"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

SKACEL, Jaroslav; MAREK, Miloslav; MIKUS, Miloslav; KNEZ, Jaroslav; PAUK, Tomas; BARTAS, Frantisek; OREL, Petr; VYBIRAL, Josef; BARTH, Vojtech; KNETTING, Petr; FOJT, Bohuslav; DVORAK, Jaroslav; KOCIAN, Jan

The 2nd Regional Geological Conference in Opava. Prir cas slezsky 23 no.1:133-143 '62.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

PAUK, V. G.

"Results of Introducing Automatized Processing of Telegrams" Vestnik Svyazi, No. 11, Moscow, 1955, p. 2

Translation M 1288, 5 Oct 56

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1"

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PAUK, V.G.

Results obtained by introducing automation in telegram processing. Vest. sviazi 15 no.11:20 N '55. (MLRA 9:2)

1.Starshiy ekonomist Minskogo tsentral'nogo telegrafa.
(Telegraph)

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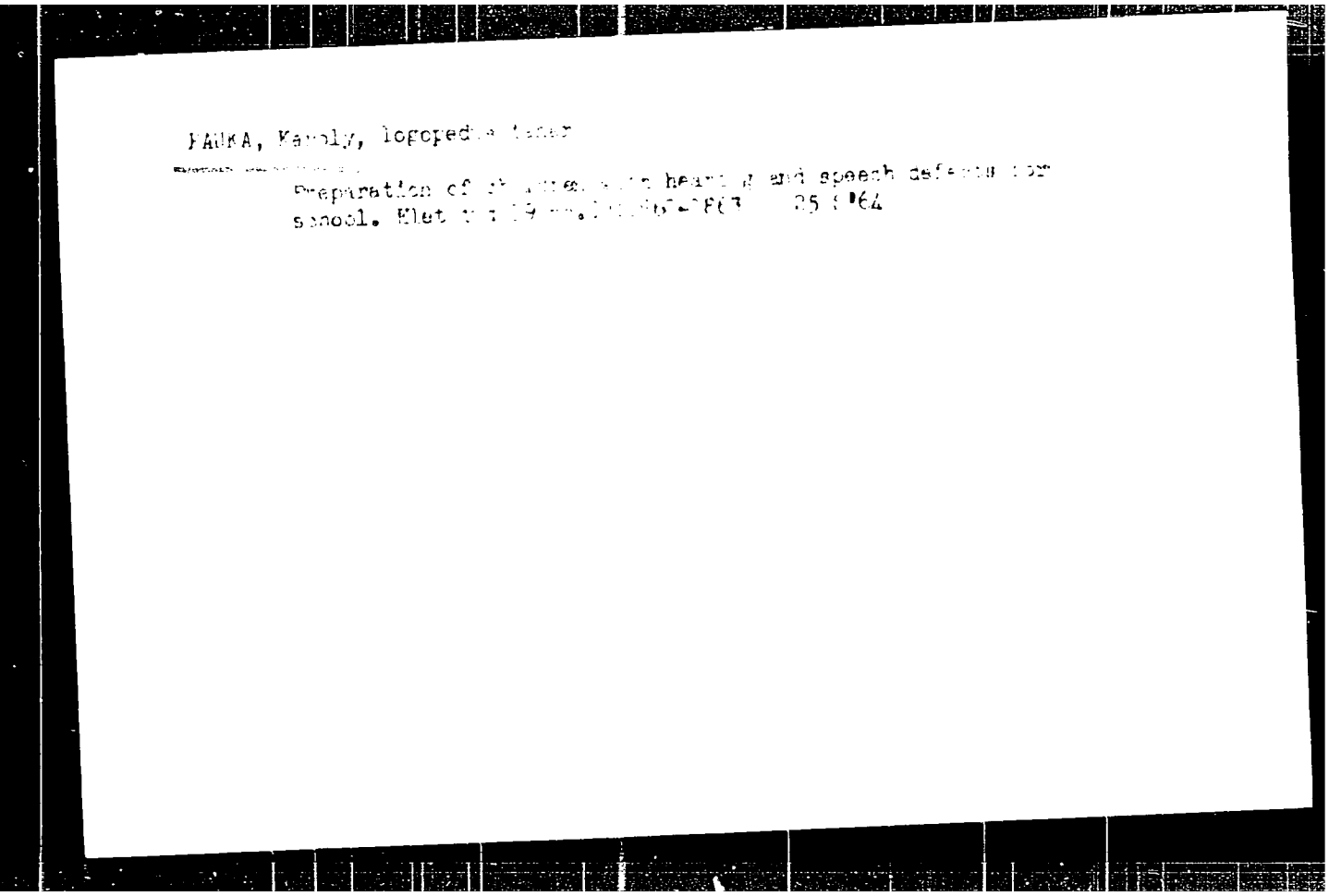

HAUKA, Kamely, logopedic teacher

Preparation of [illegible] in hearing and speech defects [illegible]
school. Klin [illegible] 25 '64

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PAUKA, Karoly

"Educational psychology" by Bela Radnai. Reviewed by Karoly Pauka. Magy pszichol szemle 18 no.1:102-104 '61.

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PAUKA, Karoly

"Introduction to the psychopathology of childhood" by F.G. Stockert. Reviewed by Karoly Pauka. Magy pszichol szemle 17 no.4:466-467 '60.

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PAUKER, I.A.; LEONENKO, I.N.

Recent data on the geology and ore manifestations in areas of the Voronezh crystalline massif. Razved. i okh. nedr 26 no.6:14-17 Je '60. (MIRA 15:7)

1. Glavnoye upravleniye geologii okhrany nedr pri Sovete Ministrov RSFSR (for Pauker). 2. Geologicheskoye upravleniye TSentral'nykh rayonov (for Leonenko).
(Voronezh Region--Ore deposits) (Voronezh Region--Geology)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

PAUKER, Josef, inz., kandidat technickych ved

Limiting circuit breakers. El tech obzor 52 no.10: 553-558 O '63.

1. Statni vyzkumny ustav silnoproude elektrotechniky.

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PAUKER, Juraj

Character of investments in the mining industry and their depreciation. Rudy 11 no.9:314-317 S '63.

1. Rudny projekt, Praha.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1"

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SIRBU, M.; DUMA, M.; PRANITKI, A.; PAUKER, M.; COLIN, L.; BRAUNSTEIN, F.

Radiotelemechanical control of the hoisting machinery. Probleme automatiz 4:205-210 '63.

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BOKIY, B.V., prof., PAUKER, N.G., gidrogeolog TOLSTIKHIN, N.I., prof.

Concerning the book "Experience in the drainage of mineral deposits in difficult hydrogeological conditions." Shakht.stroi. 2 no.1:32 Ja '64. (MIRA 17:4)

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Calculating a water lowering arrangement for an elongated trench.
Zap.Len.gor.inst.32 no.2:105-119 '56. (MLRA 10:2)
(Hydraulic engineering)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

PAUKER, N.G.

Method for hydrogeological calculations in draining the Safonovo deposit. Zap. LGI 44 no.2:86-108 '62. (MIRA 16:3)
(Safonovo region (Smolensk Province)—Mine drainage)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

PAUKER, N.G.

Influx of water in incomplete bore holes in case of turbulent and laminar filtration regimens. Zap. LGI 34 no.2:101-126 '58.
(MIRA 12:6)

(Water, Underground)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1"

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KLIMENTOV, Petr Platonovich; PYKHACHEV, Georgiy Borisovich; TOLSTIKHIN, N.I., prof., retsenzent; SHAGOYANTS, S.A., prof., retsenzent; DAVIDOVICH, V.I., dots., retsenzent; ASATUR, K.G., dots., retsenzent; NOVOZHILOV, V.N., dots., retsenzent; FAUKER, N.G., starshiy nauch. sotr., retsenzent; KRASIL'NIKOVA, N.P., ass., retsenzent; ABRAMOVA, S.K., otv. red.; SLAVOROSOV, A.Kh., red. izd-va; IL'INSKAYA, G.M., tekhn. red.

[Dynamics of underground water] Dinamika podzemnykh vod. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu, 196[illegible]. 514 p. (MIRA 14:12)

(Water, Underground)

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MAKSIMOV, Vasiliy Mikhaylovich, dotsent, kand.geologo-miner.nauk; ASATUR, K.G., dotsent, kand.tekhn.nauk; DAVIDOVICH, V.I., dotsent, kand. tekhn.nauk; ALBUL, S.P., kand.geologo-miner.nauk; PANKER, L.G., inzh.-gidrogeolog; OSTROUMOV, B.P., gidrotekhnik; ZAYTSEV, I.K., doktor geologo-miner.nauk; TOLSTIKHIN, N.I., prof., doktor geologo-mineral.nauk; REZNIKOV, A.A., kand.khim.nauk, starshiy nauchnyy sotrudnik; MERSHALOV, A.F., assistent; VOROTYNTSEV, V.T., dotsent, kand.tekhn.nauk; MARKOV, I.A., dotsent, kand.geologo-miner.nauk; KERKIS, Ye.Ye., dotsent, kand.geologo-miner.nauk; KHITROV, I.N., inzh.-geolog; BOROVITSKIY, V.P., kand.geologo-miner.nauk; RAVDONIKAS, O.V., kand.geologo-miner.nauk; ONIN, N.M., kand.geologo-miner.nauk; BASKOV, Ye.A., inzh.-gidrogeolog; NOVOZHILOV, V.N., dotsent, kand. geologo-miner.nauk; PEKEL'NYY, I.S., inzh.-gidrogeolog; NEVEL'SHTEYN, Yu.G., inzh.-gidrogeolog; BOSKIS, S.G., inzh.-gidrotekhnik; NIKIFOROV, Ye.M., inzh.-gidrogeolog; GATAL'SKIY, M.A., prof., doktor geologo-miner.nauk, nauchnyy red.; DOLMATOV, P.S., vedushchiy red.; GEN-NAD'YEVA, I.M., tekhn.red.

[Hydrologist's handbook] Spravochnoe rukovodstvo gidrogeologa. Leningrad, Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, Leningr.otd-nie, 1959. 836 p. (MIRA 12:4)

1. Vsesoyuznyy geologicheskiy nauchno-issledovatel'skiy institut (for Reznikov).

(Hydrology)

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PAUKSH, N.G., nauchnyy sotrudnik.

