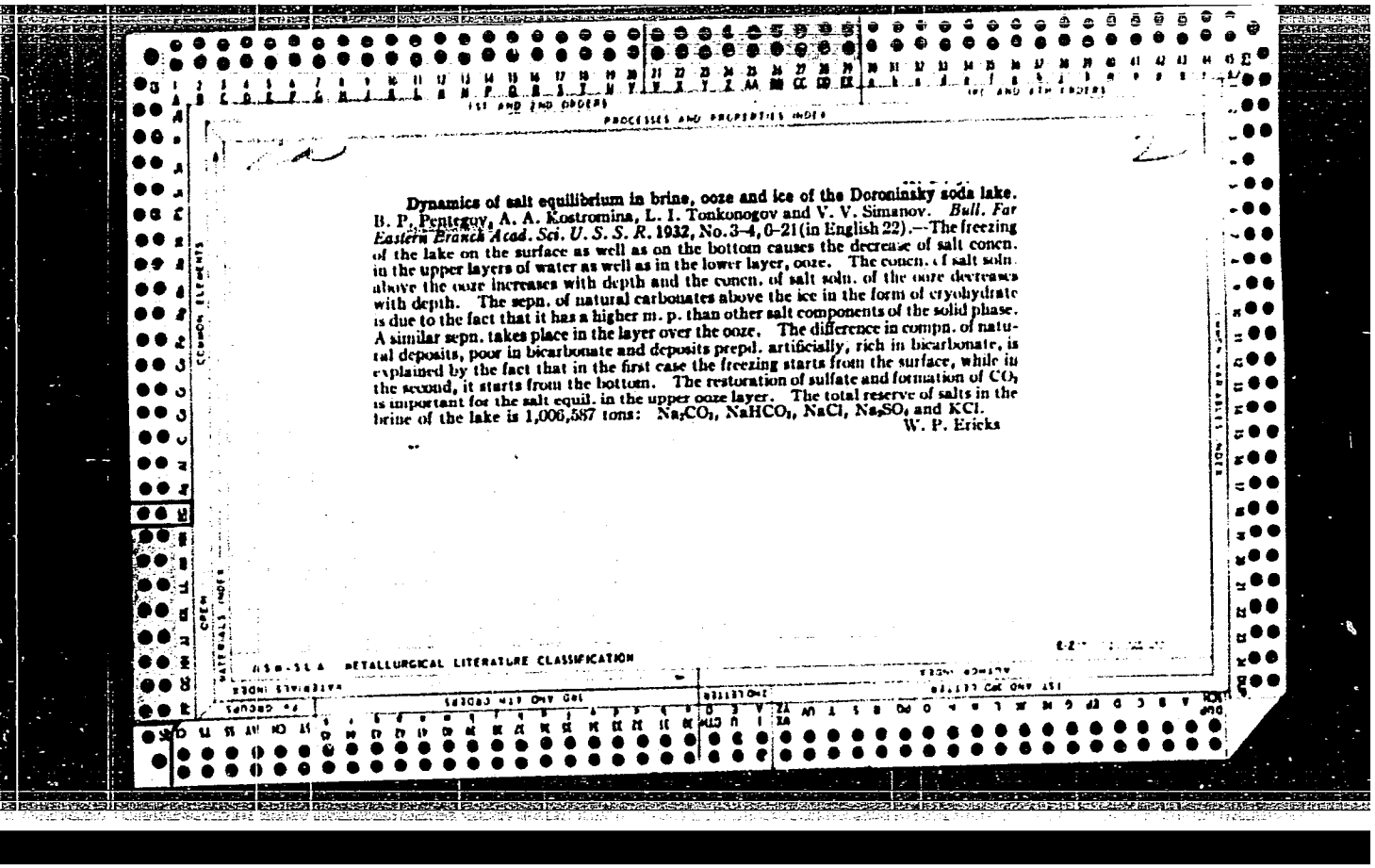
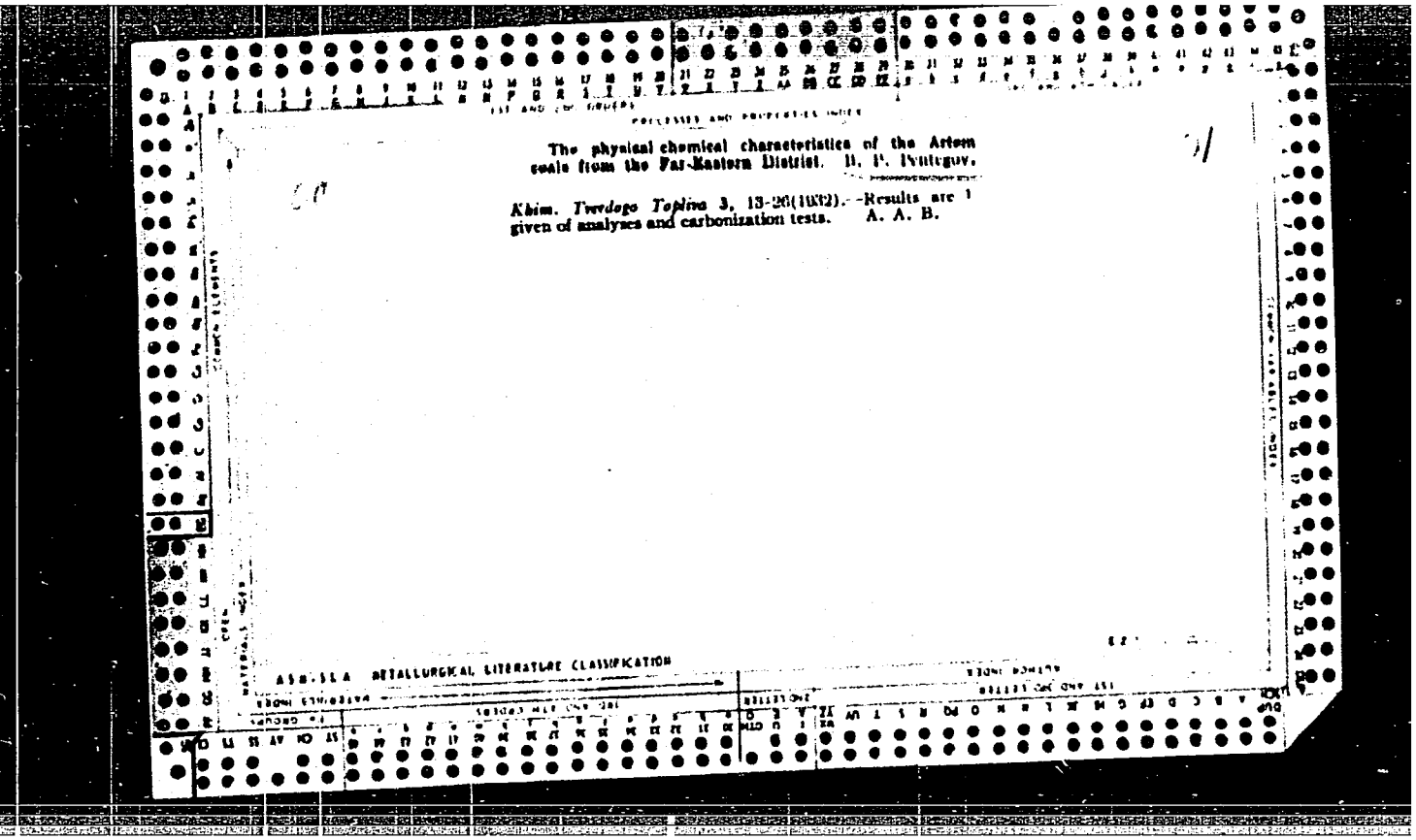


Dynamics of salt equilibrium in brine, ooze and ice of the Doroninsky soda lake. B. P. Pentegov, A. A. Kostromina, L. I. Tonkonogov and V. V. Simanov. *Bull. Far Eastern Branch Acad. Sci. U. S. S. R.* 1932, No. 3–4, 6–21 (in English 22).—The freezing of the lake on the surface as well as on the bottom causes the decrease of salt concn. in the upper layers of water as well as in the lower layer, ooze. The concn. of salt soln. above the ooze increases with depth and the concn. of salt soln. of the ooze decreases with depth. The sepn. of natural carbonates above the ice in the form of cryohydrate is due to the fact that it has a higher m. p. than other salt components of the solid phase. A similar sepn. takes place in the layer over the ooze. The difference in compn. of natural deposits, poor in bicarbonate and deposits prepd. artificially, rich in bicarbonate, is explained by the fact that in the first case the freezing starts from the surface, while in the second, it starts from the bottom. The restoration of sulfate and formation of CO_2 is important for the salt equil. in the upper ooze layer. The total reserve of salts in the brine of the lake is 1,006,587 tons: Na_2CO_3, $NaHCO_3$, NaCl, Na_2SO_4 and KCl.

