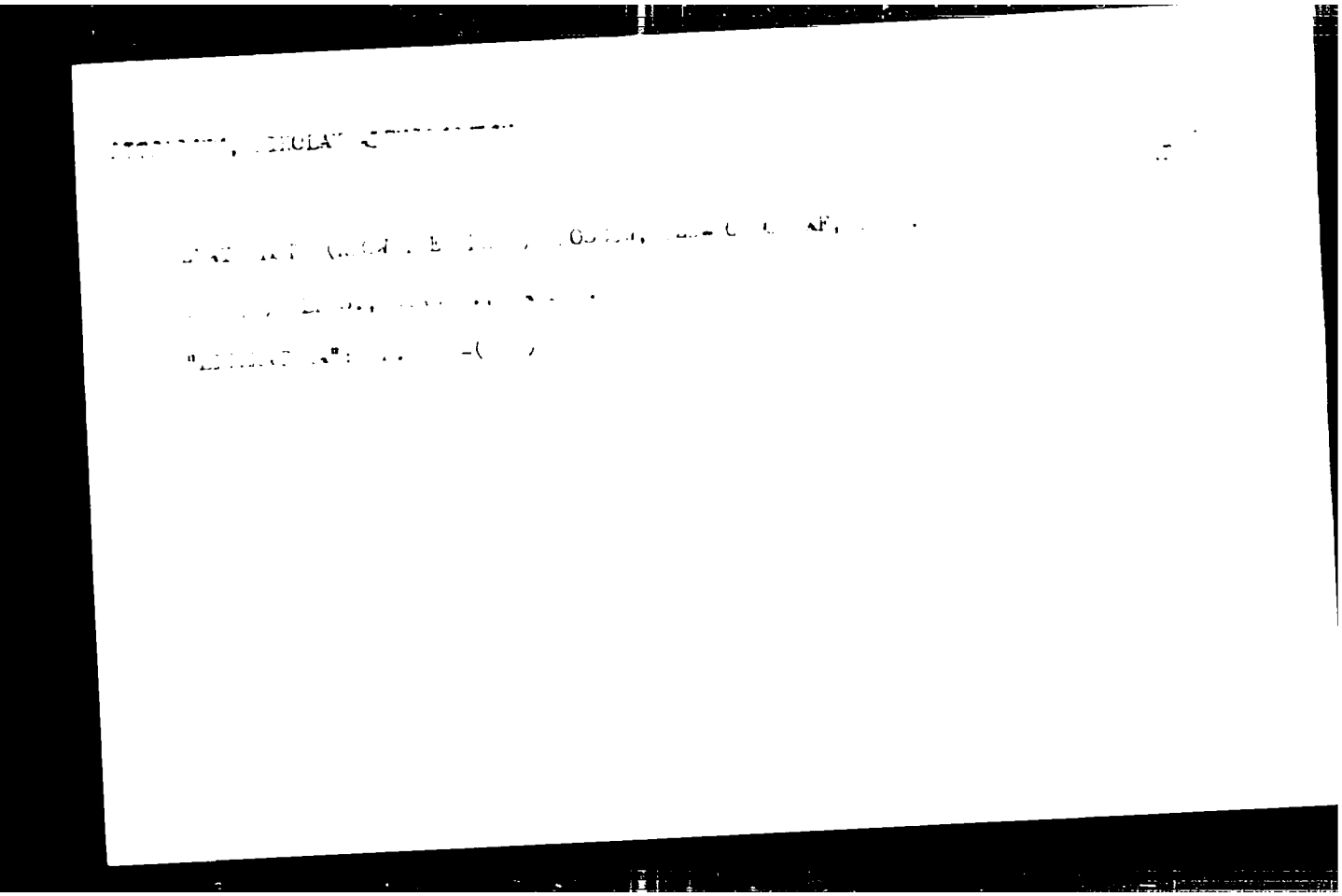
[Sea atlas] Morskoi atlas. Otv. red. G.I. Levchenko. Glav. red. L.A. Demin. [Moskva] Izd. Glav. shtaba Voenno-morskogo flota. Vol.3. [Military and historical. Pt.1. Pages 1-45] Voenno-istoricheskii. Zamestitel' otv. red. po III tomu N.S. Prumkin. Pt.1. Listy 1-45. 1958. _____ [Military and historical maps, pages 46-52]
(Continued on next card)

LEVCHENKO, G.I.---(continued) Card 3. (MIRA 11:10)
Voenno-istoricheskie karty, listy 46-52. 1957.