Using data of group pumping from uncompleted wells to compute the filtration factor, the radius of influence, and decreased piezometric level. Zap.Len.gor.inst.32 no.2:88-104 '56. (MLRA 10:2)
(Hydraulics) (Water, Underground)

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[illegible], A. Inz. Ch.

[illegible] to the reduced pressure.
[illegible]

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

PAUBERT, Josef, inz. CSc

Time measurement based on an electromechanical principle.
Automatizace 7 no. 6 165 Je '64.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

ACC NR: AP6030834 SOURCE CODE: CZ/0030/65/000/007/0180/0183

AUTHOR: Paukert, Josef (Engineer; Candidate of sciences)

ORG: State Research Institute of Heavy Current Electrical Engineering, Bechovice (Statni vyzkumny ustav silnoproude elektrotechniky)

TITLE: Low-tension switching instruments in the period of automation 30

SOURCE: Automatizace, no. 7, 1965, 180-183

TOPIC TAGS: automation, automation equipment

ABSTRACT: The period of automation will require changes in the design and functional properties of switching instruments, above all, miniaturization and improvement of reliability, increase in the number of contacts and improvement of resistance to effects of the environment. Characteristics of Czechoslovak and foreign products are compared in a table. Orig. art. has: 2 tables. [JPRS: 32,496]

SUB CODE: 13, 09 / SUBM DATE: none / ORIG REF: 005

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

PAIKERT, Josef, ing.

Measurement of residual current of 110 kv expansion switches.
El tech obzor [illegible] no.11:622-623 N '64.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

Z/009/62/000/009/001/004
E112/E335

AUTHORS: Litomiský, Jaromír and Paukner, Otomar

TITLE: The use of cinefilms instead of photographic plates in spectrum analysis

PERIODICAL: Chemický průmysl, no. 9, 1962, 500 - 501

TEXT: Due to a shortage of spectrographic plates during the first half of 1961, ordinary plate casettes were adapted for work with cinefilms. The adaptor consisted of 1 mm thick, 6 x 24 cm perspex supporting platelets, which were so placed that the maximum surface of the unperforated part of the film could be fully utilized and the film was completely flat. The film frame could be used for the same number of spectra as the plate which it replaced, one 50-m long film being sufficient for 700 spectrograms. The only disadvantage in using film is that the available spectrum area is considerably narrower. However, this was not a disadvantage for the quantitative assay of indium in sphalerite for which this film was used. The difference in the wavelengths of the reference lines of caesium and indium is 82 Å, corresponding to 10 mm under the given experimental

Card 1/2

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

PANAITESCU, D.; PAUKER, V.

Determining thermal conductivity of a viscous material. Studii cerc fiz 13 no.5:783-786 '62.

1. Uzinele Electronica, Bucuresti.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

R/005/61/000/006/002/002
D015/D106

AUTHOR: Pauker, V., Engineer

TITLE: The dissipation conditions of the amplifying elements in a class-B audio amplifier

PERIODICAL: Telecomunicații, no. 6, 1961. 256 - 259

TEXT: The article deals with the dissipation conditions of the amplifying elements in a class-B amplifier, when the amplifier is excited by an audio signal, such as voice or music. The dissipated power depends on the value of the irput signal, being almost zero for a zero signal and presenting a maximum for a particular value of the excitation signal. If the class-B amplifier is excited by a sinusoidal signal, the power dissipated on the collector of a transistor may be expressed by:

$$P_d = P_o - P_1 = P_M \left(\gamma N - \gamma^2 N^2 \frac{\widetilde{\pi}}{4}\right), \qquad \text{(no. 8)}$$

in which P_o is the power absorbed in the output circuit of an amplifying element,

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The dissipation conditions of the amplifying ....

P_1 the useful alternating power and P_M and N are expressed by:

$$P_M = \frac{E_o^2}{\eta R} \quad ; \qquad N = \frac{I_m R}{E_o} \quad ;$$

E_o being the direct-feed-voltage of the output circuit and I_m the maximum value of the amplitude. If the stage is excited by an audio signal, the power condition depends on the variation of the input-signal level, on the relative time for which a certain level is maintained, and on the shape of the signal. If the signal has a sinusoidal shape, the average dissipated power is expressed by:

$$\overline{P_d} = \frac{1}{T}\int_0^{t=T} P_d\,dt = P_M\left(\frac{1}{T}\int_0^{t=T}\gamma N dt - \frac{1}{T}\int_0^{t=T}\gamma^2 N^2 \frac{\pi}{4}\,dt\right) = P_M\left[N\int_0^{\frac{t}{T}=1}\gamma\, d\left(\frac{t}{T}\right) - \frac{\pi}{4}N^2\int_0^{\frac{t}{T}=1}\gamma^2\, d\left(\frac{t}{T}\right)\right].$$

Card 2/7 (no. 9)

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The dissipation conditions of the amplifying ...

On the basis of this relation, the author deduces the final solution:

$$\frac{\overline{P_d}}{P_M} = \frac{N}{\sqrt{\pi}} \int_a^a e^{m\left(b - \frac{B}{2}\right)} e^{-(hB)^2} d(hB) - \frac{\pi}{4} \frac{N^2}{\sqrt{\pi}} \int_{-a}^{a} e^{2m\left(b - \frac{B}{2}\right)} e^{-(hB)^2} d(hB) =$$

$$= \frac{N^2}{\sqrt{\pi}} \int_0^a e^{-\frac{Bn}{2} + \left(\frac{m}{2h}\right)^2 - \left(hb - \frac{m}{2h}\right)^2} d\left(hb - \frac{m}{2h}\right) - \frac{\pi}{4} N^2 \frac{2}{\sqrt{\pi}} \int_0^a e^{-Bm + \left(\frac{m}{h}\right)^2 - \left(hb - \frac{m}{h}\right)^2} d\left(hb - \frac{m}{h}\right) =$$

$$= Ne^{-\frac{Bm}{2} + \left(\frac{m}{2h}\right)^2} \frac{2}{\sqrt{\pi}} \int_{\frac{m}{2h}}^{a - \frac{m}{2h}} e^{-z_1^2} dz_1 - \frac{\pi}{4} N^2 e^{-Bm + \left(\frac{m}{h}\right)^2} \frac{2}{\sqrt{\pi}} \int_{\frac{m}{h}}^{a - \frac{m}{h}} e^{-z_2^2} dz_2 = \qquad \text{(no.15)}$$

$$= N \cdot e^{\frac{Bm}{2}} \left\{ e^{\left(\frac{Bm}{4a}\right)^2} \left[\operatorname{erf}\left(a - \frac{Bm}{4a}\right) + \operatorname{erf}\left(\frac{Bm}{4a}\right) \right] - \frac{\pi}{4} N e^{-\frac{Bm}{2} + \left(\frac{Bm}{2a}\right)^2} \left[\operatorname{erf}\left(a - \frac{Bm}{2a}\right) + \operatorname{erf}\left(\frac{Bm}{2a}\right) \right] \right\}.$$

Card 3/7

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

The dissipation conditions of the amplifying ...

in which B is the dynamic range of the signal expressed in db, b the deviation in db from the average level, h the standardizing multiplier, $\pm$ a the deviation limits, between which the dynamic range is practically limited, as shown in figure 2, and $m \approx \frac{\lg_e 10}{20} = 0.115$. The maximum value of the $P_d/P_{\sim}$ ratio as a function of m, calculated on the basis of the expression (no. 15) is represented in figure 3, which shows that the value of this ratio depends on the dynamic range of the signal. The maximum dissipated power of an audio signal is smaller than that of a maintained sinusoidal signal. Neglecting B along with $\frac{2a}{m}^2 \approx 160$ db, the expression (no. 15) will be considerably simplified and become

Card 4/7

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

The dissipation conditions of the amplifying ....

independent of the exact value of a:

$$\frac{\overline{P_d}}{P_M} \approx N \cdot e^{-\frac{B}{17.4}} \left(1 - \frac{\pi}{4} N e^{-\frac{B}{17.4}} \right). \qquad \text{(no. 16)}$$

The maximum value of the P_d/P_M ratio calculated by (no. 16) is represented in figure 3. By comparing the two curves, it may be established that the relative error increases with an increase of B, becoming important for $B > 30 \div 40$ db, but the absolute error is not important. The expression (no. 16) is graphically represented in figure 4, as a function of N, having B as parameter. If B = 0, the signal is a sinusoid with constant amplitude and the expression (no. 16) coincides with (no. 8). These theoretical calculations were checked by experiments. The experimental results are represented in figure 6, in which the plain curves correspond to the theoretical results. Conclusions: The maximum dissipation in audio conditions is at least twice as small as in maintained conditions. This fact makes possible the use of some small amplifying

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

The dissipation condition of the amplifying ...

elements for the production of a given audio power, however, it refers to transistors rather than to electronic tubes. There are 6 figures and 3 references: 2 Soviet-bloc and 1 non-Soviet-bloc. The reference to the English-language publication reads as follows: H.F. Olson, "Acoustical Engineering," D. van Nostrand Com. Inc., New York, 1957, p. 580.

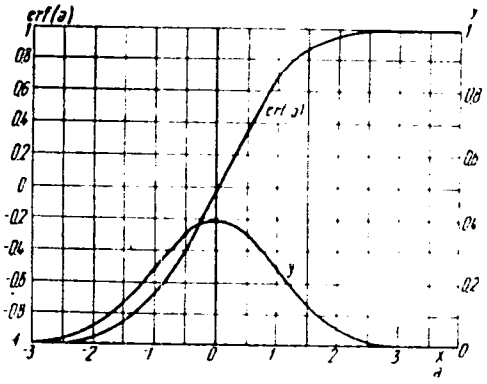

Fig. 2.

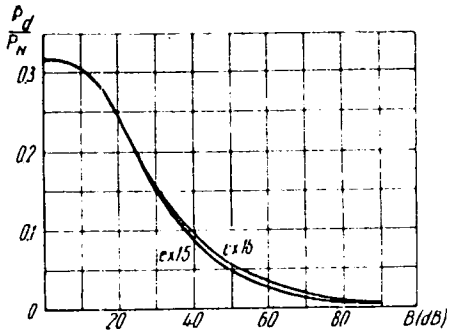

Fig. 3.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

PAUKER, V., ing.