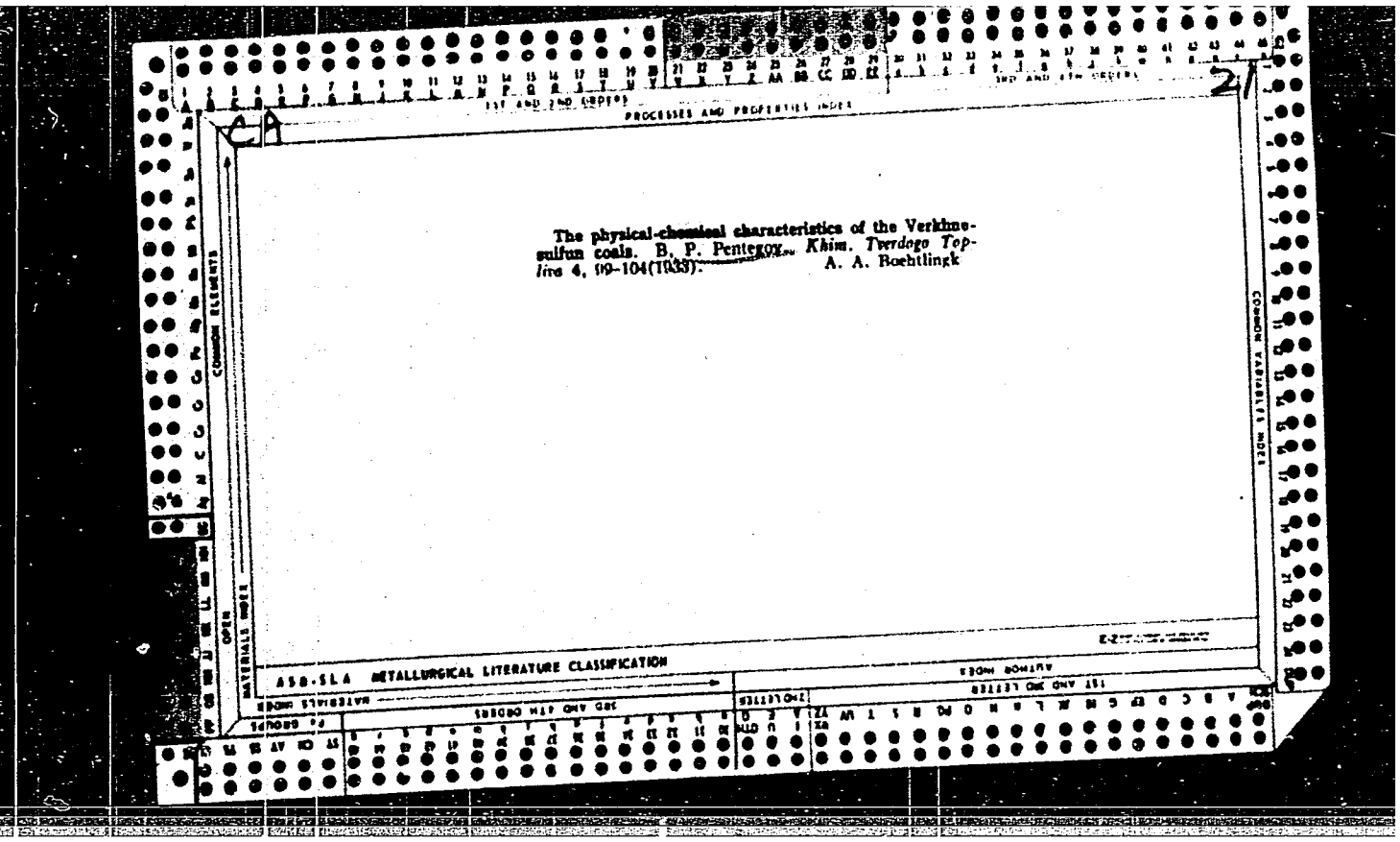
W. P. Ericks

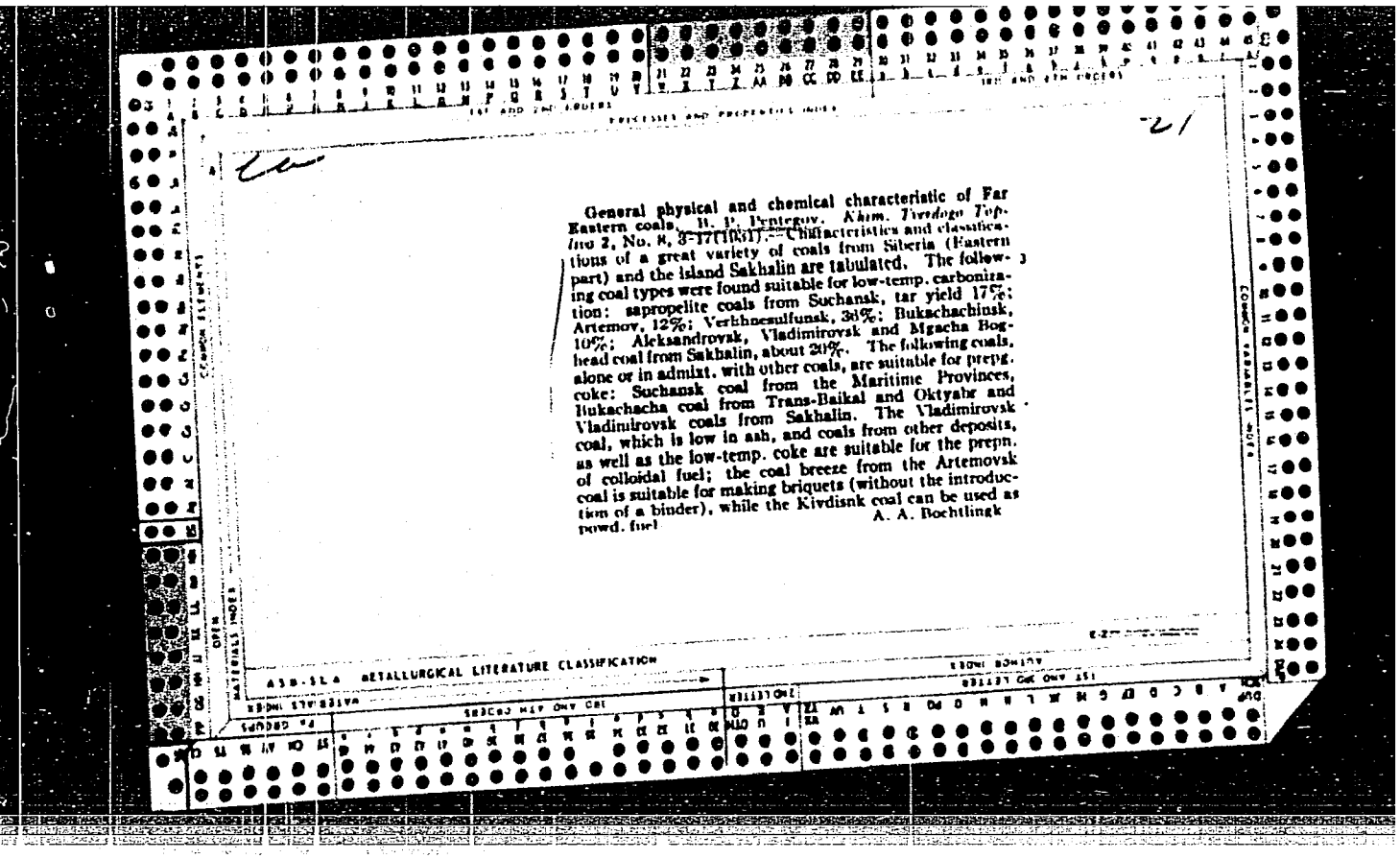


The physical chemical characteristics of the Artem coals from the Far-Eastern District. B. P. Ivanitzov.

Khim. Tverdogo Topliva 3, 13-26(1932).—Results are given of analyses and carbonization tests. A. A. B.

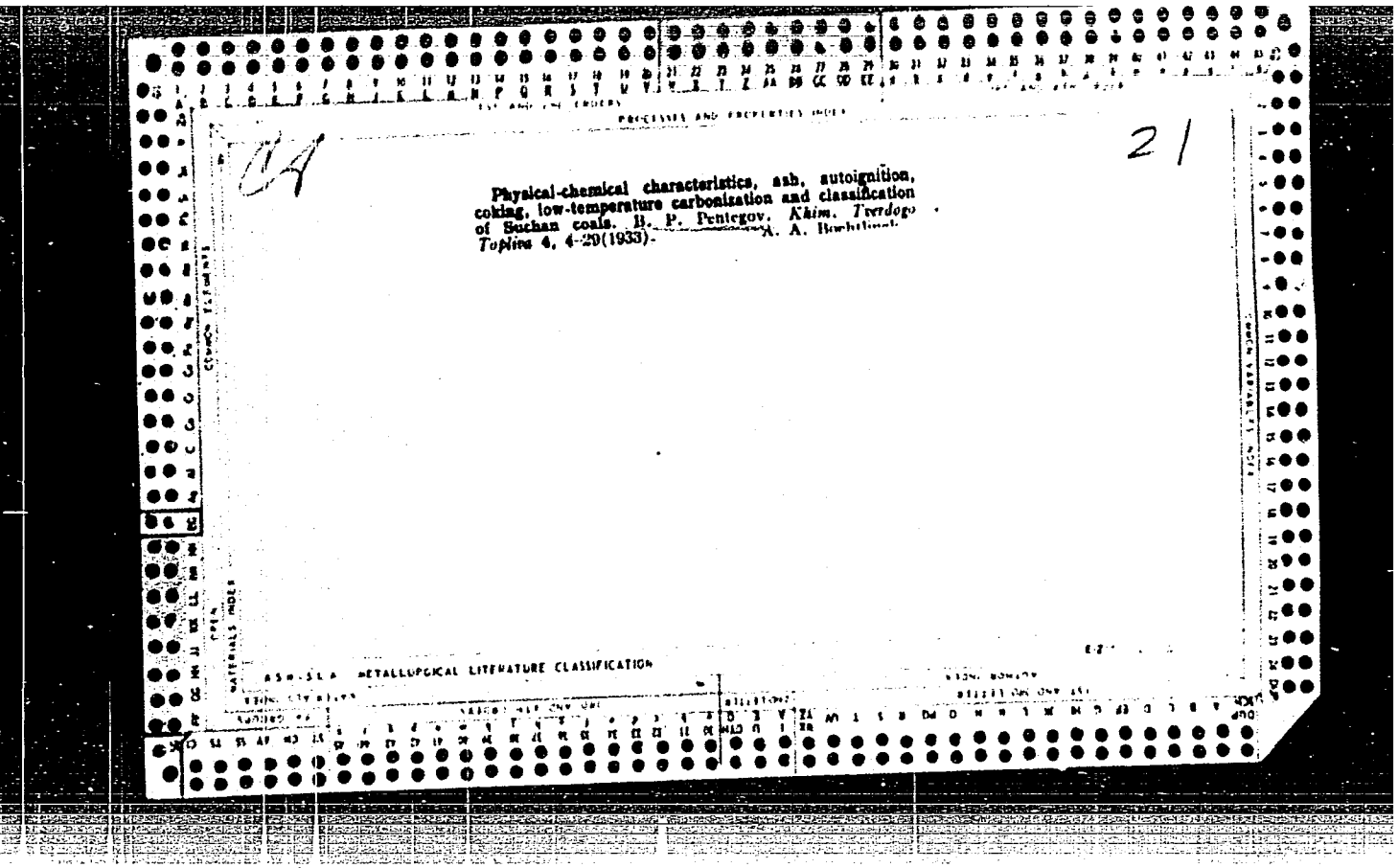
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION



