ACCESSION NR: AP4012445 S/0078/64/009/002/0389/0393

AUTHOR: Dembovskiy, S. A.

TITLE: Crystallization of glasses in the Se-As_2Se_3 system

SOURCE: Zhurnal neorg. khim., v. 9, no. 2, 1964, 389-393

TOPIC TAGS: selenium arsenic triselenide system, selenium arsenic phase diagram, chalkogenide system, crystallization, vitreous phase, selenium arsenic triselenide eutectic

ABSTRACT: The Se-As_2Se_3 system was studied by differential thermal and x-ray analyses to establish approximately the eutectic character of the phase diagram, (see Fig.1 of the Enclosure). The usual crystallo-optical and polythermal methods are not suitable for studies of chalkogenide systems because of the poor crystallizability, volatility, and opaqueness of the glasses. In the Se-As_2Se_3 system there exists an area, from 15-23 at.% As, near the eutectic (20. at.% As, 80 at.% Se) where the glasses do not crystallize, the crystallization becoming more difficult and

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ACCESSION NR: AP4012445

finally impossible as the eutectic is approached. The existence of a stable vitreous phase having the eutectic composition is explained on the basis of differences in the crystallizability and softening temperatures of the components Se and As_2Se_3 and the mechanism of crystallization of chalcogenide glasses under conditions of considerable viscosity. "I thank N. P. Luzhna and V. K. Nikitina for assistance in the work." Orig. art. has: 4 figures.

ASSOCIATION: None

SUBMITTED: 11Jan63 ATD PRESS: 3046 ENCL: 01

SUB CODE: SS, MT NO REF SOV: 007 OTHER: 000

Card 2/3

ACCESSION NR: AP4012445

ENCLOSURE: 01

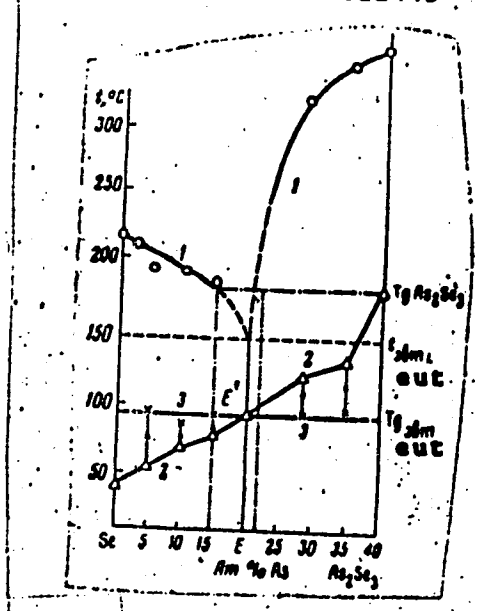

Fig. 1. Phase diagram of the $Se-As_2Se_3$ system

1 - liquidus line of the $Se-As_2Se_3$ system, 2 - dependence of tg (softening temp.) on composition of glasses of the $Se-As_2Se_3$ system, 3 - dependence of Tg on composition of annealed glasses of the $Se-As_2Se_3$ system.

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ACCESSION NR: AP4019489 S/0078/64/009/003/0660/0664

AUTHOR: Dembovskiy, S. A.; Luzhnaya, N. P.

TITLE: Phase diagram of the As-Se system

SOURCE: Zhurnal neorg. khimii, v. 9, no. 3, 1964, 660-664

TOPIC TAGS: arsenic selenium system, phase diagram, x ray analysis, differential thermal analysis, As sub 2 Se sub 3, AsSe, As sub 2 Se sub 3-AsSe system, AsSe-As system, Se-As sub 2 Se sub 3 system

ABSTRACT: The phase diagram of the As-Se system was studied by differential thermal and x-ray phase analysis (fig. 1). The melts in the glass-forming area (from Se to about 60 at. % As) were crystallized beforehand by prolonged annealing. Two compounds were found in the system: As_2Se_3, known before, and AsSe, detected by systematic investigation. As_2Se_3 has a sharp maximum, and that of AsSe is leveled. The area of first crystallization of As_2Se_3 is in a wide range of compositions from 20-47 at. % As; for AsSe the range is narrow, from

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ACCESSION NR: AP4019489

47-55 at.% As. Individual diagrams of the compositions Se-As_2Se_3, As_2Se_3-AsSe, and AsSe-As have eutectic characteristics. Orig. art. has 4 figures.

ASSOCIATION: None

SUBMITTED: 01Jul63 DATE ACQ: 31Mar64 ENCL: 01

SUB CODE: ML, PH NO REF SOV: 005 OTHER: 000

Card 2/2

L 43866-65 EWT(l)/EWT(m)/EWG(m)/EEC(t)/T/EWP(t)/EWP(b)/EED(b)-3 Pl-4 IJP(c)
RDW/JD
ACCESSION NR: AP5006440 S/0051/65/018/003/0505/0508

37
36
0

AUTHOR: Zorina, Ye. L.; Dembovskiy, S. A.