The dispersion conditions of the amplifying elements in a B-class acoustic amplifier. Telecomunicatii 5 no.6:256-259 N-D '61.

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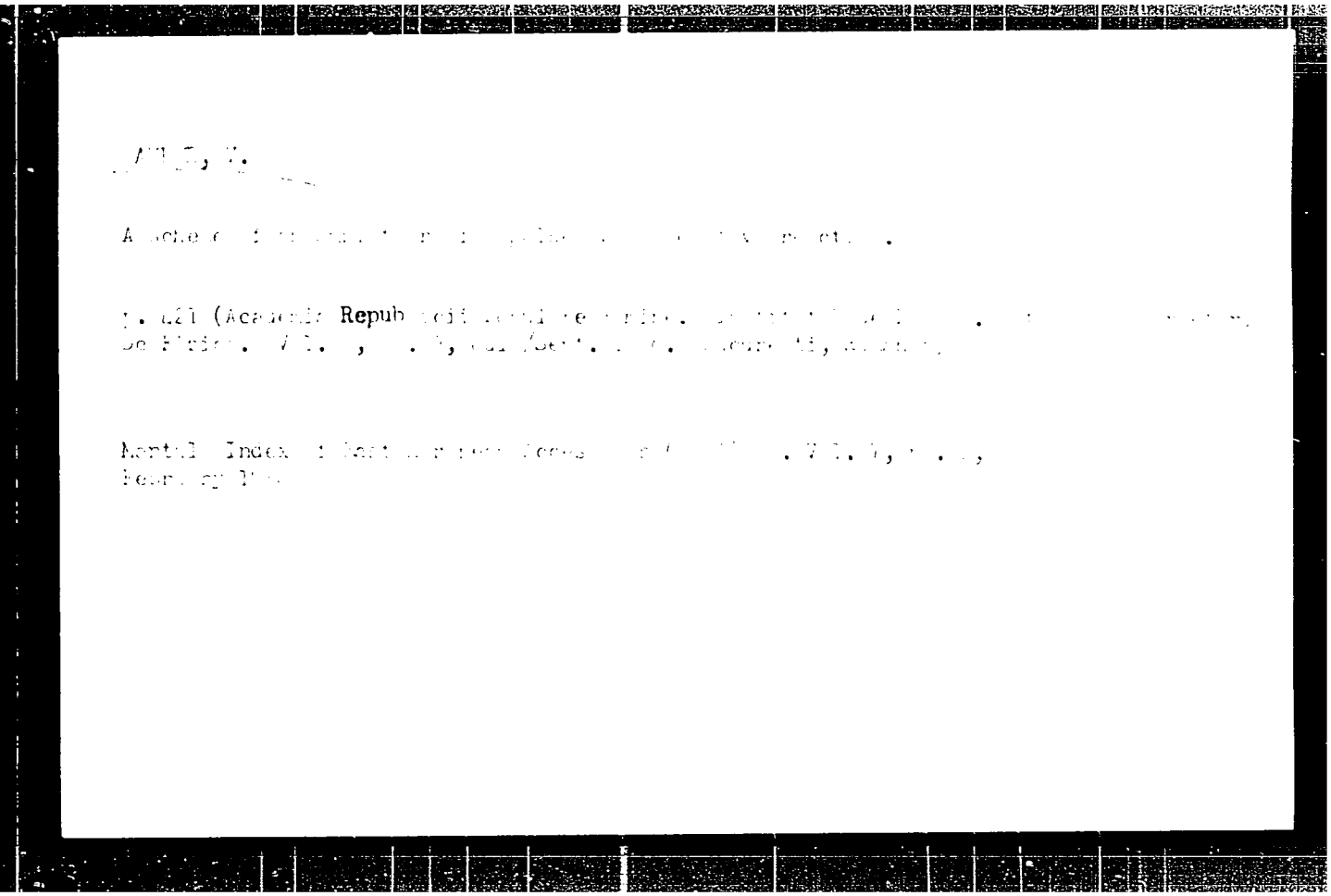
"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1



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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

RUMANIA/Radio Physics - Reception of Radio Waves I-5

Abs Jour : Ref Zhur - Fizika, No 11, 1956, No 25691

Author : Fenker Vlad
Inst : Not Given
Title : Design of Amplifier with Arbitrary Number of Feedback Loops.

Orig Pub : Bul. Inst. politehn. Bucuresti, 1957, 19, No 1-2, 375-378

Abstract : A general formula is derived for the calculation of the feedback coefficient of an amplifier with an arbitrary number of feedback loops. A practical computation method is proposed.

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PAUKERT, Josef, inz., kandidat technickych ved.

"Searching for underground conduits, pipelines and their defects" by F.Csanda. El tech obzor 52 no.2:112 F '63.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

PAUKERT, Josef, inz. CSc.

Examining defective excitation conditions by a direct-current converter. El tech obzor 53 no. 3: 159-160 Mr '64.

1. State Research Institute of Heavy Current Engineering, Bechovice.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

PAUKERT, Josef, Ing., Kandidat technickych ved

Effect of the current flow on the movement of the arc of flight in narrow slots. El tech obzor 52 no.12:674-675 D '63.

Relay with hermatically sealed contacts. 677-678

Restoration of the disruptive strength of the alternating current arc moving in narrow slots. 680-681

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

PAUKERT, Josef, inz., kandidat technickych ved

"Low tension switching apparatus". Reviewed by Josef Paukert.
El tech obzor 51 no.10:5[illegible]9 O '62.

1. St[illegible]i vyzkumny ustav silnoproude elektrotechniky.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

Reduction of *p*-nitrophenol molecule and anion on the dropping mercury electrode. I. Paukov. *Trans. Faraday Soc.* 41, 128-33(1947). *p*-Nitrophenol consumes 6 electrons and 6 protons and reduces irreversibly on the dropping-Hg electrode. Half-wave potentials change by 60 mv. per pH unit up to pH 8 and by 120 mv. per pH unit beyond pH 8. The change of the course of the curve of the half-wave potential against pH indicates $pK_a = 8$ whereas pA measured directly is 7. The discrepancy may be due to the irreversibility of the reduction process. Two waves are formed in alk. medium. With increasing pH above 9 the height of the more pos. wave decreases, and the height of the more neg. wave increases. Beyond pH 12 the behavior of the 2 waves is the same only in the presence of surface-active agents, such as gelatin or methylene blue. Otherwise the course is reversed. The height of the more pos. wave plotted against pH shows the dissocn. curve, which is shifted to the more alk. side by 4 units. This can be explained by the interphase phenomena. M. H.

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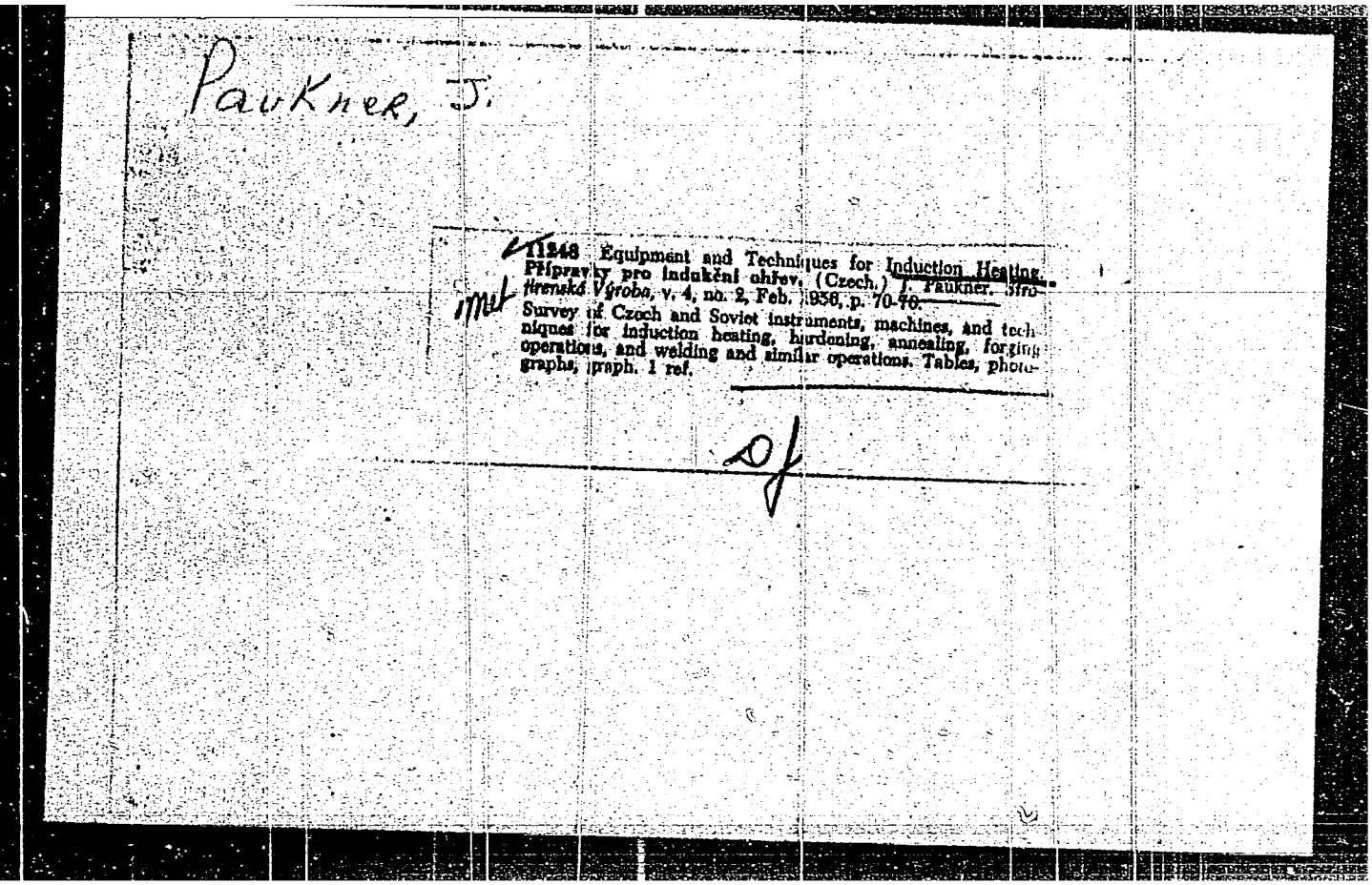
"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1



Paukner, J.