1. Russia (1923- U.S.S.R.) Ministerstvo oborony. 2. Nachal'nik Glavnogo upravleniya geodezii i kartografii Ministerstva vnutrennikh del SSSR (for Baranov). 3. Chlen-korrespondent Akademii nauk SSSR (for Kalesnik). 4. Deystvitel'nyy chlen Akademii pedagogicheskikh nauk RSFSR (for Orlov).
(Ocean--Maps)

AC: KASOV, V.I., kand. ist. nauk, kapitan 1 ranga; [illegible]ASOV, A.V., kand. voyenno-morskikh nauk kapitan [illegible]anga; BOL'SHAKOV, [illegible].V., kapitan 1 ranga zapasa; GEL'FOND, G.M., dots., kand. voyenno-morskikh nauk kapitan 1 ranga; MORDVINOV, A.N., kand. voyenno-morskikh nauk kapitan 1 ranga zapasa; NOSYREV, V.I., podpolkovnik; SUMIN, A.I., kand. ist. nauk kapitan 1 ranga; PITERSKIY, N.A., kand. voyenno-morskikh nauk kontr-admiral zapasa, otv. red.; KARASEV, A.Ye., red. kapitan 1 ranga zapasa

[Battle history of the Soviet Navy] Boevoi put' Sovetskogo Voenno-Morskogo Flota. Moskva, Voenizdat, 1964. 620 p. (MIRA 17:7)



PITERSKIY, Nikolay Alekseyevich; LUPACH, V.S., redaktor; ANDRIANOV, B.I., tekhnicheskiy redaktor

[Know your navy; manual for members of the All-Union Vounteer Society for Assistance to the Army, Air Force, and Navy] Znai flot; pamiatnaia knizhka chlena DOSAAF. Moskva, Izd-vo DOSAAF, 1956. 229 p. (MLRA 9:12)
(Russia--Navy)

PITERSKIY, V., inzh.

Krasnoyarsk. Zhil. stroi. no.11:8-9 N '61. (MIRA 16:7)

(Krasnoyarsk—Apartment houses)
(Krasnoyarsk—Precast concrete construction)

PITERSKIY, V.

Producing wire-reinforced beams. Na stroi. Ros. no.2:12-14 F '61. (MIRA 14:6)

1. Nachal'nik otdela Upravleniya promyshlennosti stroymaterialov Krasnoyarskogo sovnarkhoza.
(Krasnoyarsk—Precast concrete)
(Girders)

PITERSKIY, V.A. (Leningrad)

Periodic flights of woodcock on a white northern night. (MIRA 17:5)
Priroda 53 no.5:126-127 '64.

PITERSKIY, V.A.; ARAPOV, N.V.

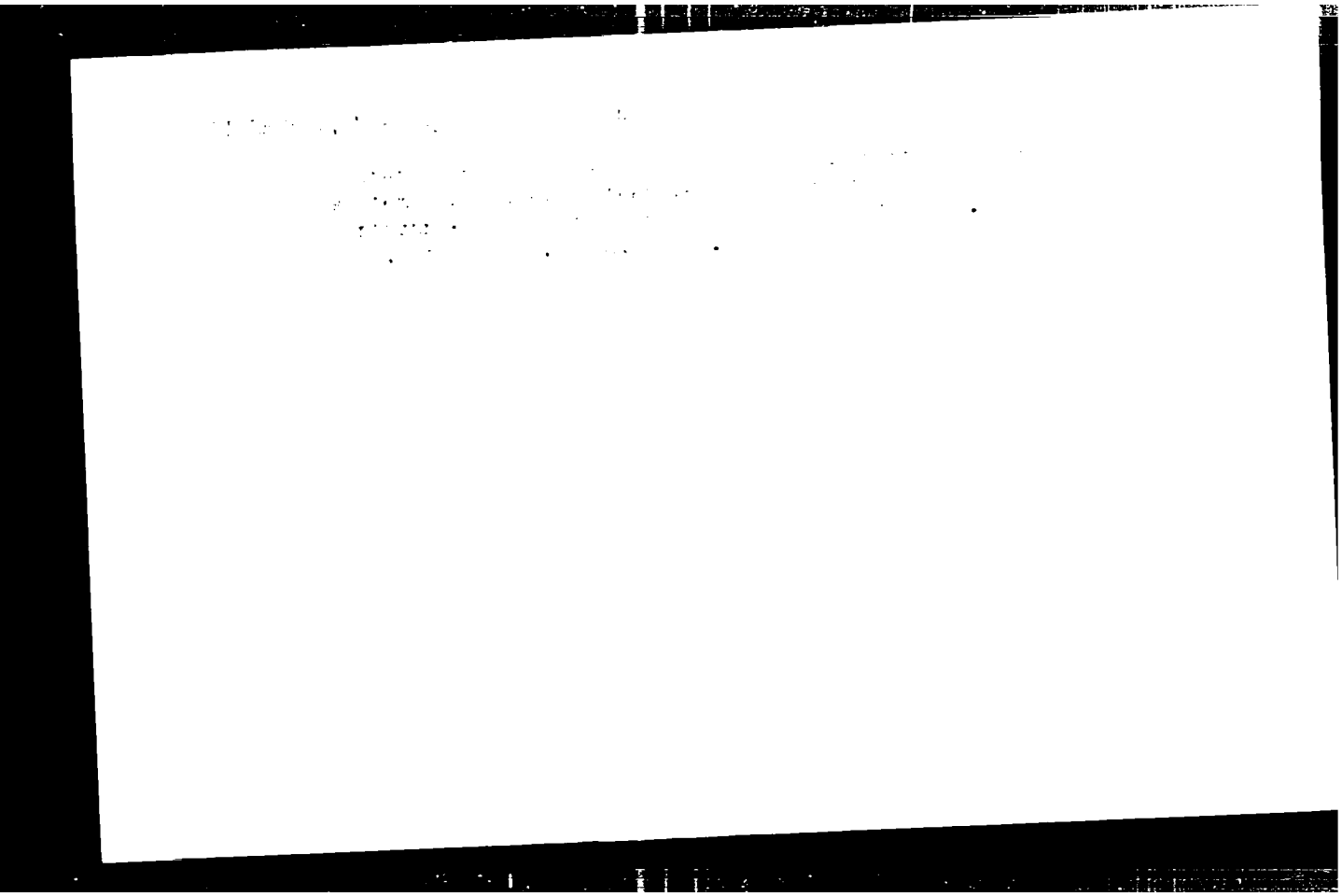
Adjusting a tunnel kiln for firing structural ceramics without saggers. Stek. i ker. 12 no.11:25-28 N '55. (MLRA 9:1)