TITLE: Infrared absorption of arsenic monoselenide

SOURCE: Optika i spektroskopiya, v. 18, no. 3, 1965, 505-508

TOPIC TAGS: arsenic compound, infrared absorption, absorption coefficient, reflection coefficient, fermion, potential field

ABSTRACT: The infrared absorption of glass-like AsSe was investigated in the wavelength region 0.67 - 25 μ. The procedure for synthesizing the compound is described. Measurements were made of the absorption and reflection coefficients as functions of the photon energy for direct transitions. The transmission satisfies the relation $T = (1 - R)^2 e^{-\alpha x}$, where T - transmission, R - reflection, α - absorption coefficient, and x - sample thickness. The absorption coefficient decreased from 4.19 cm^{-1} at 0.865 μ to 0.46 cm^{-1} at 10.41 μ, while the reflection coefficient changed from 0.33 at 0.792 to 0.22 at 1.872 μ and then remained constant up to 10 μ. No indirect transition was observed in the substance. The results are in-

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L 43866-65

ACCESSION NR: AP5006440

terpreted on the basis of the theory of the behavior of fermions in the field of a random potential, and it is concluded that the field is isotropic and that the fermion energy has in this field a quadratic dependence on the momentum. "The authors thank A. B. Almazov for critical remarks and a discussion." Orig. art. has: 4 figures and 1 table.

ASSOCIATION: None

SUBMITTED: 07Jun63 ENCL: 00 SUB CODE: OP, IC

NR REF SOV: 006 OTHER: 005

Card 2/2

L 57779-65 EWT(m)/EWP(i)/EWA(m)/EWP(b)/EWP(e)/EWP(t) Pq-4 IJP(c)
ACCESSION NR: AP5018247 RDW/WE/JD UR/0078/65/010/007/1657/1659
54-161.64546.289'231

30
B

AUTHOR: Dembovskiy, S. A.; Vinogradova, G. Z.; Pashinkin, A. S.

TITLE: Crystallization of glasses in the Se—Ge system

SOURCE: Zhurnal neorganicheskoy khimii, v. 10, no. 7, 1965, 1657-1659

TOPIC TAGS: selenium germanium system, glass crystallization, phase diagram, glass formation, germanium diselenide

ABSTRACT: The part of the Se—Ge system in the 75 to 100 at% Se composition range has been studied by DTA and x-ray structural analysis to refine the region of glass formation in the phase diagram previously studied (Liu Ch'in-Hua, A. S. Pashinkin, and A. V. Novoselova. Dokl. AN SSSR, 146, 1092, 1962) and to correlate the crystallizability of glasses in this region with the corresponding phase diagram. Glass samples were synthesized by a known method (L. G. Ayo, V. F. Kokorina. Optiko-mekh. promyshlennost', no. 4, 39, 1961) and heat treated at 160 to 180C for 400 hr. Partial crystallization occurred in all heat-treated glasses. The degree of crystallization depended on the composition of the glasses. The minimum crystallization, i.e., the maximum content of the glass, was observed visually

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L 57779-65
ACCESSION NR: AP5018247

in the composition containing 8 at% Ge. This observation was confirmed by x-ray patterns and by comparing the Tammann triangles for Tg and solidus effects, which were determined on DTA curves of the glass compositions in the range studied. Crystallizability of glasses decreased on the approach from both sides of the composition range to the point corresponding to 8 at% Ge. This composition was attributed to a eutectic analogous to those in the Se—As_2Se_3 and some other systems. The partial phase diagram of the Se—Ge system shows the eutectic point at about 210C and the formation of a germanium selenide, $GeSe_2$, which was detected on the x-ray patterns in compositions over 15 at% Ge. The glass of eutectic composition could be completely crystallized, unlike the analogous composition in the Se—As_2Se_3 system. Orig. art. has: 4 figures. [JK]

ASSOCIATION: none

SUBMITTED: 02Mar64 ENCL: 00 SUB CODE: MT

NO REF SOV: 008 OTHER: 000 ATD PRESS: 4041

Card 2/2

L 7741-66 EWP(e)/EWT(m)/EWP(t)/ETI/EWG(m)/EWP(t)/EWP(b) IJP(c) RDW/JWD/AT

ACC NR: AP5028717 SOURCE CODE: UR/0363/65/001/011/1889/1891

AUTHOR: Zorina, Ye. L.; Dembovskiy, S. A.; Velichkova, V. B.; Vinogradova, G. Z.