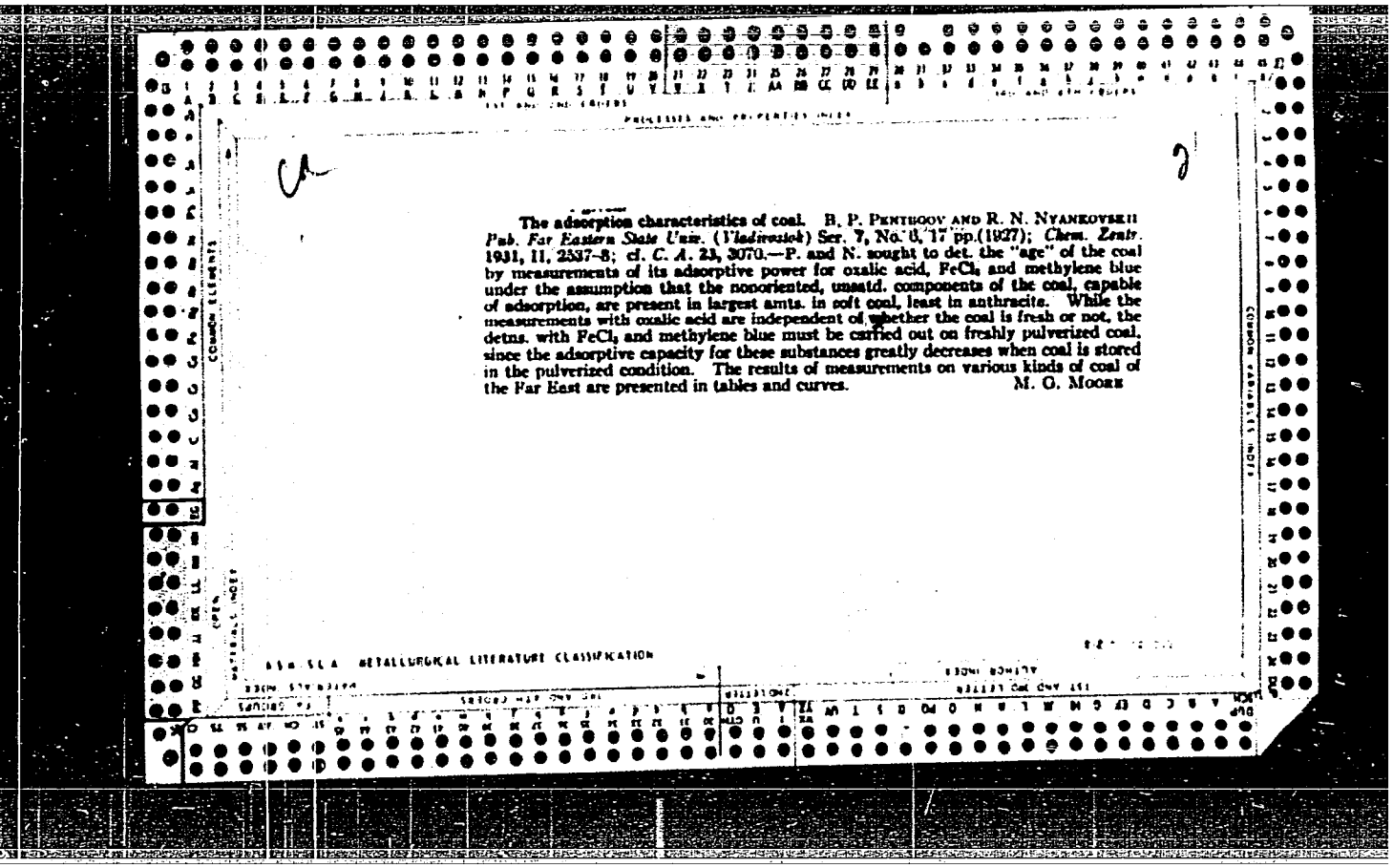


General physical and chemical characteristic of Far Eastern coals. N. P. Penteguv. *Khim. Tverdogo Topliva* 2, No. 8, 3-17(1931).—Characteristics and classifications of a great variety of coals from Siberia (Eastern part) and the island Sakhalin are tabulated. The following coal types were found suitable for low-temp. carbonization: sapropelite coals from Suchansk, tar yield 17%; Artemov, 12%; Verkhnesulfunsk, 36%; Bukachachinsk, 10%; Aleksandrovsk, Vladimirovsk and Mgacha Bog-head coal from Sakhalin, about 20%. The following coals, alone or in admixt. with other coals, are suitable for prepg. coke: Suchansk coal from the Maritime Provinces, Bukachacha coal from Trans-Baikal and Oktyabr and Vladimirovsk coals from Sakhalin. The Vladimirovsk coal, which is low in ash, and coals from other deposits, as well as the low-temp. coke are suitable for the prepn. of colloidal fuel; the coal breeze from the Artemovsk coal is suitable for making briquets (without the introduction of a binder), while the Kivdisnk coal can be used as powd. fuel.

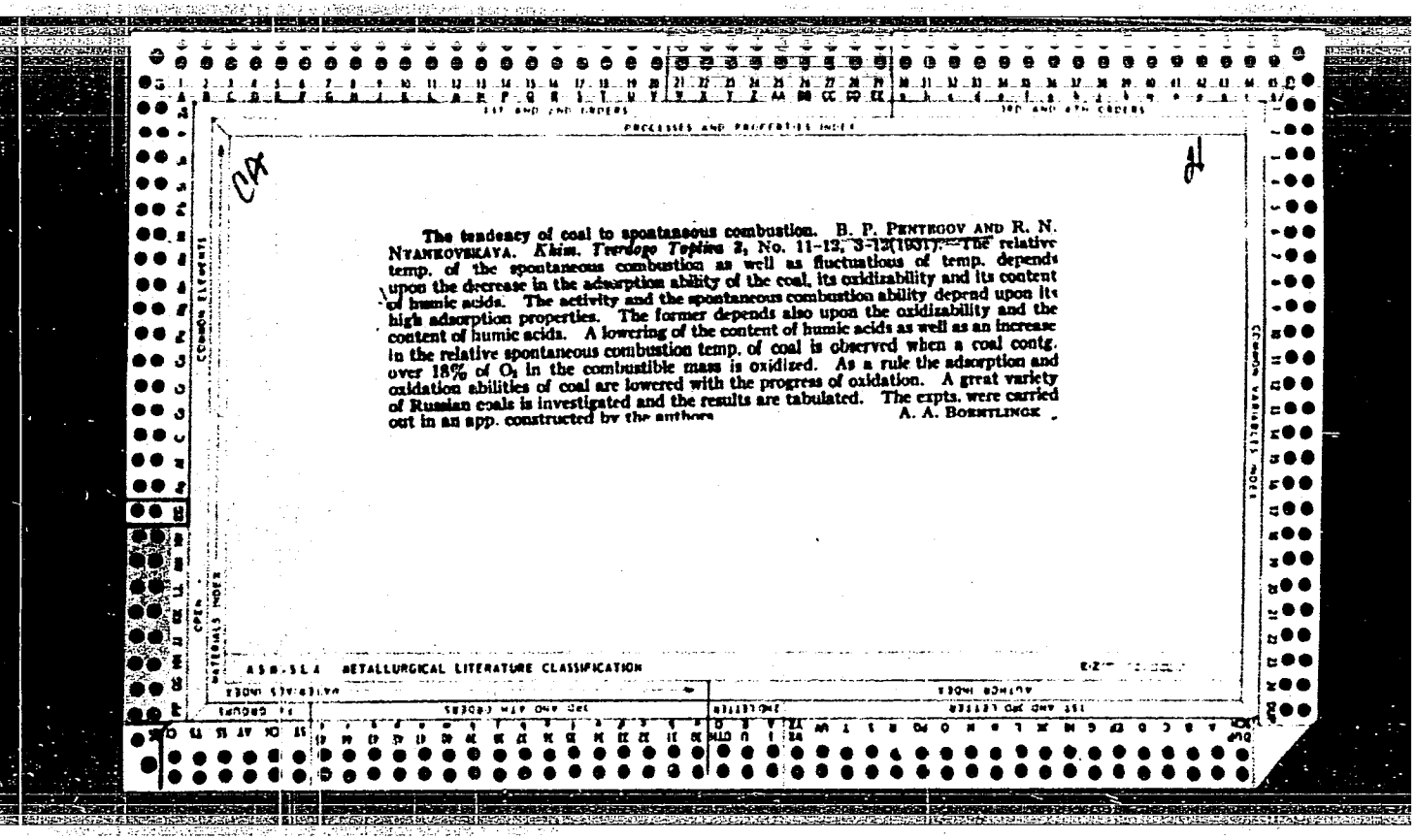
A. A. Bochtlingk



Physical-chemical characteristics, ash, autoignition, coking, low-temperature carbonization and classification of Suchan coals. B. P. Penigov. *Khim. Tverdogo Topliva* 4, 4-29(1933).