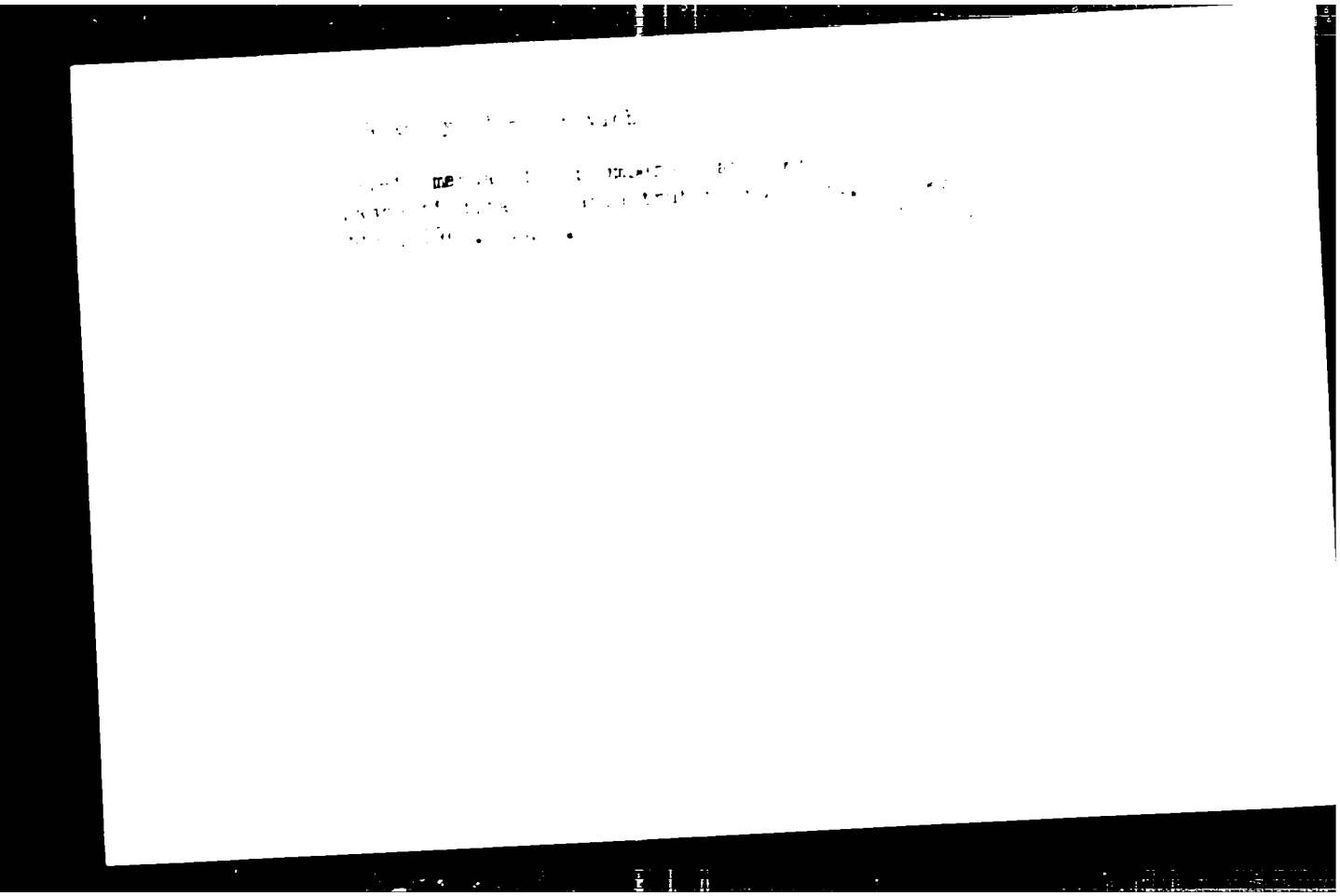
1.Leningradskoye otdeleniye instituta "Teplopreyekt".