ORG: Institute of General and Inorganic Chemistry im. N. S. Kurnakov, Academy of Sciences, SSSR (Institut obshchey i neorganicheskoy khimii Akademii nauk SSSR)

TITLE: Infrared absorption of As_2Se_3, As_2Se_5, and $AsSe_4$ in the glassy state

SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 1, no. 11, 1965, 1889-1891

TOPIC TAGS: arsenic, selenide, glassy state, IR spectrum, absorption spectrum

ABSTRACT: A study has been made of the IR absorption of glassy As_2Se_3, As_2Se_5, and $AsSe_4$ in the 0.67--25 μ region with the IKS-14 spectrophotometer. The absorption spectra of the above selenides in the glassy state were shown to have a weak 15.6 μ band, which was ascribed to impurities, and a strong 20.9 μ band, due to selenium. In addition, $AsSe_4$ has a 12.7 μ band, due to As_2O_3. No fundamental absorption bands were observed in the region studied. The absorption and reflection coefficients, and the refractive indexes at the edge absorption band for glassy As_2Se_3, As_2Se_5, and $AsSe_4$ were determined. Orig. art. has: 1 figure and 1 table. [BO]

SUB CODE: IC/ SUBM DATE: 22Jun65/ ORIG REF: 009/ OTH REF: 003/ ATD PRESS: 4141

UDC: 546.19'23:543.422.4

Card 1/1

0701210 G

L 17607-66 EWT(m)/EWP(e)/EWP(t) IJP(c) WR/JD

ACC NR: AP5027940 SOURCE CODE: UR/0363/65/001/010/1838/1844

AUTHOR: Vinogradova, G. Z.; Dembovskiy, S. A. 32 B

ORG: Institute of General and Inorganic Chemistry im. N. S. Kurnakov, AN SSSR (Institut obshchey i neorganicheskoy khimii AN SSSR)

TITLE: The region of glass formation in the S-As system

SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 1, no. 10, 1965, 1838-1844

TOPIC TAGS: glass product, arsenic compound, sulfur compound, crystallization

ABSTRACT: As, purified from oxides, and high-purity S were used in this work as initial materials. Glasses containing 6.3—35 at% As were synthesized from As_2S_3 and S in quartz ampules evacuated to $< 10^{-5}$ Hg, under the following optimal conditions: heating for 2 hours to 300C; holding for 2 hours; heating for 2 hours to 500C; and holding for 120 hours with mixing by rotation of the furnace (mixing was necessary because of a very slow reaction of As_2S_3 with S). A shorter holding time (<4—5 days) resulted in a heterogeneity of the glass and the formation of two differently colored layers. As_2S_3 glass and glasses containing 45 at% As were obtained by synthesis from the elements at a maximum temperature of 700C. Both methods yielded homogeneous glasses, without traces of stratification, containing 6.3—45 at% As. Their color varied from light yellow at As 6.3 at% to dark

Card 1/2 UDC: 541.123.2

L 17607-66

ACC NR: AP5027940 O

red (As_2S_3). All glasses, except the one containing As 45 at%, were transparent in the visible part of the spectrum and during examination under an infrared microscope. The stability of the glasses sharply increased with increased content of As. Glass containing 6.3 at% As crystallized after one day at room temperature, while that containing 11.3 at% As exhibited signs of crystallization (blurring) after two months of storage at room temperature. No visible alteration during storage was observed in other glasses. The heating curves had only one effect corresponding to the softening point (T_g). The T_g increased with increased concentration of As. The presence of maximums on the curves of the microhardness and T_g versus the composition suggested the presence of As_2S_3, which was known previously, and possibly of As_2S_5, which was previously unknown. An etching (5 ml 10% NaOH solution + 5 ml ethyl alcohol) of polished thin sections revealed the microheterogeneity of glasses which increased with an increased content of S. The As_2S_3 and glass containing 35 at% of As were free of heterogeneity. Orig. art. has: 7 figures and 1 table. [19]

SUB CODE: 11/ SUBM DATE: 03Jun65/ ORIG REF: 005/ OTH REF: 006/ ATD PRESS: 4210

Card 2/2 nst

ZORINA, Ye.L.; DEMBOVSKIY, S.A.; VELICHKOVA, V.B.; VINOGRADOVA, G.Z.

Infrared absorption of vitrous As_2Se_3, As_2Se_5, and $AsSe_4$.
Izv. AN SSSR. Neorg. mat. 1 no.11:1889-1891 N '65.
(MIRA 18:12)

1. Institut obshchey i neorganicheskoy khimii imeni N.S. Kurnakova AN SSSR. Submitted June 22, 1965.

ACC NR: AP6033268 SOURCE CODE: UR/0020/66/170/004/0819/0821

AUTHOR: Chepeleva, I. V.; Lazukin, V. N.; Dembovskiy, S. A.