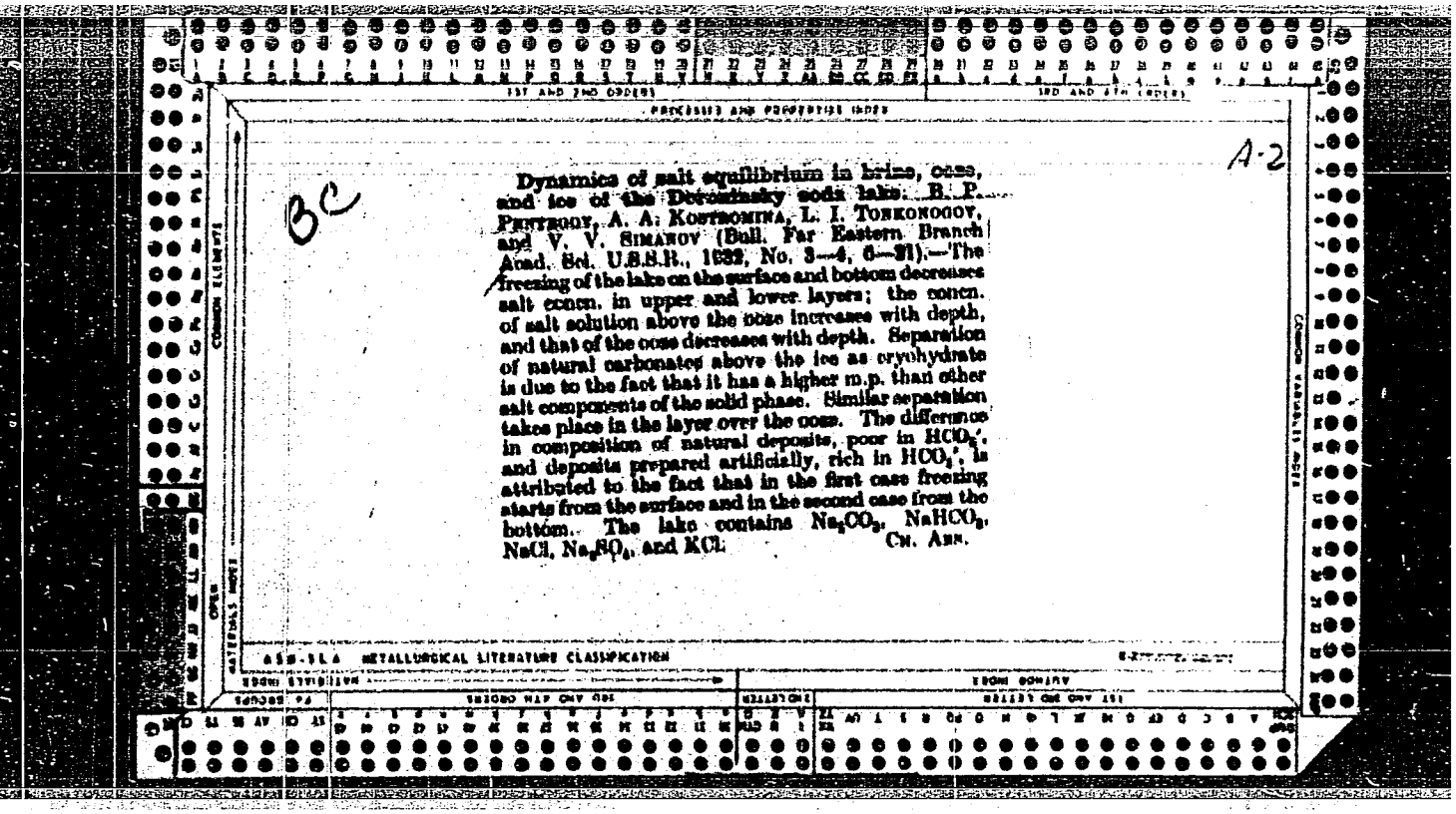
The adsorption characteristics of coal. B. P. Pentegov and R. N. Nyankovskii *Pub. Far Eastern State Univ.* (*Vladivostok*) Ser. 7, No. 8, 17 pp.(1927); *Chem. Zentr.* 1931, II, 2537–8; cf. *C. A.* 23, 3070.—P. and N. sought to det. the "age" of the coal by measurements of its adsorptive power for oxalic acid, $FeCl_3$ and methylene blue under the assumption that the nonoriented, unsatd. components of the coal, capable of adsorption, are present in largest amts. in soft coal, least in anthracite. While the measurements with oxalic acid are independent of whether the coal is fresh or not, the detns. with $FeCl_3$ and methylene blue must be carried out on freshly pulverized coal, since the adsorptive capacity for these substances greatly decreases when coal is stored in the pulverized condition. The results of measurements on various kinds of coal of the Far East are presented in tables and curves. M. G. Moore



The tendency of coal to spontaneous combustion. B. P. Pentkoov and R. N. Nyankovskaya. *Khim. Tverdogo Topliva* 2, No. 11-12, 3-12(1931). The relative temp. of the spontaneous combustion as well as fluctuations of temp. depends upon the decrease in the adsorption ability of the coal, its oxidizability and its content of humic acids. The activity and the spontaneous combustion ability depend upon its high adsorption properties. The former depends also upon the oxidizability and the content of humic acids. A lowering of the content of humic acids as well as an increase in the relative spontaneous combustion temp. of coal is observed when a coal contg. over 18% of O_2 in the combustible mass is oxidized. As a rule the adsorption and oxidation abilities of coal are lowered with the progress of oxidation. A great variety of Russian coals is investigated and the results are tabulated. The expts. were carried out in an app. constructed by the authors

A. A. Bornlingk

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



BC

A-2

Dynamics of salt equilibrium in brine, ooze, and ice of the Doroshinsky soda lake: B. P. Petrenov, A. A. Kostromina, L. I. Tonkonogov, and V. V. Simanov (Bull. Far Eastern Branch Acad. Sci. U.S.S.R., 1932, No. 3—4, 6—21).—The freezing of the lake on the surface and bottom decreases salt concn. in upper and lower layers; the concn. of salt solution above the ooze increases with depth, and that of the ooze decreases with depth. Separation of natural carbonates above the ice as cryohydrate is due to the fact that it has a higher m.p. than other salt components of the solid phase. Similar separation takes place in the layer over the ooze. The difference in composition of natural deposits, poor in HCO_3', and deposits prepared artificially, rich in HCO_3', is attributed to the fact that in the first case freezing starts from the surface and in the second case from the bottom. The lake contains Na_2CO_3, $NaHCO_3$, NaCl, Na_2SO_4, and KCl. Ch. Abs.

L 28473-66 EWP(k)/EWT(d)/EWT(m)/EWP(h)/T/EWA(d)/EWP(v)/EWP(t)/ETI JD/HM

ACC NR: AP6010141 SOURCE CODE: UR/0125/66/000/003/0040/0041

43
B

AUTHOR: Pentegov, I. V.

ORG: Institute of Electric Welding im. Ye. O. Paton, AN UkrSSR (Institut elektrosvarki AN UkrSSR)

TITLE: Selecting the number of turns for the primary windings of transformers in percussion welding machines 14

SOURCE: Avtomaticheskaya svarka, no. 3, 1966, 40-41

TOPIC TAGS: electric transformer, resistance welding, welding equipment component

ABSTRACT: A percussion welding machine must be designed to as to assure the necessary regimes of the welding of metals of every anticipated thickness and type; hence its design must allow for the corresponding maximal W_{max} and minimal W_{min} amounts of energy that must be stored in the capacitor battery. It is shown that the number w_1 of turns for the primary winding of the welding transformer (which has a single secondary turn) can best be determined on the basis of a simplified equivalent circuit of the percussion welding machine (Fig. 1), which takes into account only the parameters of the secondary circuit of the welding transformer as adjusted to the

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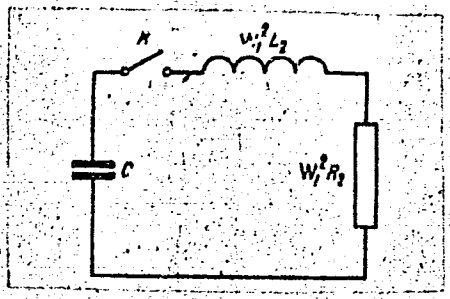


Fig. 1. Simplified equivalent circuit of percussion welding machine:

L_2 is the leakage inductance of the secondary circuit; R_2 is the (ohmic) resistance of the secondary circuit, which includes the resistance of the parts being welded

primary winding. Further, formulas are derived for dinding the range of commutation of the primary-winding turns as a function of the selected welding regime

$$w_{1max} = \frac{Ut_{max}}{\pi \sqrt{2L_2 W_{min}\left[1 + \left(\frac{R_2 t_{max}}{2\pi L_2}\right)^2\right]}}; \quad (1)$$

$$w_{1min} = \frac{Ut_{min}}{\pi \sqrt{2L_2 W_{max}\left[1 + \left(\frac{R_2 t_{min}}{2\pi L_2}\right)^2\right]}}. \quad (2)$$

where t_{max} and t_{min} pertain to the maximum and minimum durations of the welding pulse and U is the charging voltage (for remaining notation cf. Fig. 1). From formulas (1), (2), and knowing W_{max}, W_{min}, t_{max}, t_{min}, U, L_2 and R_2, the number of turns can be easily determined. An analysis of these formulas indicates that the w_{1max}/w_{1min} ratio is the higher the higher the ratios W_{max}/W_{min} and t_{max}/t_{min} are. It follows hence that it is not expedient to design a percussion welding machine for a broad range of thicknesses of the metal being welded: a transformer with a high w_{1max}/w_{1min} ratio is uneconomical, since then the construction of its primary winding consumes a great deal of copper. Orig. art. has: 1 figure, 5 formulas.