(Ceramic industries) (Kilns)

PITERSKOV, N., inzh.; RYAZANTSEV, K., inzh.; IVLEV, N., inzh.; KLUTS, L., inzh.; BARANOV, L., inzh.

Duty of every worker is to work without accidents. Okhr. truda i sots. strakh. 6 no.6:28-31 Je '63. (MIRA 16:8)





PITERSKOV, N.I.; PATENOVSKAYA, M.I., [illegible], YAKHONTOVA, T.D., tekhn. red.

[Organizing the promotion of safety engineering in construction and in enterprises manufacturing building materials] Organizatsiia propagandy po tekhnike bezopasnosti na stroitel'stve i predpriiatiiakh stroitel'nykh materialov. Moskva, Gosstroiizdat, 1963. 87 p. (MIRA 17:2)

NIKOLAYEVSKIY, Ye.Ya., inzh.; EYDEL'MANT, L.B., inzh.; DAVYDOV, A.M., inzh.; SIMACHEV, L.V., red.; BATENCHUK, A.N., inzh., red.; IPATOV, P.P., inzh., red.; KRYLOV, V.A., inzh., red.; PELESHUK, M.I., inzh., red.; PITERSKOV, N.I., red.; SHUBOV, L.B., red.

[Instructions for industrial safety measures in the assembly of technological equipment and piping] Instruktivnye ukazaniia po tekhnike bezopasnosti pri montazhe tekhnologicheskogo oborudovaniia i truboprovodov. Izd.2., perer. i dop. Moskva, TSentr. biuro tekhn.informatsii, 1959. 160 p. (MIRA 13:6)

1. Russia (1917- R.S.F.S.R.) Ministerstvo stroitel'stva. Glavmetallurgmontazh. 2. Glavnyy inzhener Glavmetallurgmontazha Ministerstva stroitel'stva RSFSR (for Simachev).
(Industrial safety)

PITERSKOV, N.I.; CHEKHOVSKAYA, T.P., red.izd-va; ABRAMOVA, V.M., tekhn. red.

[Pamphlet on safety engineering for the operators of circular and pendulum saws] Pamiatka po tekhnike bezopasnoti dlia rabotaiushchikh na tsirkul'noi i maiatnikovoi pilakh. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1961. 13 p. (MIRA 14:6)
(Sawmills—Safety measures)

PITERSKOV, N.I.; BORSHCHEVSKIY, A.N., nauchnyy red.; CHEKHOVSKAYA, T.P., red. izd-va; BOROVNEV, N.K., tekhn. red.

[Pamphlet on safety measures for wood preservation workers] Pamiatka po tekhnike bezopasnosti dlia rabochikh po antiseptirovaniiu drevesiny. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1961. 23 p. (MIRA 14:6)
(Wood preservatives—Safety measures)

PITERSKOV, N.I.; PATENKOVSKAYA, M.I., red. izd-va; GOL'BERG, T.M., tekhn. red.

[Safety regulations for fitter and assembler of hoisting and conveying machinery] Pamiatka po tekhnike bezopasnosti dlia slesaria-montazhnika pod"emno-transportnykh mashin. Moskva, Gosstroiizdat, 1962. 34 p. (MIRA 15:12)
(Hoisting machinery—Safety regulations)
(Conveying machinery—Safety regulations)

PITERSKOV, N.I.; PATENOVSKAYA, M.A., red.; BOROVNEV,N.K., tekhn.red.