ORG: Moscow State University im. N. V. Lomonosov (Moskovskiy gosudarstvennyy universitet)

TITLE: Electron paramagnetic resonance of Gd^{3+} ions in chalcogenide glass $Tl_2SeAs_2Se_3$

SOURCE: AN SSSR. Doklady, v. 170, no. 4, 1966, 819-821

TOPIC TAGS: electron paramagnetic resonance, gadolinium, glass property, epr spectrum, temperature dependence

ABSTRACT: The gadolinium admixture to the glass was 0.2 - 0.5 wt.%. The synthesis of the glass was described elsewhere (ZhTF v. 28, 5, 981, 1958). The temperature was raised at 150 deg/hr with soaking for an hour at 600 and 900C. The cooling was either in the disconnected oven, or by quenching in cold water. The epr spectra were recorded with a standard spectrometer (RE-1301) at room and nitrogen temperatures. When the Gd content was 0.5% and the temperature was 4.2K, the epr was observed with a superheterodyna 3-cm spectrometer. The observed spectra were quite complicated and comprised superpositions of lines of different widths and intensities. The intensity of the spectrum increased approximately four times on going from room temperature to nitrogen temperature. The intensities of the spectrum also increased with increasing gadolinium concentration. The method of cooling had no effect. Neither did the method of synthesis. Most of the properties of the observed spectral lines are thus

Card 1/2 UDC: 541.67 + 161.6: 538.113

ACC NR: AP6033268

connected with the presence of a strong crystalline field. The authors thank D. I. Volkov for a discussion of certain problems, V. P. Shilo for synthesizing some samples, and N. Ye. Kask for epr observations at 4.2K and I. I. Kozhina for the x-ray phase analysis. This report was presented by Academician L. A. Artsimovich 8 January 1966. Orig. art. has: 3 figures.

SUB CODE: 20/ SUBM DATE: 30Dec65/ ORIG REF: 004/ OTH REF: 002

Card 2/2

DEMBOVSKIY, V.V.; YUROVETSKIY, S.B.

Complete automatic control of thermal conditions of open-hearth furnaces. Biul.tekh.-ekon.inform. no.12:9-11 '59.
(MIRA 13:4)
(Open-hearth furnaces) (Automatic control)

S/194/61/000/012/058/097
D256/D303

AUTHORS: Dembovskiy, V. V. and Yurovetskiy, S. V.

TITLE: Complex automation of Martin furnaces

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika, no. 12, 1961, 67, abstract 12V570 (Teploenerg. i khimiko-tekhnol. pribory i regulyatory. M.-L., Mashgiz, 1961, 58-67)

TEXT: A description is given of a Martin mazut furnace complex automation system developed at the Izhorsk mill. In the programming a provision was made for corrections concerning the limiting factors. The following quantities are included in the programming: 1) The fuel consumption, 2) the fuel/air ratio, 3) the pressure in the working area of the furnace. Following the selection of the period of smelting by means of a regulator, the start of the 1st stage of smelting is determined by the thermal radiation of the released fused metal of the preceding cycle, the radiation being measured by thermopiles coupled to the regulators through МРШ $П_Р$-54

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Complex automation of ...

(MRShChPr-54)-type millivoltmeter. The next stage is started after completing the charging with a given number of moulds determined by an arrangement including time-relays МРВ-26 (MRV-26) and ЭРВ-99 (ERV-99). The start of the third stage is controlled by a signal from a unit controlling the valve operation frequency and the 4th by a signal announcing completion of charging mazut during the release of the slag, and for this purpose a photoelement is used in connection with an MRV-26-time relay ЭПП-09 (EPP-09) potentiometer operated in case of an open circuit in the automatic system. The correction system for limiting factors provides for automatic correction of the thermal load by controlling the operation frequency of the valves and of the temperature in the vertical channel on the outlet side of the furnace, as well as correction of the mazut-air ratio by measuring the contents of oxygen in the smoke with an МГК-348 (MGK-348) gas analyzer. The automatic switching over the valves is controlled by the temperature gradient measured across the spigots. A provision is made for automatic adjustment of the burner jet angle by raising it when charging the furnace and lowering it down after discharge of the furnace; this operation is con-

Card 2/3

Complex automation of ...

trolled by an ИМТ-6 (IMT-6) servomechanism of variable speed. A description is given of the mazut consumption control system using an ИР-130 (IR-130) regulator with a somewhat modified adding circuit, as well as the valve operation frequency correction system for mazut consumption control. There are 3 figures. [Abstractor's note: Complete translation.]

Card 3/3

DEMBOWSKA, J.

GEOGRAPHY & GEOLOGY

PERIODICAL: KWARTALINIK GEOLOGICZNY. Vol. 1, No. 2, 1957

DEMBOWSKA, J. The malm and the Lower Cretaceous in the Keynia region. p. 236.

Monthly List of East European Accessions (EEAI) LC. Vol. 8, No. 4, April 1959, Unclass.

DEMBOWSKA, Jadwiga

Geologic investigations within the Kujawy-Pomerania anticlinorium, 1957. Kwartalnik geol 3 no.2:286-295 '59. (EEAI 9:8)

1. Zaklad Geologii Nizu I.G.
(Poland--Geology)

DEMBOWSKA, Jadwiga

Malm development in the southern part of the Peribaltic Syneclise in the light of recent borings. Przegl geol 10 no. 4/5:181-186. Ap-My '62

1. Instytut Geologiczny, Warszawa.

DEMBOWSKI, Antoni

Carbon and graphite products. Przem chem Special issue:23-26 '58.