SUB CODE: 13,09/ SUBM DATE: 10Dec64/ ORIG REF: 002

PENTEGOV, I.V.

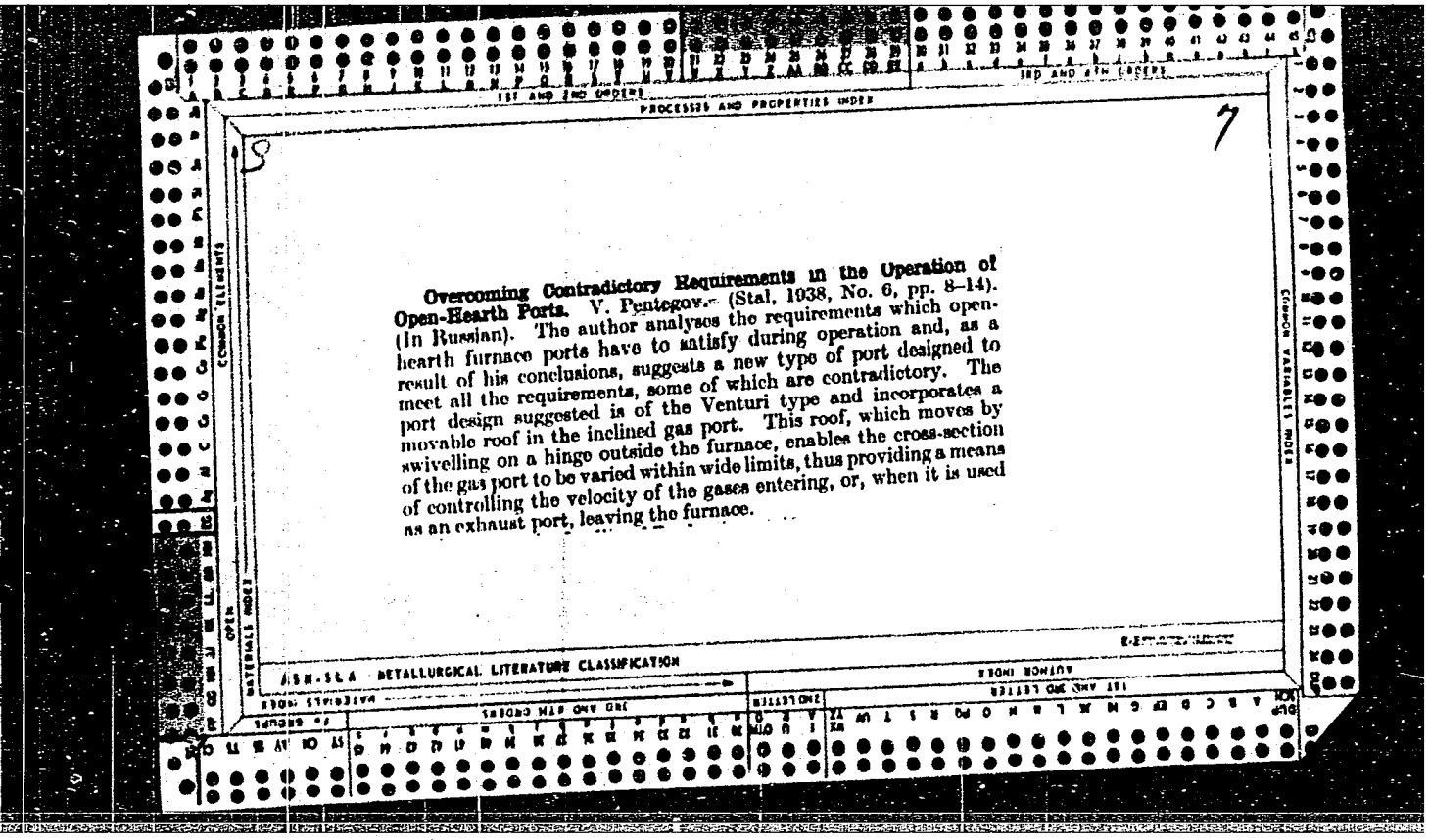
Measuring and recording welding current pulses using flat shunts. Avtom. svar. 17 no.2:59-66 F '64. (MIRA 17:9)

1. Institut elektrosvarki im. Ye.O. Patona AN UkrSSR.

PENTEGOV, Igor' Vladimirovich, aspirant

Method for analyzing transients and steady-state conditions in electrical networks subject to the action of a series of disturbances. Izv. vys. ucheb. zav.; elektromekh. 7 no.5: 538-543 '64. (MIRA 17:9)

1. Institut elektrosvarki AN UkrSSR.



PROCESSES AND PROPERTIES INDEX

7

Overcoming Contradictory Requirements in the Operation of Open-Hearth Ports. V. Pentegov. (Stal, 1938, No. 6, pp. 8–14). (In Russian). The author analyses the requirements which open-hearth furnace ports have to satisfy during operation and, as a result of his conclusions, suggests a new type of port designed to meet all the requirements, some of which are contradictory. The port design suggested is of the Venturi type and incorporates a movable roof in the inclined gas port. This roof, which moves by swivelling on a hinge outside the furnace, enables the cross-section of the gas port to be varied within wide limits, thus providing a means of controlling the velocity of the gases entering, or, when it is used as an exhaust port, leaving the furnace.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

CA

23

Chemical composition of the wood matter of Siberian cedar. V. A. Pentegova. *Zhur. Priklad. Khim.* (J. Applied Chem.) 23, 1038-1048(1950).—The outer portions of the trunk are relatively rich in EtOH-benzene-sol. materials; the content of the interior is relatively low. Substances sol. in hot H_2O increase in concn. towards the upper parts of the tree but somewhat less cellulose is found in the upper parts of the trunk than in the middle or lower parts. The content of lignin increases with the height. The lower part of the tree is richest in pentosans; distribution of mannan is similar but galactan is concd. largely near the top.
G. M. Kosolapoff

FILIPPOVA, M.M., inzh.; PENTEGOV, V.V., inzh.; ALEKSEYEVA, I.D., inzh.

Load distribution between turbogenerators of electric power plants. Elek. sta. 36 no.2:74-75 F '65. (MIRA 18:4)

PENTEGOVA, V.A.; ROZHKOV, A.M.; KAZAKOVA, A.A.

Tar acid ethers in resins from Siberian cedar. Trudy Khim.-met. inst. Sib. otd. AN SSSR no. 13:41-45 '59. (MIRA 14:1)
(Wood tar) (Oleoresins) (Cedar)

KASHTANOVA, N.K.; PENTEGOVA, V.A.

Rosin acids in the oleoresin of Pinus sibirica R. Mayr. Izv. Sib. otd. AN SSSR no.3:121-123 '62. (MIRA 17:7)

1. Khimiko-metallurgicheskiy institut Sibirskogo otdeleniya AN SSSR, Novosibirsk.

PENTEGOVA, V.A.; MOTL, O.; GEROUT, V.

Isolation of (+)-δ-cadinol from Pinus sibirica R.Mayr oleoresin and its identity with torreyol and sesquigoyol. Dokl.AN SSSR 138 no.4:850-851 Je '61. (MIRA 14:5)

1. Institut organicheskoy khimii i biokhimii Chekhoslovatskoy Akademii nauk i Khimiko-metallurgicheskiy institut Sibirskogo otdeleniya AN SSSR. Predstavleno akademikom B.A.Kazanskim.
(Oleoresins) (Cadinol)

LISINA, A.I.; REZVUKHIN, A.I.; PENTEGOVA, V.A.

Composition of the neutral part of oleoresin from Pinus sibirica R.Mayr. Part 2: Oxygen-containing compounds of the high boiling neutral part of cedar oleoresin. Khim.prirod.soed. no.4:250-256 '65. (MIRA 19:1)

1. Novosibirskiy institut organicheskoy khimii Sibirskogo otdeleniya AN SSSR. Submitted January 19, 1965.

VOL'SKIY, L.N.; DUBOVENKO, Zh.V.; GERSHTEYN, N.A.; PENTEGOVA, V.A.

Study of the composition of essental oils of some coniferous species of Siberia by gas-liquid chromatography. Khim. prirod. soed. no.6:382-384 '65. (MIRA 19:1)

1. Novosibirskiy institut organicheskoy khimii Sibirskogo otdeleniya AN SSSR. Submitted July 8, 1965.

PENTEGOV, A.P. [deceased]; PENTEGOVA, V.A.; CHIRKOVA, M.A.

Composition of the resin of Siberian fir (Abies sibirica).
Trudy Khim.-met. inst. Sib. otd. AN SSSR no. 13:5-10 '59.
(MIRA 14:1)

(Oleoresins) (Fir)

PENTEGOVA, V.A.; LISINA, A.I.

Resin of Siberian larch. Trudy Khim.-met. inst. Sib. otd. AN SSSR no. 13:19-22 '59. (MIRA 14:1)

(Larch) (Oleoresins)

TRONOV, B.V.; PENTEGOVA, V.A.; LISINA, A.I.

Tar acids in resins from Siberian larch. Trudy Khim.-met. inst. Sib. otd. AN SSSR no. 13:27-35 '59. (MIRA 14:1)
(Wood tar) (Larch)

PENTEGOVA, V.A.; CHIRKOVA, M.A.

Composition of a heavy cedar oil. Trudy Khim.-met. inst. Sib. otd. AN SSSR no. 13:47-53 '59. (MIRA 14:1)
(Cedar) (Oils and fats)

PENTEGOVA, V.A.; LISINA, A.I.