T1248 Equipment and Techniques for Induction Heating. Přípravky pro indukční ohřev. (Czech.) J. Paukner. *Strojírenská Výroba*, v. 4, no. 2, Feb. 1956, p. 70-76.

Survey of Czech and Soviet instruments, machines, and techniques for induction heating, hardening, annealing, forging operations, and welding and similar operations. Tables, photographs, graph. 1 ref.

2/

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

PAUKNER, J.

Attachments for induction heating. p. 70.
STROJIRENSKA VYROBA, Prague, Vol. 4, no. 2, Feb. 1956.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 6, June 1956, Uncl.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

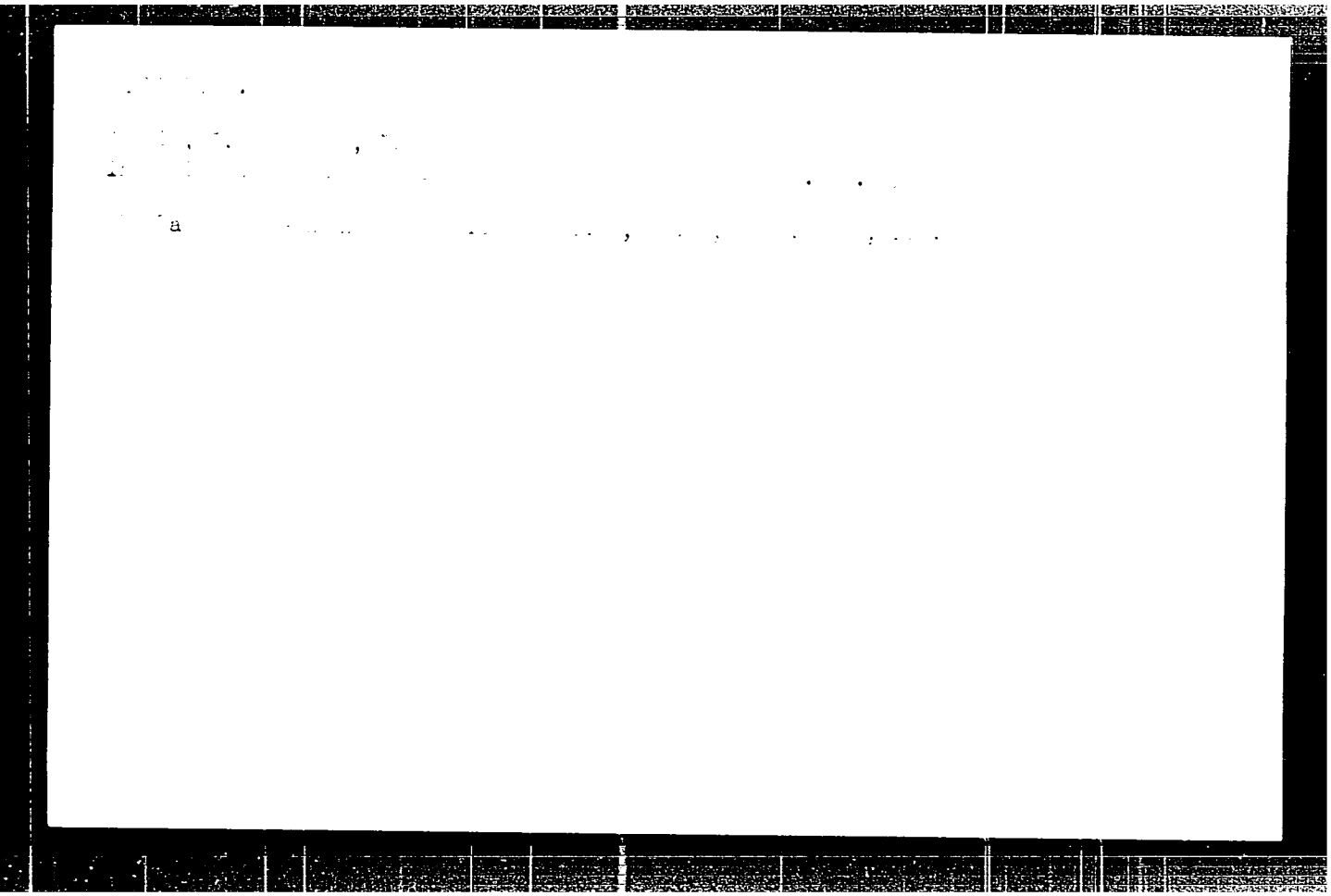
PAUKNER, J.

"Method for surface heat treatment of metals by direct passage of high frequency current." Strojirenstvi, Praha, Vol. 4, No. 7, July 1954, p. 531.

SO: Eastern European Accessions List, Vol. 3, No. 11, Nov. 1954, LC.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1



APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

PAUKNER, J.

"Induction Hardening of Parts of Agricultural Machinery." p. 358, Prahm, Vol. 4, no. 5, May 1954.

SO: East European Accessions List, Vol. 3, No. 9, September 1954, Lib. of Congress

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

CZECHOSLOVAKIA

LITOMISKY, J; PAUKNER, O.

Raw Materials Institute (Ustav nerostnych surovin),
Kutna Hora (for both)

Prague, Casopis pro mineralogii a geologii, No 2, 1963,
pp 167-173

"Quantitative Determination of Thallium in Pyrite by the Spectrochemical Method."

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

LITOMISKY, Jaromir; PAUKNER, O.

Quantitative determination of thallium in pyrite by the spectrochemical method. Cas min geol 8 no.2:167-174 Ap '63.

1. Ustav nerostnych surovin, Kutna Hora.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

LITOMISKY, Jaromir; PAUKNER, Otomar

Use of cinematographic film instead of photographic plates in spectrographic analysis. Chem prum 12 no.9:500 S '62.

1. Ustav nerostnych surovin, Kutna Hora.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

ANDRASI, Janos; PAUKO, Sandor

Adjustment data on the injection pumps of foreign-made tractors.
Mezogazd techn 3 no.1:4-5 '63.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

ANDRASI, Janos; PAUKO, Sandor

Adjustment of injection nozzles and fuel pumps.
Mezogazd techn 3 no.3:12-13 '63.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

ANDREYEVA, Ye.A., kandidat khimicheskikh nauk; ZHUKOV, V.I., inzhener; ZHUKOV, A.D., inzhener; VALUYSKAYA, D.P., inzhener.

Effect of a superimposed continuous current on the bituminous coating of steel pipelines. Trudy VNIISTROINEFT' no.8:52-80 '56. (MLRA 9:11)

(Electrolytic corrosion) (Protective coatings) (Pipelines)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

ANDREYEVA, Ye.A., kandidat khimicheskikh nauk; PAUKOV, A.D.; VAJUYSKAYA, D.P.; RON', F.N., redaktor; DEMIDOV, Ya.F., tekhnicheskiy redaktor

[The effect of superimposed direct current on bituminous covering of steel pipes] Vliianie nalozhennogo postoiannogo toka na bitumnye pokrytiia stal'nykh truboprovodov; nauchnoe soobshchenie. Moskva, Otdel nauchno-tekhn. informatsii, 1955. 15 p. (MLRA 9:12)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut po stroitel'stvu.
(Pipe, Steel--Corrosion) (Protective coating)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

PAUKOV, I.Ye.; TONKOV, Ye.Yu.; MIFINSKIY, D.S.

Phase diagram of sulfur at high pressure. Dokl. AN SSSR. 164 no.3:588-589 S '65. (MIRA 18:9

1. Institut teplofiziki Sibirskogo otdeleniya AN SSSR. Submitted March 22, 1965.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

ACC NR: AP7003337 SOURCE CODE: UR/0076/66/040/012/3094/3097

AUTHOR: Paukov, I. Ye.; Nogteva, V. V.; Yarembash, Ye. I.

ORG: Institute of General and Inorganic Chemistry, AN SSSR (Institut obshchey i neorganicheskoy khimii AN SSSR); Solid State Physics Section, Siberian Branch, VNIIFTRI (Otdel fiziki tverdogo tela Sibirskogo filiala VNIIFTRI)

TITLE: Study of the true heat capacity of rare earth chalcogenides at low temperatures. Part 1: True heat capacity at low temperatures, entropy and enthalpy of La_2Se_3

SOURCE: Zhurnal fizicheskoy khimii, v. 40, no. 12, 1966, 3094-3097

TOPIC TAGS: heat capacity, entropy, enthalpy, lanthanum compound, selenide

ABSTRACT: The article initiates a cycle of studies of the thermodynamic properties of rare earth chalcogenides, aimed at obtaining reliable values of heat capacity and entropy and establishing the rules governing their variation over the entire series of rare earth chalcogenides. The true heat capacity of finely crystalline La_2Se_3 was measured in the 13.4-296°K range with the aid of an adiabatic vacuum calorimeter. Values of absolute entropy $S°_{298.15}$ and difference of enthalpies $H°_{298.15} - H_0°$ under standard conditions were calculated. A systematic deviation of the experimental points from the curve of c_p vs. T°K was observed. The nature of this anomaly has not been elucidated. Orig. art. has: 1 figure and 2 tables.

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Card 2/2

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

L 4873-66 EWT(d)/EWT(l)/EWT(m)/EPF(c)/EEC(k)-2/EPF(n)-2/T/EWP(t)/EWP(b)/EWA(h)
ACCESSION NR: AP5019844 ETC(m) IJP(c) JD/WW/JW UR/0181/65/007/008/2330/2332

AUTHOR: Nogteva, V. V.; Paukov, I. Ye.; Strelkov, P. G. 44,55

TITLE: Specific heat of metallic arsenic at low temperatures

SOURCE: Fizika tverdogo tela, v. 7, no. 8, 1965, 2330-2332

TOPIC TAGS: arsenic, specific heat, temperature dependence, entropy, enthalpy

ABSTRACT: The purpose of the investigation was to study the temperature dependence of the true specific heat of metallic arsenic in the temperature interval 13--60K, and to obtain more accurate values of the absolute entropy at room temperature (298.15K) and the difference between the enthalpies at 0 and 298.15K. The low-temperature measurements were made with apparatus and a procedure similar to that developed by one of the authors (P. G. Strelkov et al. ZhFKh v. 28, 459, 1954). The results are illustrated in Fig. 1 of the enclosure. A certain anomaly in the temperature dependence of the specific heat, probably connected with the prior history of the sample, was observed in one arsenic sample but not in the others. The results indicate that at temperatures 13.9--17K the specific heat is proportional to the temperature raised to the 3.4 power, and at 17--27K the exponent drops to ~2.8. The reason for this change is not yet clear and calls for more measurements at lower temperatures. Orig. art. has: 2 figures and 1 table.