DEMBOWSKI, J.

Rembrandt television receiver type FE 852 B. p. 15.
RADIOAMATOR, Warszawa. Vol. 5, no. 3, Mar. 1955.

SOURCE: East European Acession List (EEAL) Library of Congress
Vol. 5, no. 8, August 1956.

DEMBOWSKI, J.

The RUBENS FZ855A television receiver. p. 15.

RADIOAMATOR. (Publication for amateur radio operators. Title varies: before 1954, Radio Amator. Monthly.) Warszawa, Poland.
Vol.5, no.6, June 1955.

Monthly list of East European Accessions (EEAI) LC, Vol.9, no.1, Jan. 1959.

Uncl.

DEMBOWSKI, J.; GIELEWSKI, K.

Some automobiles and special motorcars at the 28th Poznan International Fair. P. 634.

PRZEGLAD MECHANICZNY. (Stowarzyszenie Inznerow i Techikow Mechanikow Polskich) Warszawa, Poland. Vol. 18, no. 19/20, Oct. 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 9, no. 2, Feb. 1959. Uncl.

DRZEWSKI, J.

Problem of the regeneration of steel scrap. p. 459.
HUTNIK, Katowice, Vol. 32, no. 7/8, July/Aug. 1959.

SO: Monthly List of East European Accessions, (EEAI), LC, Vol. 4, no. 10, Oct. 1959, Uncl.

DEMBOWSKI J.
DEMBOWSKI, J.

Some economic aspects of mining and dressing copper ores.

p. 347 (Przeblad Gorniczy. Vol. 12, no. 9, Sept. 1956. Katowice, Poland)

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

Dembowski, Jacek

10121 Exploitation of After-Flotation Wastes of Non-Metallic Ores. Problematyka wyzyskania pollotacyjnych odpadów rud metali nieżelaznych. (Polish.) Jacek Dembowski. *Hutnik*, v. 23, no. 2, Feb. 1956, p. 77-84.
Storage and classification of wastes. Table, diagrams. 8 ref.

DEMBOWSKI, J.

Some problems of planning the future development of steel production in Poland. p. 61
(HUTNIK, Vol. 24, No. 2, Feb. 1957, Katowice, Poland)

SO: Monthly List of East European Accessions (EEAL) LC, Sept. 1957, Vol. 6, No. 9, Uncl.

DEMBOWSKI, J.

Actual problems of the technology of obtaining manganese. p. 192
(HUTNIC, Vol. 24, No. 5, May 1957, Katowice, Poland)

SO: Monthly List of East European Accessions Vol. 6, No. 9, Sept. 1957 Uncl.

DEMBOWSKI, Jacek, mgr

Profitableness of utilizing Polish zinc-lead ores. Rudy i metale 8 no.3:107-110 Mr '63.

DEMBOWSKI, Jacek, mgr

Foriegn exchange accounts in studies on the economic effectiveness of capital investmnets. Rudy i metale 8 no. 11:450-453 N '63.

DEMBOWSKI, Jacek, mgr.

Long and short term prognosis of zinc prices. Rudy i metale 10 no.1:38-42 Ja '65.

DEMBOWSKI, J.

Applying electronics in nuclear research. Ujit lap 15 no.3:22-23 10 F '63.

DEMBOWSKI, Jacek, mgr; URBANCZYK, Jan, dr

Estimation of prospective aluminum requirement in Poland.
Rudy i metale 6 no.8:365-368 Ag '61.

DEMBOWSKA, Jadwiga

Malm development in the southern part of the Peribaltic syneclise in the light of recent borings. Kwartalnik geol 6 no.2:386 '62.

1. Zaklad Geologii Nisu, Instytut Geologiczny, Warszawa.

DEMBOWSKI, Jan

BIOLOGY

C/1964

DECEASED

1964

DEMBOWSKI, H.

"First Czechslovak Standard Automatic Concrete Production Plant Starts Operation." p. 370,
(MECHANISACE, Vol. 2, No. 9, Sept. 1953, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4 No. 5, May 1955, Uncl.

DEMBOWSKI, M.

"Hoppers for Concrete; an Inquiry of the Advisory Council on Mechanization of Building. (To be Contd.)." p. 373,
(MECHANISACE, Vol. 2, No. 9, Sept. 1953, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4
No. 5, May 1955, Uncl.

DEMBOWSKI, M.

Our tasks in the standardization of building machinery. p. 322.

Vol. 3, no. 10, Oct. 1954 (Mechanisace)
INZENYRSKE STAVBY
Praha, Czechoslovakia

So: Eastern European Accession Vol. 5 No. 4 April 1956

DEMBOWSKI, M. - Inzenyrske Stavby - Vol. 3, no. 4, Apr. 1955.
Proceedings and resolution of the National Conference of Activists in Construction Engineering held March 7-8, 1955. p. 133.