Resin acids in the galipot of the Siberian larch collected from surface incisions. Izv. Sib. otd. AN SSSR no.5:57-65 '58.
(MIRA 11:9)

1.Zapadno-Sibirskiy filial AN SSSR.
(Larch) (Resin acids)

PRETECOVA, V.A.; LISINA, A.I.

Adsorption cromatographic analysis of resin and oxyresin acids. Izv. vost. fil. AN SSSR no.1:65-69 '57. (MIRA 11:4)

1. Zapadno-Sibirskiy filial AN SSSR.
(Chromatographic analysis) (Resin acids)

PENTEGOVA, V.A.

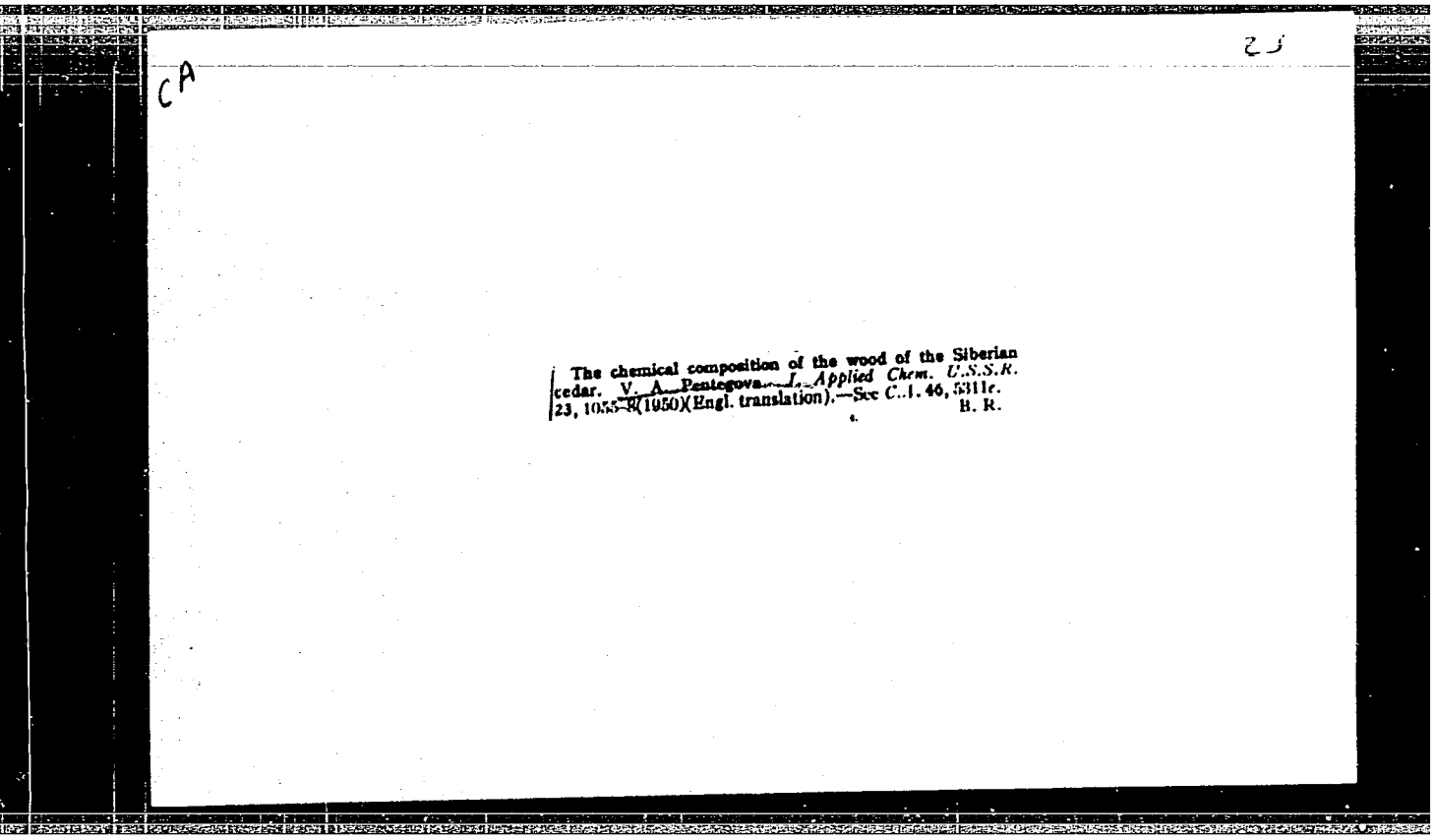
USSR

/ Balsam from Siberian cedar for microtechniques and optico-mechanical industry. A. P. Pentegov and V. A. Pentegova. *Trudy Khim.-Met. Inst. Akad. Nauk S.S.S.R.* [illegible] *Zapadno-Sibirskogo Filiala* No. 7, 17-22 (1953).—Hard balsam obtained from the galipot of Siberian cedar may be successfully used instead of the currently used ones since its viscosity, heat, and light stability, etc., are quite satisfactory. Its softening point is 40–0°, acid no. 155–161, ether no. 16–24, d_4^{20} 1.04–1.08, n_D^{20} 1.5320–1.5371, and coeff. of linear expansion (from −) to +25°) 1.8×10^{-4} 2.1×10^{-4}. E. Batanush

PENTEGOVA, V. A.

USSR

"Immersion oil from Siberian cedar. A. P. Pentegov and V. A. Pentegova. *Trudy Khim.-Met. Inst., Akad. Nauk S.S.S.R., Zapadno-Sibirskii Filial* No. 7, 27–32(1963).—CH
Immersion oil obtained from the galipot of Siberian cedar is (1)
quite suitable for use in microscopy with magnification
90 × and greater. The following values are reported:
n_D^{20} 1.5152–1.5158, av. dispersion $(n_F - n_C)$ 0.0117–0.0118,
temp. refraction coeff. d_t/d_n 4 × 10⁻⁴, acid no. 73–81, vis-
cosity (V) 2.85–3.70 (in stokes). Elisabeth Barabash



CA

23

The chemical composition of the wood of the Siberian cedar. V. A. Pentegova. *J. Applied Chem. U.S.S.R.* 23, 1055–8(1950)(Engl. translation).—See *C.A.* 46, 5311e.
B. R.

LISTNA, A.I.; PEVTSOVA, V.A.

Abietadiene from the soft resin of Larix sibirica. Izv. SO AN SSSR no.7 Ser. khim. nauk no.2:96-100 '65.

(MIRA 18:12)

1. Novosibirskiy institut organicheskoy khimii Sibirskogo otdeleniya AN SSSR. Submitted April 10, 1964.

HUNGARY

PENTEK, Erzsebet, Dr; [no affiliation given].

"The Effect of the Service Rendered, by the Heart Patient Center for Children of the Council of Baranya Megye, as Evidenced by Results of Heart Surgery."

Budapest, Orvosi Hetilap, Vol 104, No 33, 18 Aug 1963, pages 1557-1558.

Abstract: [Author's Hungarian summary modified] The center has examined 9927 children from Pecs and Baranya Megye, since its establishment in 1954. Of the patients examined, 3.5 per cent had a history of rheumatic disease, 1.7 per cent had acquired, 5.5 per cent congenital heart disease. Of these, 84 underwent heart surgery, results of which were very good in 37, good in 55, bad in 1 per cent of the cases. Death occurred in 5 per cent of the patients. The chief aims of the center are: to find the children who have heart disease, to establish the exact diagnosis, to gain the confidence of the parents and children and to explain the problem to them, to keep the patients in good health and choose the right time for surgery as well as to render active postoperative care. Mass screening tests are conducted to find the children with heart disease. Physical therapy is important in the pre- and postoperative care of the children. No references.

1/1

PENTEK, Erzsebet, dr.; BONNAR, Mihaly, dr.

Abnormalities of the anterior thoracic wall and their cardiological correlations. Orv. hetil. 102 no.51:2421-2424 17 D '61.

1. Baranya megyei Tanacs, Gyermek Szivbeteggondozo es Orszagos Kardiologiai Intezet, Sebeszeti Osztaly.

(THORAX abnorm) (HEART physiol)

PENTEK, Erzsebet, dr.; SZUTRELY, Gyula, dr.

Congenital abnormalities in uniovular twins. Gyermekgyogyaszat 10 no.11:334-337 N '59.

1. A Baranyamegyei Tanacs Gyermekszivbeteggondozojanak (foorvos: dr. Pentek Erzsebet) es az Orszagos Kardiologiai Intezet (igazgato: Prof. dr. Gottsegen Gyorgy) Gyermekosztalyanak (foorvos: dr. Szutrely Gyula) kozlemenye.
(ABNORMALITIES)
(TWINS)

PENTEK, Gyula

Innovations in the service of healing. Ujit lap 12 no.29:27 S '60.

(Hungary--Medicine)

PENTEK, Gyula

Could it be better? It should be better! Ujit lap 13 no.3:9 F '61.

(Hungary—Industrial management)
(Hungary—Commerce)

PENTEK, Gyula

How the tradeunion helps the innovators at the Csepel Automobile Factory. Ujit lap 12 no.19:20 10 0 '60.

PENTEK, Gyula

Career of postage stamps. Elet tud 16 no.37:Suppl.:Tarkatudomany 2 no.19:145-146 10 S '61.

PENTEK, Gyula

New, cheap, comfortable. Ujit lap 12 no.3:30 10 F '60.

PENTEK, Gyula

The Institute for Mechanical Engineering for the implementation of the decisions made by the 7th Party Congress. Ujit lap 12 no.2:30 25 Ja '60.

PENTEK, Gyula

Innovators of the Esztergom Machine Tool Factory. Ujit lap 12 no.21: 20 10 N '60.

PENTEK, Gyula

Our pocket has also been affected! Ujit lap 12 no.20:21 25 O '60.

PENTEK, Gyula

Innovations in the field of medicine. Ujit lap 12 no.23:26 10 N '60.