Card 1/3

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

L 4873-66

ACCESSION NR: AP5019844

ASSOCIATION: Institut teplofiziki SO AN SSSR, Novosibirsk (Institute of Thermo-physics, SO AN SSSR)

SUBMITTED: 15Feb65 ENCL: 01 SUB CODE: TD, MM

NR REF SOV: 002 OTHER: 001

Card 2/3

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

L 4873-66

ACCESSION NR: AP5019844

ENCLOSURE: 01

Specific heats and entropy and enthalpy differences

T°, K	C_P (cal/°)(g/at)	$S^\circ_T - S^\circ_{13.9}$, entr.un.	$H^\circ_T - H^\circ_{13.9}$, cal.g.at^{-1}
13.9	0.0851	0	0
15.0	0.1145	0.00758	0.1097
17.0	0.1710	0.0253	0.3943
20.0	0.2711	0.0607	1.051
25.0	0.4992	0.1444	2.947
30.0	0.7783	0.2598	6.133
35.0	1.059	0.4007	10.73
45.0	1.614	0.7335	24.09
60.0	2.435	1.312	54.56
80.0	3.312	1.976	112.6
100.0	3.968	2.789	185.7
150.0	4.928	4.602	410.9
200.0	5.360	6.087	669.4
250.0	5.638	7.313	944.4
298.15	5.899	8.328	1231.9

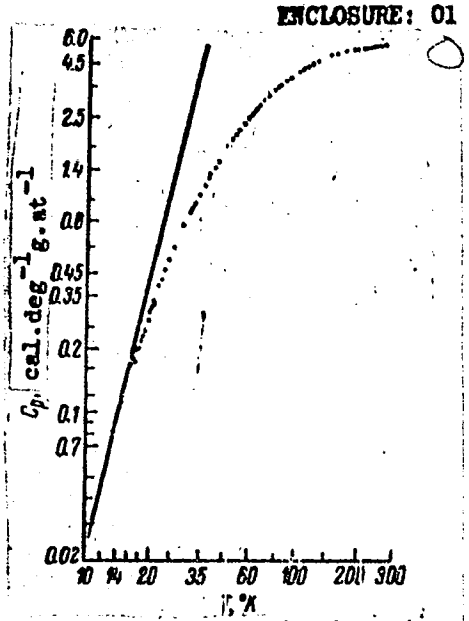

Fig. 1. Temperature dependence of specific heat and other thermodynamic characteristics of metallic arsenic

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

PAUKOV, I. Ye. Cand Chem Sci -- (diss) "Variation of the isobaric-isometric potential of reactions of the polymerization of lactams under standard conditions." Mos, 1959. 12 pp (Mos State Univ Im M. V. Lomonosov. Chem Faculty. Lab of Thermochemistry im V. F. Luginig), 110 copies (KL, 52-59, 117)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

L 1640-66 EWT(d)/EWT(l)/EWT(m)/EPF(c)/EEC(k)-2/EPF(n)-2/T/EWP(t)/EWP(b)/ETC(m)
IJP(c) JD/WW

ACCESSION NR: AP5014850 UR/0020/65/162/003/0543/0545

AUTHORS: Paukov, I. Ye.; Strelkov, P. G. (corresponding member AN SSSR); Norteva, V. V.; Belyy, V. I.

TITLE: Specific heat of black phosphorus at low temperatures

SOURCE: AN SSSR. Doklady, v. 162, no. 3, 1965, 543-545

TOPIC TAGS: entropy, enthalpy, phosphorus, specific heat, low temperature research

ABSTRACT: The purpose of this investigation was to determine the true specific heat of the crystalline modification of black phosphorus, and also to calculate the values of the absolute entropy and enthalpy under standard conditions. The sample investigated was obtained by means of a high pressure bomb, capable of operating up to 13,000 -- 14,000 kg/cm^2 at temperatures up to approximately 300C. The apparatus and the test procedure were essentially similar to those described earlier (P. G. Strelkov et al., ZhFkh v. 28, No. 3, 459, 1954). The results are tabulated. A plot of the specific heat at constant pres-

Card 1/2

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

L 1640-66

ACCESSION NR: AP5014850 3

sure against the temperature showed no anomalies. At low temperatures (14 -- 40K) the specific heat is proportional to the temperature raised to the 2.7 power. At higher temperatures the power is lower, and at temperatures 13 -- 20K it is equal to 2.7, increasing to the third power as called for by the Debye law. It is pointed out in the conclusion that there are no published data on the specific heat of black phosphorus. Orig. art. has: 1 table and 1 figure.

ASSOCIATION: Institut teplofiziki Sibirskogo otdeleniya Akademii nauk SSSR (Institute of Thermophysics, Siberian Department, Academy of Sciences, SSSR)

SUBMITTED: 17Feb65 ENCL: 00 SUB CODE: TD, GP

NR REF SOV: 002 OTHER: 005

Card 2/2

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

KOLESOV, V.P.; PAUKOV, I.Ye.; SKURATOV, S.M.; Prinimali uchastiye: FUN SHI-YAN'; SEREGIN, E.A.

Variation of the isobaric and isothermal potential in the polymerization of lactams under standardized conditions. Zhur. fiz. khim. 36 no.4:770-779 Ap '62. (MIRA 15:6)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.
(Lactams--Thermal properties) (Polymerization)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

5(4) SOV/20-128-1-35/53

AUTHORS: Kolesov, V. P., Paukov, I. Ye., Skuratov, S. M., Seremin, L. A.

TITLE: The Standard Entropies of Some Lactams

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 128, Nr 1, pp 130-132 (USSR)

ABSTRACT: In spite of the numerous papers recently written on the measurement of the real specific heat of substances at low temperatures, data for organic substances are as yet rather sparse. Whereas the alkanes and alkenes have been investigated somewhat more thoroughly, data for heterocyclic compounds are lacking completely. Calculation of entropies according to semiempiric formulas (Refs 1-3) gives inexact values. The authors speak about measurements of specific heat at low temperatures (60 - 350°K) and of the melting heat of the following lactams: α-pyrrolidone, α-piperidone, ε-caprolactam, and ζ-oenanthole-lactam. The synthesis and purification of these compounds was carried out by M. F. Yerofeyeva and V. N. Topchebasheva at the Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo volokna (All-Union Scientific Research Institute for Artificial Fibers). Table 1 shows the measuring

Card 1/3

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The Standard Entropies of Some Lactams

results, figure 2 the variation of specific heat with temperature. This variation is nearly linear, within the temperature interval measured, with different inclination towards the abscissa axis in the case of individual compounds. Table 2 mentions the melting temperatures and melting heats of the lactams investigated. For calculation of the absolute entropies, the curves of the specific heats were extrapolated from 60°K to 0°K by means of equations composed of Debye- and Einstein functions. These equations satisfy the experimental data within the interval of 60 - 170°K. Table 3 gives the absolute entropy standards of the solid lactams at 298.16°K and of liquid lactams at 350°K. There are 1 figure, 3 tables, and 5 references, 1 of which is Soviet.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova (Moscow State University imeni M. V. Lomonosov)

PRESENTED: May 13, 1959, by P. A. Rebinder, Academician

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

L 35039-65 EWT(m)/EWG(m)/EWP(t)/EWP(b) IJP(c) EM-4/ED

ACCESSION NR: AP5005893 S/0020/65/160/003/0619/0620

16
15
B

AUTHOR: Tonkov, Ye. Yu.; Paukov, I. Ye.

TITLE: Melting point-pressure curve of selenium at pressures up to 45,000 kg/cm^2

SOURCE: AN SSSR. Doklady, v. 160, no. 3, 1965, 619-620

TOPIC TAGS: selenium melting point, melting point pressure dependence

ABSTRACT: The pressure dependence of selenium melting temperature at pressures from 13,000 to 45,000 kg/cm^2 has been studied with 99.998%-pure selenium. On the basis of 18 tests the melting point-pressure curve for selenium was plotted (see Fig. 1 of the Enclosure). The melting point-pressure relationship is expressed by the equation

$$\frac{P}{a} = \left(\frac{T}{T_0}\right)^c - 1,$$

where P is pressure, T and T0 the melting points at pressure P and atmospheric pressure, a and c are constants of the material; for selenium, a is 12,000 ± 1,000 kg/cm^2 and c is 2.2 ± 0.1. Orig. art. has: 3 figures, 1 table, and 1 formula. [AZ]

Card 1/3

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

L 35039-65

ACCESSION NR: AP5005893

ASSOCIATION: Institut teplofiziki Sibirskogo otdeleniya Akademii nauk SSSR (Institute of Thermophysics, Siberian Department, Academy of Sciences, SSSR)