Activities of the Advisory Board for Mechanical Engineering. p. 170.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 9, Sept. 1955, Uncl.

DEMBOWSKE, M.; STEPANEK, Z.

New building machinery in Czechoslovakia. p. 239. INZENYRSKE STAVBY. (Ministerstvo stavebnictvi) Praha. Vol. 4, no. 5, May 1956.

SOURCE: East European Accessions List, Vol. 5, no. 9, September 1956

DEMBOWSKI, Milan, inz.

Building machinery at the 3d Exhibition of Czechoslovak Engineering. Inz stavby 6 no.1:38-40 Ja '58.

1. Poradni sbor pro mechanisaci stavebnictvi.

DEMBOWSKI, Milan, inz.; SKOKANEK, J., inz.

Use of vacuum concrete for certain industrial constructions.
Inz stavby 10 no.9:321-329 S '62.

1. Inzenyrske a prumyslove stavby, n.p., Praha.

DEMBOWSKI, Zdzislaw

Preliminary results of the Miedzyrzecze IG 2 borehole. Kwartalnik geol 6 no.2:436 '62.

1. Gornoslaska Stacja Terenowa, Instytut Geologiczny, Warszawa.

DEMBOWSKI, Zdzislaw

State of recognition of the carboniferous formations in the Upper Silesian Coal Basin. Przegl geol 11 no.2:73-77 F '63.

1. Gornoslaska Stacja Terenowa, Instytut Geologiczny, Katowice.

KOMOROVSKIY, Yu. T., dotsent; MARKOVA, Ye. A., kand. med. nauk;
DEMBORINSKIY, I. V. (Ternopol')

Electroencephalography in the diagnosis of the syndrome of agastric asthenia. Klin. med. 40 no.7:88-94 Jl '62. (MIRA 15:7)

1. Iz kliniki obshchey khirurgii (zav. - dotsent Yu. T. Komorovskiy) i kafedry patologicheskoy fiziologii (zav. - dotsent Ye. N. Berger) Ternopol'skogo meditsinskogo instituta (dir. - dotsent P. Ye. Ogiy)

(STOMACH--SURGERY) (ELECTROENCEPHALOGRAPHY)
(ASTHENIA)

DEMBROVSKIY, M.A.

9-EML

Technique for determination of radium in human organism. Yu. G. Balashko, N. G. Gusev, M. A. Dembrovskii, and S. I. Krasova. Gigiena i Sanit. 1956, No. 1, 2[illegible] — A detailed description is given of procedure and eqp. for [illegible] of Ra in human body either by external γ radiation or by Rn elimination in respiration. G. M. [illegible]

4

EML

DEMBROVSKIY, M. A.

PHASE I BOOK EXPLOITATION SOV/4386

Moscow. Fiziko-khimicheskiy institut

Problemy fizicheskoy khimii; trudy, vyp. 2 (Problems in Physical Chemistry; Transactions of the Institute, no. 2). Moscow, Goskhimizdat, 1959. 202 p. 1,000 copies printed.

Editorial Board: Ya. M. Varshavskiy, Doctor of Chemical Sciences; G. S. Zhdanov, Doctor of Chemical Sciences; V. A. Kargin, Academician; Ya. M. Kolotyrkin, Doctor of Chemical Sciences (Resp. Ed.); S. S. Medvedev, Academician; S. Ya. Pshezhetskiy, Doctor of Chemical Sciences; V. M. Cherednichenko, Candidate of Chemical Sciences; V. S. Chesalova (Editorial Secretary), Candidate of Chemical Sciences; Ed.: I. A. Myasnikov; Tech. Ed.: Ye. G. Shpak.

PURPOSE: This collection of articles is intended for physical chemists.

COVERAGE: The collection is the second issue of the Transactions of the Scientific Research Institute of Physical Chemistry imeni L. Ya. Karpov. It contains 17 articles which review

Card 1/5

DEMBROVSKIY, M.A.; FLORIANOVICH, G.M.

Feasibility of using a scintillation γ-spectrometer for the determination of low rates of steel corrosion. Zashch. met. 1 no.1:115-118 Ja-F '65. (MIRA 18:5)

1. Nauchno-issledovatel'skiy fiziko-khimicheskiy institut imeni Karpova.

DEMBROWSKI, S.

Economic consumption of lumber for parquets and floors in apartment buildings, p. 59. (PRZEGLAD BUDOWLANY, Warszawa, Vol. 27, no. 2, Feb. 1955.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 6, Jun. 1955, Uncl.

DEMBOWSKI, Zdzislaw; JACHOWICZ, Aleksander

Development of studies on the geological and deposit structure of the Upper Silesian Coal Basin. Przegl geol 11 no.5:228-232 My '63.

1. Gornoslaska Stacja Terenowa, Instytut Geologiczny, Sosnowiec.

DEMBOWSKI, Z.; KOTAS, A.; MALCZYK, W.

Works on correlation of coal deposits in the Upper Silesian Coal Basin. Przegl geol 11 no.5:232-235 My '63.