PENTEK, Gyula

Innovators in the chemical industry for the fulfillment of the Party decision. Ujit lap 12 no.18:23-24 25 S '60.

PENTEK, Gyula

From torsional pendulum to needle threading machine. Ujit lap 12 no.13:9 12 J1 '60.

PENTEK, Gyula

They are not only innovators! Ujit lap 12 no.11:8 10 Je '60.

PENTEK, Gyula

Experience of several decades. Ujit lap 12 no.16:25 25 Ag '60.

PENTEK, Gyula

Innovators of delicatessen stores. Ujit lap 12 no.17:26 10 S '60.

PENTEK, Gyula

Little by little. Ujit lap 12 no.5:24 10 Mr '60.

PENTEK, Gyula

A significant innovation of public and individual interest introduced by the Hungarian State Railways. Ujit lap 12 no.7:24 10 Ap '60.

PENTEK, Gyula

New ways of manufacturing grinding wheels. Ujit lap 12 no.15;11-12 10 Ag '60.

PENTEK, Gyula

Builders of the new Csepel. Ujit lap 12 no.8:10 25 Ap '60.

PENTEK, Gyula

Innovators and socialist brigades. Ujit lap 12 no.15:31 My '60.

(Hungary—Weaving)

PENTEK, Gyula

Can it be better? It has to be better! Ujit lap 13 no.3:22 F '61.

(Hungary—Industrial management)

PENTEK, Gyula

They are worthy of their past. Ujit lap 13 no.4:24 F '61.

(Hungary—Wood)

PENTEK, Gyula

New plan--new efforts. Ujit lap 13 no.6:10 Mr '61.

(Hungary--Agricultural machinery)

PENTEK, Gyula

What can we learn from the Papa Textile Factory? Ujit lap 13 no.10:14 My '61.

(Hungary—Textile factories)

PENTEK, Gyula

Lights and shadows; following the path of one of our last year's articles. Ujit lap 13 no.12:14 Je '61.

(Hungary—Grinding wheels)

PENTEK, Gyula

The Bekescsaba Clothing Factory and the exchange of experiences; a nonofficial minutes. Ujit lap 13 no.11:8 Je '61.

(Hungary--Clothing industry)

PENTEK, Gyula

This is a problem outside Obuda too! Ujit lap 13 no.15:12 Ag '61.

(Hungary—Welding)

PENTEK, Gyula

Together for the Plan; news of the socialist brigades. Ujit lap 14 no.2:4 Ja '62.

(Hungary—Machinery industry)
(Hungary—Industrial management)

PENTEK, Gyula

Worthy of their past..... Ujit lap 13 no.4:24 F '61.

(Hungary—Industrial management)

PENTEK, Gyula

The cheaper should not be more expensive. Ujit lap 13 no.8:8 Ap '61.

(Hungary—Road construction)

PENTEK, Gyula

Innovations in the meat-packing industry. Ujit lap 13 no.13:10 Jl '61.

(Hungary--Meat industry)

PENTEK, Gyula

Interview with a director. Ujit lap 13 no.2:19 Ja '61.

(Hungary—Textile factories) (Nagy, Jozsefne)

PENTEK, Gyula

The cheaper merchandise should not be more expensive. Ujit lap 13 no.8:8 Ap '61.

PENTEK, Gyula

It is a problem not only at Obuda. Ujit lap 13 no.15:12 Ag '61.

(Hungary--Metallurgy)

PENTEK, Gyula

How can the party organization in the factory help the innovator movement? Ujit lap 13 no.16:30 Ag '61.

(Hungary—Industrial management)
(Communist Party of Hungary)

PENTEK, Gyula

How do the young specialists of the trade work? Ujit lap 13 no.17:30 S '61.

(Hungary--Industrial management)

PENTEK, Istvan, okl.kohomernok; BIKICS, Zoltan, okl.kohomernok; MIKO, Jozsef, okl. kohomernok; HEVESI, Jozsef, fizikus

Investigation of the streaming relations of the regenerator grid of a 150-ton SM-furnace. Ipari energia 2 no.12:265-273 D '61.

1. Tudomanyos osztalyvezeto, Koho- es Gepipari Miniszterium, Hotechnikai Kutatoallomas, Miskolc (for Pentek). 2. Tudomanyos munkatars, Koho- es Gepipari Miniszterium, Hotechnikai Kutatoallomas, Miskolc (for Bikics, Miko, Hevesi).

PENTEK, Istvan, okl. kohomernok; RETHY, Karoly, okl. kohomernok

Hungarian experimental results in the application of natural gas in a blast furnace. Koh lap 95 no.1:24-30 Ja '62.

1. Koho- es Gepipari Miniszterium Hotechnikai Kutatoallomas es Lenin Kohaszati Muvek.

(Hungary—Gas, Natural) (Blast furnaces)

PENTEK, Istvan; UHLMANN, Erik

Experimental results in the development of tunnel furnaces with upper firing. Epitoanyag 17 no.4:135-141 Ap '65.

1. Combustion Engineering Research Institute of the Ministry of Metallurgy and Machine Industry.

PENTEK, Istvan; UHLMANN, Erik, tudomanyos segedmunkatars

Experimental results in the development of tunnel furnace with roof burners. Koh lap 98 no.4:178-185 Ap '65.

1. Combustion Engineering Research Institute of the Ministry of Metallurgy and Machine Industry.

PENTEK, Istvan, dr.

Engineering problems of flow, heat and economy in conjunction with high-capacity air blast heaters operating at 1200 C°.
Ipari energia 5 no.3:72 M '64.

PENTEK, Istvan, dr., okleveles kohomernok; TAMASKOVICS, Nandor, okleveles kohomernok

A new type convective heat-exchange apparatus for hot-blast cupola furnaces designed in the Research Institute of Combustion Engineering. Ipari energia 5 no.7:145-155 Jl '64

1. Research Institute of Combustion Engineering, Ministry of Metallurgy and Machine Industry, Budapest.

PENTEK, Istvan, dr., tudomanyos osztalyvezeto

Technical and economic problems relating to the increased use of natural gas in blast furnaces. Pt.1.
Ipari energia 4 no.4:73-76 Ap '63.

1. Koho-es Gepipari Miniszterium Hotechnikai Kutatoallomasa, Miskolc.

PENTEK, Istvan, dr.

Technical and economic problems relating to the increased use of natural gas in blast furnaces. Pt. 2. Ipari energia 4 no.5:97-104 My '63.

1. Koho- es Gepipari Miniszterium Hotechnikai Kutatoallomasa, Miskolc.

PENTEK, Istvan, dr., okleveles kohomernok; TAMASKOVICS, Nandor, okleveles kohomernok

New type convective heat-exchanging devices for air blast cupolas. Koh lap 97 no.5:Suppl.:Ontode 15 no.5:97-104 My'64.

1. Heat Engineering Research Institute, Ministry of Metallurgy and Machine Industry, Miskolc.

PENTEK, Istvan, dr., tudomanyos osztalyvezeto

Air heaters producing high-temperature air blast. Koh lap 97 no.5:223-227 My'64.

1. Heat Engineering Research Institute, Ministry of Metallurgy and Machine Industry, Miskolc.

PENTEK, Istvan, dr.; BIKICS, Zoltan; HORVATH, Janos; HALASZ, Jozsef

Plant experiences in injecting oil into the Ozd blast furnaces. Koh lap 96 no. 6:277-282 Je '63.

1. Heat Engineering Research Institute, Ministry of Metallurgy and Machine Industry, Miskolc (for Pentek and Bikics).
2. Ozd Metallurgical Works, Ozd (for Horvath and Halasz).

PENTEK, Istvan; HORVATH, Janos; BIKICS, Zoltan

Oil blasting experiment at the No.1 blast furnace of the Ozd Metallurgical Works. Ipari energia 3 no.8:165-173 Ag '62.

1. Koho- es Gepipari Miniszterium Hotechnikai Kutatoallomas tudomanyos osztalyvezetoje (for Pentek). 2. Ozdi Kohaszati Uzemek fomernoke (for Horvath). 3. Koho- es Gepipari Miniszterium Hotechnikai Kutatoallomas tudomanyos munkatarsa (for Bikics).

PENTEK, Istvan; BIKICS, Zoltan; HEVESSY, Jozsef

Flow investigations in the air heaters of blast furnaces.
Koh lap 95 no.10:468-474 O '62.

1. Koho- es Gepipari Miniszterium Hotechnikai Kutato Allomas, Miskolc, tudomanyos osztalyvezetoje (for Pentek).
2. Koho- es Gepipari Miniszterium Hotechnikai Kutato Allomas, Miskolc, tudomanyos munkatarsa (for Bikics and Hevessy).

DIOSZEGHY, Daniel, dr.; DOJCSAK, Janos; PENTEK, Istvan; FARKAS, Ottone

Comparative analysis of the small forge furnace with permeable walls. (To be contd.). Koh lap 93 no.5:226-231 My '60.

1. Hotechnikai Kutato Allomas.

DIOSZEGHY, Daniel, dr.; DOJCSAK, Janos; PENTEK, Istvan; FARKAS, Ottone

Comparative analysis of the small forge furnace with permeable walls.
Koh lap 93 no.6:283-286 Je '60.

PENTEK, Istvan; TAKACS, Tibor; MIKO, Jozsef

Possibilities for increasing hot blast temperature in the stoves of blast furnaces. Koh lap 95 no.11:491-495 N '62.

1. Koho- es Gepipari Miniszterium Hotechnikai Kutatoallomas tudomanyos osztalyvezetoje (for Pentek). 2. Koho- es Gepipari Miniszterium Hotechnikai Kutatoallomas tudomanyos munkatarsa (for Takacs and Miko).