SUBMITTED: 08Jul64 ENCL: 01 SUB CODE: MM

NO REF SOV: 002 OTHER: 003 ATD PRESS: 3216

Card 2/3

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

L 35039-65

ACCESSION NR: AP5005893

ENCLOSURE: 01

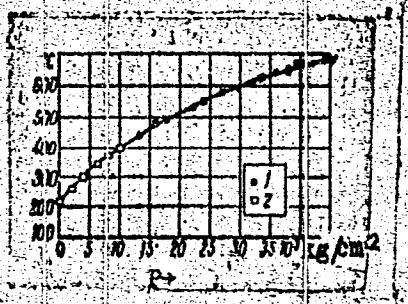

Fig. 1. Pressure dependence of the melting temperature of selenium

1 - Data of this study; 2 - Babb's data

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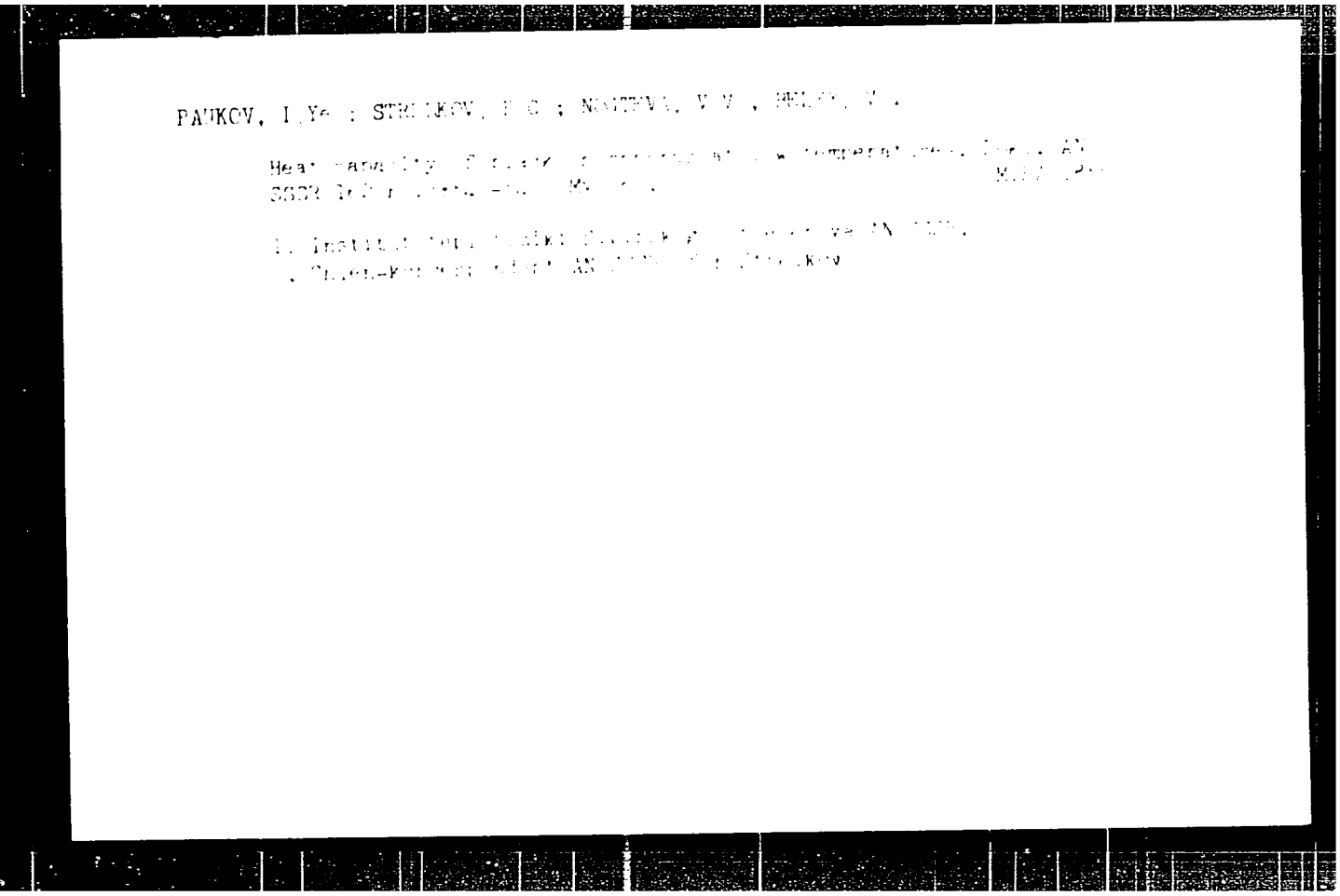
"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1



PAVKOV, I.Ya. ; STRELKOV, P.G. ; NOVIKOVA, V.V. , [illegible]

[illegible]

1. [illegible]

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

PAUKOV, P.V.; SHPEKHT, A.A.

Automation of the manufacture of pistons in the "Avtotraktorodetal'" factory in Tambov. Trakt. i sel'khozmash. 32 no.1:42-45 Ja '62. (MIRA 15:2)

1. Glavnyy inzh. Tambovskogo zavoda "Avtotraktorodetal'" (for Paukov). 2. Rukovoditel' tekhnologicheskogo byuro Tambovskogo zavoda "Avtotraktorodetal'" (for Shpekht).
(Tambov--Pistons) (Assembly-line methods)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

BOLOGA, M.K.; LEVIN, G.M.; PAUKOV, Yu.N.

Effect of vibration on convective heat transfer. Izv. AN Mold. SSR. no.3:82-98 '63. (MIRA 17:12)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

GERASIMOV, Vasiliy Ivanovich, inzh.; PAUKOV, Yelisey Vasil'yevich, inzh.; PASHKEVICH, Aleksey Il'ich, inzh.; PRYAKHIN, Leonid Grigor'yevich, inzh.; PELESHUK, M.I., inzh., nauchnyy red.; VLASOV, P.Ye., red. izd-va; KL'KINA, E.M., tekhn.red.

[Use of refractories and construction of coke ovens] Ogneupornye i montazhnye raboty pri stroitel'stve koksovykh tsekhov. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1960. 498 p. (MIRA 13:12)

(Coke ovens)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

PAUKOVA, Anna

What are the problems in epithelial lesions of the cervix uteri in field gynecological practice. Cesk. gyn. 26[40] no.10:734-737 D '61.

1. Gynekologicke oddeleni UNZ Praha 6.
(CERVIX NEOPLASMS diag)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

SEBEK, V., doc.; PAUKOVA, A.

The treatment of vaginal discharge with particular attention to the so-called restitutional curative phase. Cesk.gyn.25[39] no.6:467-469 Jl'60.

1. Gyn. por. odd. v Praze-Motole, prednosta doc. V.Sebek.
(VAGINA dis)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

SEHEK, V., Doc; FANTOVA, B.; GREGOROVA, E.; JERABKOVA, V.; PAJKOVA, A.; PETER, R., Prof., Dr.Sc.; POHUNEK, M.; REPISTAK, J.; VOJTA, M. Doc.

Treatment of vaginal discharges in adult women. Cesk. gyn. 26[40] no.4:260-265 '61.

(LEUKORRHEA ther)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

SEBEK, V., doc.; PAUKOVA, Anna

Exercise therapy in menorrhagia in adolescents. Cesk.gyn. 26 [40] no.1/2:45-47 F '61.

1. Gyn.-por. odd. nemocnice Praha-Motol, prednosta doc.dr. V.Sebek.
(MENORRHAGIA AND METRORRHAGIA in adolescence)
(EXERCISE THERAPY)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

SEBEK, V., Doc.; PAUKOVA, E.

Biological therapy of torpid leukorrhea by live cultures of Lactobacillus acidophilus. Cesk. gyn. 25[39] no.1/2:116-120 Mr '60.

1. Gyn.por. odd. Praha-Motol, prednosta doc. dr. V. Sebek.
(LEUKORRHEA, ther.)
(LACTOBACILLUS ACIDOPHILUS)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

PAVKOVA, L.

3

CZECHOSLOVAKIA

CHUDOMEL, V; JEZKOVA, Z; PAVKOVA, L; KRATKOVA, E., MD.

1. Institute of Hematology and Blood Transfusion (Ustav hematologie a krevni transfuse), Prague; 2. Laboratory of Plastic Surgery (Laborator plasticke chirurgie), Prague; 3. Children's Internal Medicine Ward of the Thomajerovy Hospital (Detske vnitrni oddeleni Thomajerovy nemocnice), Prague-Krči (for Kratkova)

Prague, Vnitrni lekarstvi, No 3, 1963, pp 260-263

"The Significance of Antibodies Against Renal Tissue in Patients Suffering from Renal Diseases."

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

YUGOSLAVIA

TUNKL, B.; ALERAJ, Z. and RAUKOVIC, C.; Veterinary Institute (Veterinarski Institut) Zagreb.

"Use of Attenuated Fowl-Pox Virus in Preventing Fowl Pox in Poultry Farms."

Belgrade, Veterinarski Glasnik, Vol 20, No 7, 1966; pp 521, 525.

Abstract [English summary modified]: Study with an attenuated strain of fowl-pox virus, lyophilized, passaged through chorioallantoic membrane and injected s.c.; very good results as measured by degree and persistence of immunity in 742500 birds. Table. Manuscript received 11 May 66.

1/1

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

PAUKSH, P.[Pauksa, P.](Riga); EYDUK, Yu.[Eiduks, J.](Riga)

Testing of cast iron used for wet process enameling. Vestis Latv ak no.4:77-84 '61. (EEAI 10:9)

1. Akademiya nauk Latviyskoy SSR, Institut khimii.

(Cast iron) (Enamel and enameling)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

PAUKSE, P.[Pauksa, P.] (Riga); EYDUK, Yu.[Eiduks, J.] (Riga)

Effect of granulometric composition in enamel suspensions on the properties of wet process ground coat enamels for cast iron. Vestis Latv ak no.3:77-84 '61. (EEAI 10:9)

1. Akademiya nauk Latviyskoy SSR, Institut khimii.

(Enamel and enameling)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

PAUKSH, P. [Paukss, P.]; EYDUK, Yu. [Eiduks, J]

Effect of the granulometric composition of dross on the properties of various primings for wet coating of cast iron. Vestis Latv ak no.3:77-86 '61.

1. Institut khimii AN Latviyskoy SSR.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

Pauksh, P.G.

PHASE I BOOK EXPLOITATION SOV/...

Riga. Universitate

Uchenyye zapiski, t. 14, Khimicheskiy fakul'tet, 4 (Scientific Notes. Vol 14, Chemistry Faculty, 4) Riga, 1957. 251 p. 550 copies printed.

Eds. (Title page): A.F. Iyevin'sh, Professor, Doctor of Chemistry; L.K. Lepin', Member of the Academy of Sciences Latviyskaya SSR, Professor, Doctor of Chemistry; G.Ya. Vanag, Professor, Doctor of Chemistry; Tech. Ed.: A. Peterson

PURPOSE: This book is intended for inorganic chemists and scientists in the ceramics industries.