1. Gornoslaska Stacja Terenowa, Instytut Geologiczny, Sosnowiec.

L 18856-63 EWP(q)/EWT(m)/BDS AFFTC/ASD JD/WB.

ACCESSION NR: AP3006184 S/0080/63/036/007/1543/1549

AUTHORS: Gorodetskiy, V. V.; Dembrovskiy, M. A.; Losev, V. V.

TITLE: Determination of corrosion rate of passive metals by radiochemical method.

SOURCE: Zhurnal prikladnoy khimii, v. 36, no. 7, 1963, 1543-1549

TOPIC TAGS: corrosion, passive metals, radiochemistry, spectrometer, platinum anode, electrolysis

ABSTRACT: Authors tested a radiochemical method for determining the corrosion rate of passive metals. Method is based on a preliminary neutron activation of the test samples with subsequent determination of the concentration of the radioactive products of corrosion in the solution by a scintillation Gamma-spectrometer. These tests showed that the proposed method can be used for a quantitative evaluation of the corrosion resistance of platinum anodes in hot, concentrated solutions of sodium chloride. It was shown that the corrosion rate of platinum anodes is relatively high in the initial stages of

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L 18856-63

ACCESSION NR: AP3006184

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electrolysis and decreases rapidly in time, with the result that after 1 to 2 days after initiation of electrolysis a stable, constant dissolution of the anodes is attained. Authors conclude that stationary, passive state of the platinum anode is attained very slowly and this is readily disrupted by changing the conditions of electrolysis, whereupon the stable dissolution rate of the passive anode is determined by its potential. "Authors express their thanks to Ya. M. Koloty*rkin, I. Ye. Veselovska and V. I. Levin for valuable hints making it possible to complete this paper." Orig. art. has: 3 figures.

ASSOCIATION: None

SUBMITTED: 14Dec62 DATE ACQ: 25Sep63 ENCL: 00

SUB CODE: CH NO REF SOV: 005 OTHER: 004

Card 2/2

CHEMODANOV, A.N.; MOROZOVA, I.K.; GORODETSKIY, V.V.; DEMBROVSKIY, M.A.; LOSEV, V.V.; KOLOTYRKIN, Ya.M.

Effect of potential on the rate of platinum dissolution in hydrochloric solutions. Zashch.met. 1 no.4:433-435 Jl-Ag '65. (MIRA 18:8)

1. Nauchno-issledovatel'skiy fiziko-khimicheskiy institut imeni L.Ya.Karpova, Moskva.

DEMBROVSKIY, S.A.; VINOGRADOVA, G.Z.; PASHINKIN, A.S.

Crystallization of glasses of the Se - Ge system. Zhur. neorg. khim. 10 no.7:1657-1659 Jl '65. (MIRA 18:8)

DEMBSKA, K.

MARKOLISOWA, Anna; PRESS, Janina; WILKOWA, Maria; WALEWSKA, Emilia; DEMBSKA, Krystyna

Neurological, characterial & psychic lesions in children after tuberculous meningoencephalitis. Gruzlica 25 no.7:571-579 July 57.

1. Z Centralnej Wojewodzkiej Poradni Przeciwgruzliczej w Lodzi Kierownik: prof. dr med. J. Szustrowa. Adres: Lodz, ul Moniuszki 7/9.

(TUBERCULOSIS, MENINGEAL, in inf. & child
characterial, neurol. & psychic seq. (Pol))
(MENTAL DISORDERS, in inf. & child
characterial, neurol. & psychic seq. of meningeal tuberc. (Pol))

ABRAMOV, V.P.; DEMBSKAYA, G.I.

New data on Mesozoic sediments in the northern part of the Pechora depression. Mat.po geol.i pol.iskop.Sev.-Vost.Evrop.chasti SSSR no.1:42-48 '61. (MIRA 14:11)
(Pechora Valley--Geology, Stratigraphic)

1. Dembskaya, I.B., Karmashova, N.N.

2. USSR (600)

4. ASINO DISTRICT - HONEY PLANTS

7. Honey plants of Asino District (Tomsk Province) and their use. Trudy Tomsk. un. 114, 1951.

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

DEMBSKAYA, L.B.

Using tetramethylthiuram-disulfide for controlling black scurf in potatoes. Zashch. rast. ot vred. i bol. 5 no.1:28 Ja '60. (MIRA 14:6)

1. Zaveduyushchaya laboratoriyey zashchity rasteniy Gosudarstvennoy sel'skokhozyaystvennoy opytnoy Stantsii, Novosibirsk. (Potatoes—Diseases and pests) (Sulfides)

POLAND/Cultivated Plants - Medicinal. Essential Oils. Toxins. M.

Abs Jour : Ref Zhur - Biol., No 4, 1958, 15879

Author : W. Dembskaya, K. Shpunar, J. Zayenchkovskiy

Inst : State Scientific Institute for Raw Medicinal Plants.