[Handbook on accident prevention for drainage pump operators] Pamiatka po tekhnike bezopasnosti dlia mashinista vodootlivnykh nasosov. Moskva, Gosstroiizdat, 1962. 13 p. (MIRA 16:2)

(Pumping machinery, Electric--Safety measures)

PITERSKOV, Nikolay Illarionovich; ZVORYKINA, L.N., red. izd-va; MOCHALINA, Z.S., tekhn. red.

[Guide to safety measures for a sheet-metal worker] Pamiatka po tekhnike bezopasnosti dlia zhestianshchika. Moskva, Gosstroiizdat, 1962. 14 p. (MIRA 15:6)
(Sheet-metal work--Safety measures)

PITERSKOV, N.I., inzh.; TABUNINA, M.A., red. izd-va; SHEVCHENKO, T.N., tekhn. red.

[Safety regulations for transport (supplementary) workers] Pamiatka po tekhnike bezopasnosti dlia transportnogo (podsobnogo) rabochego. Moskva, Gosstroiizdat, 1962. 29 p. (MIRA 15:7)

(Materials handling--Safety measures)

BARANOV, L.A.; GORBATOV, V.I.; YEVREINOV, D.V.; YERMAKOV, Ye.I.; PITERSKOV, N.I.; RYL'TSEV, A.N.; RYAZANTSEV, K.G.; TOROPOV, A.S.; TSEYTLIN, G.I.; YAROSHEV, D.M.; TRUBIN, V.A., glavnyy red.; SOSHIN, A.V., zam.glavnogo red.; RAKITIN, G.A., red.; GRINKEVICH, G.B., red.; YEPIFANOV, S.P., red.; ONUFRIYEV, I.A., red.; KHOKHLOV, B.A., red.; ZIMIN, P.A., red.; TABUNINA, M.A., red.izd-va; OSENKO, L.M., tekhn.red.

[Manual on accident prevention and industrial sanitation during construction and repair operations] Spravochnoe posobie po tekhnike bezopasnosti i promsanitarii pri proizvodstve stroitel'no-montazhnykh rabot. Pod red. G.A.Rakitina. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1961. 359 p.
(MIRA 14:4)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut organizatsii, mekhanizatsii i tekhnicheskoy pomoshchi stroitel'stvu.
(Construction industry--Hygienic aspects)

PITERSKOV, N.I., inzhener.

Enforce safety rules in building and installation works. Bezop. truda v prom. 1 no.5:16-18 '57. (MLRA 10:7)
(Building--Safety measures)

PITERSKOV, N. I.

7546 PITERSKOV, N. I., RYAZANTSEV, K. G., PAMYATKA DLYA CHLENOV KOMISSIY I OBSHCHESTVENNYKH INSPEKTOROV PO OKHRANE TRUDA NA STROITEL'STVE 3 YE IZD. M., GOS. IZD. LIT. PO STROITEL'STVU I ARKHITEKTURE., 1955. 64 S. 13 SM. (TEKHNIKA BEZOPASNOSTI). 25.000 EKZ. 45 K.--NA OBOROTE TIT. L. SOST: N. I. PITERSKOV, K. G. RYAZANTSEV. --(55-4329) 2-YE IZD. VYSHLO POD ZAGL: PAMYATKA DLYA. OBSHCHESTVENNOGO INSPEKTORA PO OKHRANE TRUDA.

SO: KNIZHNAYA LETOPIS--Vol. 7, 1955

PITERSKOV, N.I.; KHLUDEYEVA, Ye.O., red.izd-va; BOROVNEV, N.K., tekhn.red.

[Booklet on safety engineering for workers producing reinforced concrete] Pamiatka po tekhnike bezopasnosti dlia armaturshchika. Izd.2. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1959. 14 p. (MIRA 13:3)
(Reinforced concrete) (Industrial safety)

PITERSKOV, Nikolay Illarionovich, inzh.; TABUNINA, M.A., red. izd-va; GOL'BERG, T.M., tekhn. red.

[Safety instructions for assembler-fitters in general assembling operations] Pamiatka po tekhnike bezopasnosti dlia slesaria-montazhnika po obshchemontazhnym rabotam. Moskva, Gosstroiizdat, 1962. 31 p. (MIRA 15:7)
(Building, Iron and steel—Safety measures)

PITERSKOV, N.I., inzh.

Using safety nets at building sites in East Germany. Bezop. truda v prom. 2 no.9:35-36 S '58. (MIRA 11:9)
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