COVERAGE: The book contains 22 articles on organic chemical synthesis and analysis and the physicochemical properties and compositions of ceramic and refractory materials. No personalities are mentioned. Figures, tables, and references accompany the articles.

2. Yanson, E., A. Iyevin'sh, and E. Gudriniyetse. The Use of Sodium Tetraphenylboron in Quantitative Analysis 9

3. Groskaufmanis, A., A. Veize, and U. Alksnis. The Luminescence of Aluminum Oxide Hydrate 17

4. Kalodis, Yu.P. Resistance of the Boundary Layer, Electrode Potential, and the Corrosion of Aluminum in Aluminum Sulfate Solutions 25

5. Vanag, G.Ya. Lignin as a Reagent for Qualitative Determination of Aromatic Nitro Compounds 35

6. Vanag, G.Ya., and A.K. Aren. The Interaction of 2-Bromo-2-phenyl-1, 3-indandione With Primary Amines 41

7. Romadan, I.A. On the Predicted Mechanism of the Alkylation of Naphthalene and Diphenyl With Alcohols Using a BF_3 Catalyst 49

8. Grinshteyn, V., E. Kalninya, and G. Villere. Study of Usninic Acid and Its Derivatives 63

9. Grinshteyn, V., and I. Leymane. The Concentration of Phytotoxins of Prunus Padus and Their Influence on Ferments 79

10. Vedlitan, Ya.P., and P.E. Odintsova. The Problem of Preliminary Hydrolysis [Pre-hydrolysis], With Water and Acid Before Cooking Cellulose in the Sulphate Process 89

11. Kiduka, J. Properties of Typical Clays of the Latvian SSR 99

12. Eyduk, Yu.Ya. Properties of Gypsum Calcined at Low Temperatures 123

13. Freydenfel'd, E. Zh. The Use of Lignophosphogypsum for the Production of Binding Substances 155

14. Freydenfel'd, E. Zh. The Production of Caustic Dolomite 161

15. Ivsalniyetse, A.A., and Yu.Ya. Eyduk. Properties of Some Opaque, Easy Melting, Non-Lead and Non-Boron Glazes for Structural Ceramics 167

16. Freydenfel'd, E. Zh., and Z.Ya. Sprinalis. The Possibility of Using Manganese Open-Hearth Slags for the Production of Binding Substances 173

17. Eyduk, Yu.Ya. Retarders of the Setting Period of Gypsum Calcined at Low Temperatures 179

18. Maksimova, O.S. The Interaction of a Fireclay Refractory With a Fluorine-Containing Glass Batch 195

19. Freydenfel'd, E. Zh., and A.A. Apsitis. Physicochemical Properties of Compositions of the System $CaO-BaO-TiO_2$ 201

20. Ozolinsh, J., and J. Kiduka. The Role of Magnesium Oxide in the Production of Silicate Brick From Dolomitic Lime 211

21. Eyduk, Yu.Ya., P.G. Pauksh, and O.S. Maksimova. The Influence of Some Technical Factors on the Properties of Enamel Coatings on Cast Iron 221

22. Eyduk, Yu.Ya., V.G. Rayne, L.A. Skuya. The Physicochemical Properties of Easy Melting Faience Glazes 225

AVAILABLE: Library of Congress

Card 4/4

JA/rn/efn
9/27/60

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

PAUKSHTEL', B.F.; NOVIKOV, I.K.; GAL'PER, Kh.T.

Results of the organization of an anesthesiological service in Mogilev Province. Zdrav. Bel. 9 no.2:62 F'63. (MIRA 16:7)
(MOGILEV PROVINCE—ANESTHESIA)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

PAUKSHTEL', B.F.; MAMAYEV, L.A.

Relaparotomy for postoperative intraventral hemorrhage.
Zdrav. Bel. 8 no.6:62 Je '62. (MIRA 16:8)

1. Iz khirurgicheskogo otdeleniya Belynichskoy rayonnoy bol'-
nitsy (glavnyy vrach R.R.Shpakovskiy)
(GASTROINTESTINAL HEMORRHAGE) (STOMACH—SURGERY)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

5(4)
AUTHORS: Paukov, I. Ye., Kolesov, V. P., Skuratov, S. M. SOV/20-126-2-27/64

TITLE: The Variation of the Isobaric-Isothermal Potential Under Standard Conditions for the Reaction of the Polymerization of ε-Caprolactam (Izmeneniye izobarno-izotermicheskogo potentsiala pri standartnykh usloviyakh dlya reaktsii polimerizatsii ε-kaprolaktama)

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 126, Nr 2, pp 325-326 (USSR)

ABSTRACT: The present paper describes the results obtained by measuring the true specific heat of ε-caprolactam and poly-ε-caprolactam within the temperature range of 60 - 373°K. From these data ΔS and ΔZ (the significance of these quantities is not defined) are calculated for the polymerization reaction of ε-caprolactam under standard conditions. Measurements were carried out in an adiabatic vacuum calorimeter already described (Ref 5). A new calorimetric ampoule was constructed for the present investigation. Good agreement was, by the way, found to exist with the results obtained by other authors. The ε-caprolactam was distilled

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

5 times in an atmosphere of dry nitrogen, after which it was dried a long time over phosphorus pentoxide. The quantity of impurities in ε-caprolactam was 0.05 mol%. The poly-ε--caprolactam preparation was produced by dissolving the technical preparation in formic acid and by slow precipitation with water. Further treatment of the sample is briefly discussed. The values of the specific heat of ε-caprolactam and poly-ε-caprolactam are shown (in abridged form) in a table. For ε-caprolactam the deviation of some points from the smoothed curve c_p - T usually amounted to not more than 0.1 %, and only in rare cases they amounted to 0.2 % For poly-ε-caprolactam these deviations may attain a value of 0.4 %. When measuring specific heat, the value 3847±8 cal/mol was obtained for the melting heat of ε-caprolactam, and for the melting point of pure ε-caprolactam the value 342.305°K was found. Neither the monomer nor the polymer shows an anomalous behavior of specific heat within the temperature range of from 60 to 373°K. The anomaly found in the course

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

of an earlier investigation (Ref 7) was not confirmed. The standard values of the absolute entropies ($S^{o}_{298.16}$) were computed by numerical integration from the curves c_p - ln T. For $S^{o}_{298.16}$ of ε-caprolactam and of poly-ε-caprolactam the authors found the values 40.26 and 41.36 entropy units respectively. In the polymerization of ε-caprolactam at 298.16°K entropy is therefore varied by +1.1 entropy units. For this reaction the value of ΔH is -3.7 kcal/mol. Therefore, the isobaric-isothermal potential of this reaction at 298.16°K is varied by ΔZ = -4.0 kcal/mol. The amount of this variation is thus essentially determined by the variation of enthalpy. There are 1 table and 7 references, 4 of which are Soviet.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova (Moscow State University imeni M. V. Lomonosov)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

The Variation of the Isobaric-Isothermal Potential Under Standard Conditions for the Reaction of the Polymerization of ε-Caprolactam

SOV/20-126-2-27/64

PRESENTED: February 6, 1959, by P. A. Rebinder, Academician

SUBMITTED: February 4, 1959

Card 4/4

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

PAUKOV, N.U., starshiy master stana 500

Work on one's own belongings. Metallurg 3 no.7:40 Jl '58.
(MIRA 12:1)

1. Magnitogorskiy metallurgicheskiy kombinat.
(Rolling mills--Maintenance and repair)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

AUTHOR: Pavkov, M.U. SOV/130-58-7-21/35

TITLE: Work Experience —— Our National Heritage (Opyt raboty na rodnoye dostoyaniye)

PERIODICAL: Metallurg, 1958, Nr 7, p 40 (USSR).

ABSTRACT: In this autobiographical sketch, the author describes the early history of the 500-mill at the Magnitogorsk Metallurgical Combine and outlines how some of the difficulties were overcome (e.g. in the rolling of flanged sections) and improvements made (e.g. in rolling rounds and squares). New sections have been rolled and a method for doubling roll life has been developed after investigations with Engineer S.P.Orl. At present, the mill produces Nr 12 and Nr 14 new-standard lightened channels and is starting to produce the angles. He emphasises the value of accumulated operating experience. There is 1 figure.

ASSOCIATION: Magnitogorskiy metallurgicheskiy kombinat (Magnitogorsk Metallurgical Combine)

Card 1/1

1. Rolling mills--Performance 2. Rolling mills--USSR

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

ORBL, S.P.;PAUKOV, N.U.

Better utilization of rolls. Metallurg 2 no.3:20-21 Mr '57.
(MLRA 10:4)

1. Nachal'nik smeny stana 500 (for Orel). 2. Starshiy master stana 500 Magnitogorskogo metallurgicheskogo kombinata (for Paukov)
(Rolls (Iron mills))

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

AUTHOR: Pankov, N.U. SOV/130-58-7-24/35

TITLE: Work Experience —— Our National Heritage (Opyt raboty na rodnoye dostoyaniye)

PERIODICAL: Metallurg, 1958, Nr 7, p 40 (USSR).

ABSTRACT: In this autobiographical sketch, the author describes the early history of the 500-mill at the Magnitogorsk Metallurgical Combine and outlines how some of the difficulties were overcome (e.g. in the rolling of flanged sections) and improvements made (e.g. in rolling rounds and squares). New sections have been rolled and a method for doubling roll life has been developed after investigations with Engineer S.P.Orl. At present, the mill produces Nr 12 and Nr 14 new-standard lightened channels and is starting to produce the angles. He emphasises the value of accumulated operating experience. There is 1 figure.

ASSOCIATION: Magnitogorskiy metallurgicheskiy kombinat (Magnitogorsk Metallurgical Combine)

Card 1/1 1. Rolling mills--Performance 2. Rolling mills--USSR

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

AUTHORS: Orel, S.P., (Shift Manager of the 500-rolling mill), and Paukov, N.Yu, (Senior foreman of the mill). 130-3-10/22

TITLE: Experience in improving the utilization of rolls. (Opyt uluchsheniya ispol'zovaniya valkov).

PERIODICAL: "Metallurg" (Metallurgist), 1957, No.3, pp.20-21 (U.S.S.R.)