PENTEK, Istvan, okl.kohomernok

Development in oil flame research. Ipari energia 2 no.8/9:183-191 Ag-S '61.

1. Hotechnikai Kutatoallomas oszt. vezetoje.

PENTEK, Istvan, okl. kohomernok

Achievements in oil-flame research on the basis of the Ijmuiden experiments. Energia es atom 14 no.10:413-422 O '61.

(Holland-Liquid fuels) (Oils and fats)
(Flame)

PENTEK, Jozsef, dr. megyei foorvos

Report on the experimental types of administration introduced in health care at Szekesfehervar. Nepegeszsegugy 43 no.11:322-324 N '62.

(PUBLIC HEALTH ADMINISTRATION)

PENTEK, Lajos (Mihalyhaza, Veszprem megye)

Measuring instruments are indispensable. Radiotechnika 13 no.1:26 Ja '63.

HUNGARY

PENTEK, Laszlo, Dr, GALDI, Zoltan, Dr; Heves Megye Council Hospital, II. Surgical Ward (chief physician: GOMBKOTO, Bela, Dr) and I. Neurological-Psychiatric Ward (chief physician: CSEKEY, Laszlo, Dr) (Heves Megyei Tanacs Korhaza, II. Sebeszeti Osztaly es I. Ideg-Elmeosztaly), Eger.

"Alcoholism Among Patients Who Underwent Gastric Resection."

Budapest, Orvosi Hetilap, Vol 108, No 11, 12 Mar 67, pages 503-504.

Abstract: [Authors' Hungarian summary] The problem of alcoholism among patients who underwent gastric resection earlier is discussed. On the basis of the authors' observations and literature data, it is concluded that a number of patients who undergo gastric resection will become alcoholic later. The causes of this are discussed and the current practice is criticized that patients are advised after resection to consume alcohol (light wine). 2 Hungarian, 13 Western references.

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PENTEK, L.

Possibilities for saving coal in cement and lime furnaces. p. 369.
Vol 8, no. 10, Oct. 1955. MAGYAR ENERGIAGAZDASAG. Budapest, Hungary.

PENTEK, L.

Economy of coal in furnaces of the cement and lime industry. p. 144. EPITOANYAG, Budapest, Vol. 7, no. 4, Apr. 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955, Uncl.

HUNGARY

RODE, Dr Ivan; and PENTEK, Dr Laszlo, National Institute of Oncology (Orszagos Onkologiai Intezet).

"Types of Metastases of Melanoblastoma"

Budapest, Magyar Onkologia, Vol 10, No 4, Dec 1966; pp 211-212.

Abstract: On the basis of their own material, authors state that the earliest metastasis caused by melanoblastoma is that occurring in the liver (one month after the beginning of the disease), with an average survival period of 19.8 months. The respective figures in the case of cardiac metastasis were 1 month and 17.6 months, and in the case of cerebral metastasis 1 month and 14.7 months. The average time of occurrence of fatal metastasis is 1.5 years after the beginning of the melanoblastoma. No references.

GYENES, Gyorgy, dr.; PENTEK, Laszlo, dr.; SEBESTYEN, Pal, dr.

Experiences with combined sanamycin - radiotherapy. Magy. radiol. 8 no.3:184-188 Aug 56.

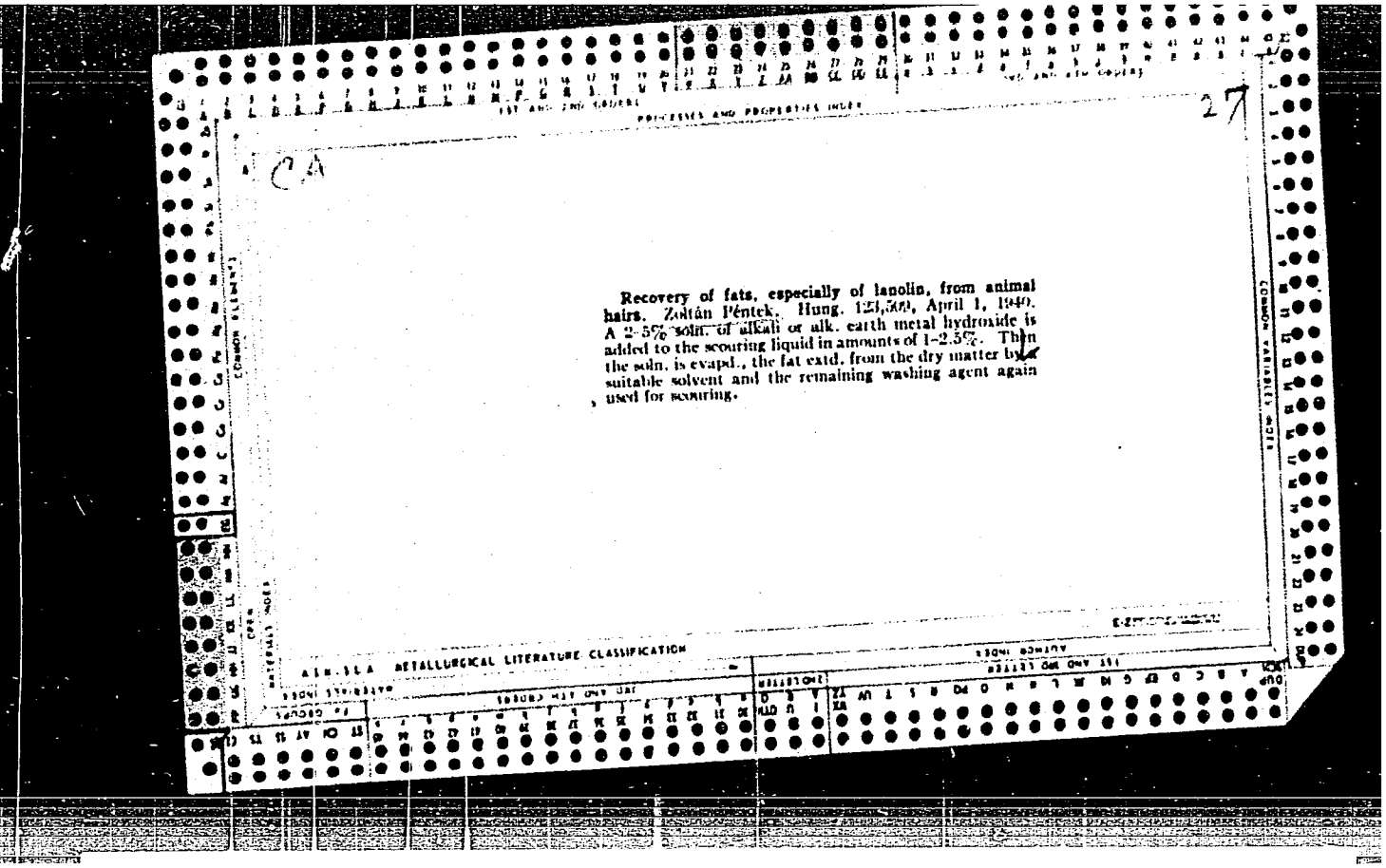
1. Az Orszagos Onkologiai Intezet (igazgato: Venkei, Tibor, dr. az orvostudomanyok kandidatusa) Radiologiai osztalyanak (Foorvos: Rode, Ivan, dr. az orvostudomanyok kandidatusa) kozlemenye.

(HEMOPOIETIC SYSTEM, dis.
hemoblastosis, ther., actinomycin C, comparison with radiother. (Hun))
(ANTIBIOTICS, ther. use
actinomycin C, in hemoblastosis, comparison with radiother. (Hun))
(CYTOTOXIC DRUGS, ther. use
same)

PENTEK, M.

Budapest Cannery makes preparations for the season. p. 13.
UJITOK LAPJA, Budapest, Vol. 7, no. 14, July 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955, Uncl.



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Recovery of fats, especially of lanolin, from animal hairs. Zoltán Péntek. Hung. 125,569, April 1, 1949. A 2–5% soln. of alkali or alk. earth metal hydroxide is added to the scouring liquid in amounts of 1–2.5%. Then the soln. is evapd., the fat extd. from the dry matter by a suitable solvent and the remaining washing agent again used for scouring.

PENTELENYI, Janos

Development of the motor vehicle hand brakes. Jarmu mezo gep 7 no.6:230-234 '60.

1. "Jarmuvek-Mezogazdasagi Gepek" szerkeszto bizottsagi tagja.

PENTELENYI, Janos

"Brake systems of motor vehicles" by Tibor Gergely, Zsigmond Habuda. Reviewed by Janos Pentelenyi. Jarmu mezo gep 11 no.3:115.

1. Editorial board member, "Jarmuvek, Mezogazdasagi Gepek."

PENTELENYI, Janos

"Mixture formation and the process of combustion in Diesel motors" by Gyorgy Sitkei. Reviewed by Janos Pentelenyi. Jarmu mezo gep 8 no.6:235 Je '61.

1. "Jarmuvek - Mezogazdasagi Gepek" szerkeszto bizottsagi tagja.

PENTELENYI, J.

Experiences gained during a tour in Tiber with all-purpose motor cars.

p. 154 (Jarmuvek Mezogazdasagi Gepek. Vol. 4, no. 4, Sept. 1957, Budapest, Hungary)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2,
February 1958

PENTELENYI, Janos, fokonstruktor

Motor vehicle manufacturing. Jarmu mezo gep 9 no.1:5 Ja '62.

1. Csepel-Autogyar.

PENTELEYEV, A.N.; ZHUKOV, L.B.

Effect of malonic acid on the respiration and the transformation of organic acids in onions. [with summary in English] Vest. LGU 18 no.21:65-71 '63 (MIRA 16:12)

PENTEL'KOV, V.G.

Geology and intrusive complexes of the Talitsa zone in the Altai. Krat. soob. IMGRE no.1:130-135 '60.
(MIRA 17:3)