ABSTRACT: The 500-mill considered in this article consists of nine two-high stands. The wide variety of sections rolled by this mill requires a very large roll-store. Examples are briefly given of schemes for regrinding rolls which have considerably increased their service life when rolling channels, bars, rails and reinforcing rounds. There is 1 diagram.

ASSOCIATION: Magnitogorsk Metallurgical Combine (Magnitogorskiy Metallurgicheskiy kombinat).

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

PAUKOV, P.

(PRZEGLAD ODLEWNICTWA, Vol. 3, No. 1, Jan. 1953, Krakow, Poland)
"Cast-iron tools with theeth of cemented carbides. Tr. From the Russian," p. 30

SO: MONTHLY LIST OF EAST EUROPEAN ACCESSIONS, L.C., Vol. 3, No. 4, APRIL 1954

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

PAUKOV, Petr Vasil'yevich; SHPEKHT, Oleg Adamovich; KORNEYEV, S.G., red.; POPOV, V.N., tekhn. red.

[From automatic machines to an automatic plant]Ot stankov-avtomatov k zavodu-avtomatu. Tambov, Tambovskoe knizhnoe izd-vo, 1962. 39 p. (MIRA 15:11)

(Automation)
(Tambov Province—Tractor industry)
(Tambov Province—Automobile industry)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

PAUKOV, Semen Markovich, ogronom; POLYAKOVA, V., red.; PAVLOVA, S., tekhn. red.

[Over-all mechanization of a dairy farm] Kompleksnaia mekhanizatsiia molochnoi fermy. Moskva, Mosk. rabochii, 1961. 35 p. (MIRA 14:7)

1. Predsedatel' kolkhoza imeni Dzerzhinskogo Lyuberetskogo rayona Moskovskoy oblasti (for Paukov)
(Dairying) (Farm mechanization)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

PAUKSH, P.[Paukss,P.](Riga); EYDUK, Yu.[Eiduks,J.](Riga); KAMINSKIS,Ya.[Kaminskis,J.](Riga)

Effect of the preparation method on the properties of fritted base glaze of type borax, sand. In Russian. Vestis Latv ak no.3: 119-124 '60. (EEAI 10:7)

1. Akademiya nauk Latviyskoy SSR, Institut khimiyi.
(Borax) (Glazes) (Sand)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

EYDUK,Yu.[Eiduk,J.](Riga); PAUKSH,P.[Pauksa,P.](Riga)

Effect of the fineness of admixture grinding on the properties of fritted prime coat enamels. In Russian. Vestis Latv ak no.5: 105-108 '60. (EKAI 10:7)

1. Akademiya nauk Latviyskoy SSR, Institut khimii.
(Enamel and enameling)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

PAUKSH, P.G.

15(2)

AUTHOR: Vargin, V.V. SOV/72-58-12-22/23

TITLE: Conference on Enamels and Metal Enameling (Soveshchaniye po emalyam i emalirovaniyu metallov)

PERIODICAL: Steklo i keramika, 1958, Nr 12, pp 47-48 (USSR)

ABSTRACT: The organizers of the conference were: Leningradskoye oblastnoye nauchno-tekhnicheskoye obshchestvo promyshlennosti stroitel'nykh materialov (Leningrad Oblast Scientific and Technical Society of the Industry of Building Materials), Leningradskiy sovnarkhoz (Leningrad Council of National Economy) and Leningradskiy tekhnologicheskiy institut imeni Lensoveta (LTI) (Leningrad Technological Institute imeni Lensovet (LTI). The program of the conference included: the most important problems of enamel synthesis, enameling of metal products and industrial apparatus. About 250 experts took part in the conference: representatives from works in the UkrSSR, Ural, Novosibirsk, Ulan-Ude, Kuznetsk, Dzerzhinsk, as well as functionaries of the universities, of the scientific research and design institutes in Leningrad, Moscow, Novocherkassk, Dnepropetrovsk, Sverdlovsk, Riga, Khar'kov, and other towns. More than 40 reports were given and discussed. Professor A S Yevstrop'yev, director of the LTI imeni Lensovet, in his opening speech stressed the great economic importance of the problem of enameling

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metal products and apparatus.

Ye.I. Litvinova (LTI imeni Lensovet) reported on the influence of metal quality on the formation of "fish-scales" in enameling.

A.A. Appen, Institut khimii silikatov AN SSSR (Institute of Silicate Chemistry of the AS USSR), spoke on the present stage of the problems of calculating the properties of glass and enamels according to their composition.

M.V. Serebryakova (LTI imeni Lensovet) gave a survey of foreign literature on enamels and metal enameling.

N.N. Lifshits, Nauchno-issledovatel'skiy institut sanitarnoy tekhniki (Scientific Research Institute of Sanitary Engineering, reported on the enameling of products in the electric field of a corona discharge.

Card 2/6

I.G. Petrunya, Luganskiy zavod imeni Artema (Luganskiy Works imeni Artema) spoke of new types of enameled steel products made in this factory.

Ye.P. Nikitin, Ural'skiy politekhnicheskiy institut (Ural'skiy Polytechnical Institute) reported on the character of interaction between metals and melted enamels.

N.S. Smirnov, Ural'skiy nauchno-issledovatel'skiy institut chernykh metallov (Ural'skiy Scientific Research Institute of Ferrous Metals) reported on the influence of the condition of the steel surface on the formation of the enamel coat.

A.I. Borisenko, Institute of Silicate Chemistry of the AS USSR, spoke on the new method of obtaining thin silicate coats of semi-colloid solutions.

Ye.N. Podkletnov spoke on a new enameling method with heating of the products by high-frequency currents.

P.A. Rozhdestvenskiy, Lys'venskiy metallurgicheskiy zavod (Lys'venskiy Metallurgic Works) gave informations on new enamels used by the factory.

T.I. Polyutsan, Novosibirskiy metallurgicheskiy zavod (Novosibirskiy Metallurgic Works) reported on the dependence of the moistening angle and the enamel deliquescence on the correlation of boric acid and boric salts.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

P.G. Pauksh, Latviyskiy gosudarstvennyy universitet (Latvian State University) reported on the investigation of fritted prime enamels for coating cast iron.

V.Ya. Lokshin, Scientific Research Institute of Sanitary Engineering, spoke on the influence of chemical composition on some properties of easily fusible powder enamels.

By the LTI imeni Lensovet the following reports were given:

L.L. Ostorova on prime-less steel and aluminum enameling.

M.V. Serebryakova on non-plumbic silicate enamels for aluminum.

G.A. Kudryavtseva on slightly colored antimony enamels.

Yu.V. Mazurek on the investigation of a systematic series of oxides for obtaining blue and brown pigments.

The Novocherkassk Polytechnical Institute gave the following reports:

K.P. Azarov on new methods of enamel testing, and on the influence of iron oxide on the physico-chemical properties of the prime coat.

V.G. Zerin on the importance of the gas phase in the burning process of the prime coat.

Ye.M. Chistova on phosphate enamels.

Ye.I. Podreyzina on prime-less coats.

Collaborators of the Dnepropetrovsk Chemical-Technological Institute reported:

G.I. Belyayev on the acid content and basicity of enamels, and on the influence of the composition on some properties of prime enamels.

Yu.D. Barinov on the damping of enamels by antimony.

L.V. Purin, Leningradskiy khimiko-pishchevoy kombinat (Leningrad Chemical Foodstuff Kombinat) and S.I. Solyanik (NIIKhIMMASh), on the experiment of manufacturing enameled chemical apparatus of steel.

A.N. Semenova spoke on the causes of blistering of prime enamels at the Zaporozhskiy "Metiznyy" zavod (Zaporozh'ye "Metiznyy" Works) and the methods of preventing this fault.

V.I. Savchenko, Lugansk Works imeni Artem, reported on the successful application of vibration grinding for crushing sand and non-[illegible] enamel layers, as well as on the experiment of using white titanium enamels.

V.G. Zayev reported on the improvement in the burning technology of enamel coats in connection with the change-over of furnaces to gas, as well as on prospects of muffle-less burning.

V.A. Oborin reported on the work of the design office of the enamel manufacture at the Lys'venskiy Metallurgic Works.

D.I. Yegorov, representative of the State Office for Planned Economy on the planned production volume for the next years, as well as on the standard specifications of borax consumption provided.

The members of the conference passed resolutions for obtaining an improvement in the quality of enameled products, as well as for increasing their production and creating a new technology and new production methods.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1

PAUKOV, P. V.

Metal Cutting

Cast iron instruments with hard-alloy surfaces. Stan. i instr., 23, No. 4, 1952.

9. Monthly List of Russian Accessions, Library of Congress, November 1952 Uncl.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239510009-1"

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PAUKOV, V.V., fel'dsher

Control of helminth infections at feldsher and midwife centers.
Fel'd.i akush. no.4:47-48 Ap '55. (MLRA 8:7)

1. Sykhodol'skiy fel'dsherako-akusherskiy punkt.
(HELMINTH INFECTIONS, prev. and control,
in Russia)

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PAUKOV, Ye.V.

The book of K.I.Igalov, G.S.Khalabuzar' and S.I. Kaftan "Starting up coke ovens." Reviewed by E.V. Paukov. Koks i khim. no.8:59-60 '56. (MLRA 10:1)

1. Koksokhimmontazh.
(Coke ovens)

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ACC NR: AP6013159 (A) SOURCE CODE: CZ/0078/66/000/004/0025/0025

INVENTOR: Paukovic, Marian Jan (Bratislava); Kovac, Jaroslav (Engineer; Candidate of Sciences; Bratislava)

ORG: None

TITLE: [A smoke-producing mixture] CZ Pat. No. PV 2845-64, Class 78d

SOURCE: Vynalezy, no. 4, 1966, 25

TOPIC TAGS: smoke generator, chlorinated aromatic compound, potassium chloride, naphthalene

ABSTRACT: This patent introduces a mixture which produces smoke by the reaction between lindane and metals. The product is made up of 20/85% isomers of lindane separated during the production of the pure γ-isomer of benzene hexachloride, 5-20% aluminum and 10-25% zinc, and/or 20-40% zinc oxide, and/or 5-10% ammonium chloride, and/or 10-25% naphthalene and/or 5-20% of some such oxidizing agent as potassium nitrate or potassium chloride. [Translation]

SUB CODE: 19 SUBM DATE: 18May64

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