Title : Observations in Plantations of the Common Valerian Made in 1955.
(Rzul'taty nablyudeniy nad plantatsiyami valeriany lekarstvennoy v 1955 godu).

Orig Pub : Biul. Panstw. inst. nauk. leczn. surow. rosl. Poznaniu, 1956, 2, No 3, 164-171.

Abstract : The observations were made at 14 plantations containing various varieties of Valeriana officialis, var. latifolia, var. tenuifolia, var. media, distributed in Poznan and Warsaw Provinces in varying climatic and edaphic conditions. With a bad spring and favorable summer and fall

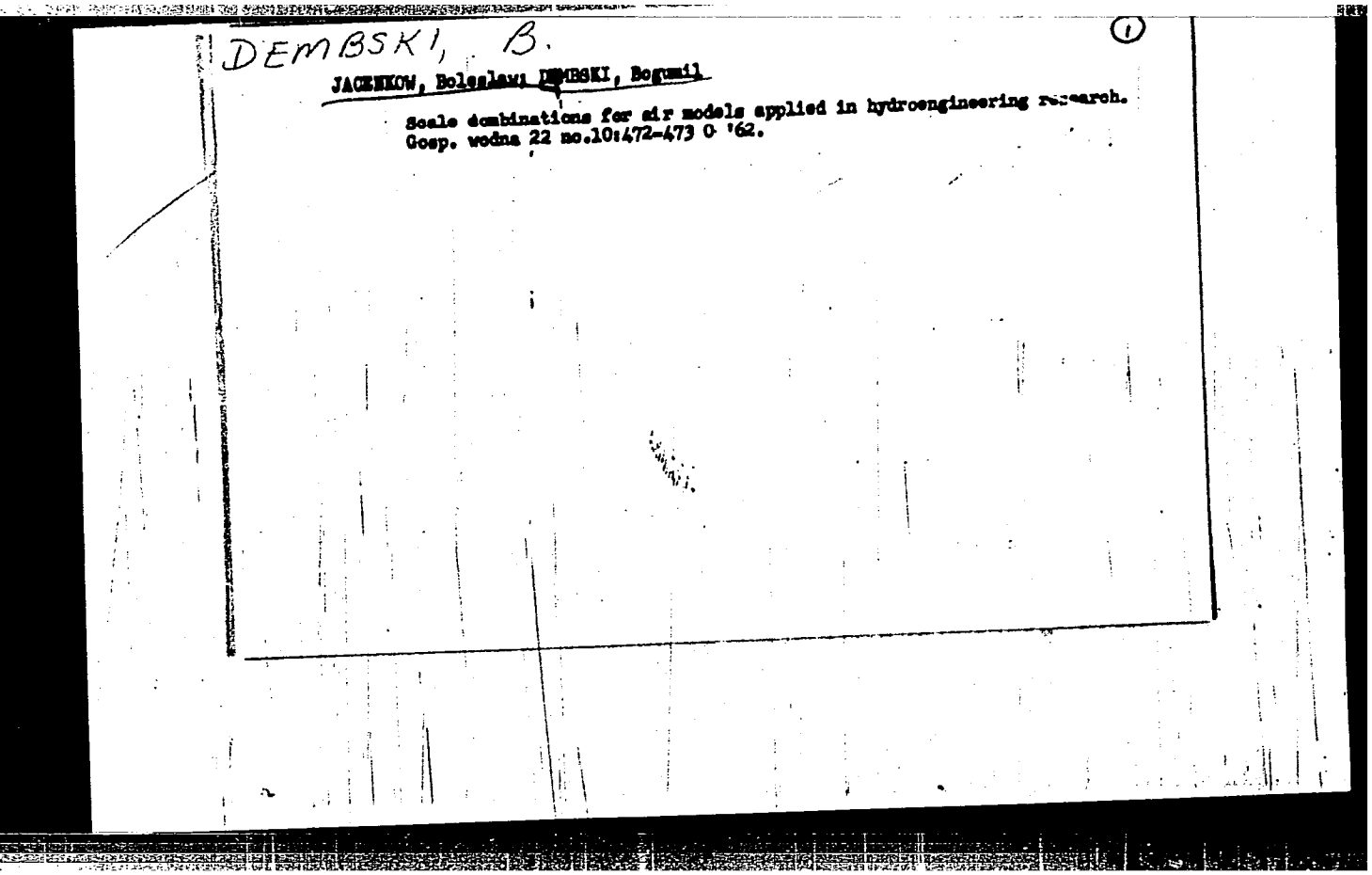
Card 1/2

POLAND/Cultivated Plants - Medicinal. Essential Oils. Toxins. M.

Abs Jour : Ref Zhur - Biol., No 4, 1958, 15879

the seed yield was 200 kilograms per hectare and that of rootstocks 2350 kg per hectare. The essential oil in the raw material was 0.25 - 1.25%, the biological activity of which was 1095-1492 units. There has been no link established between the content and the biological activity of the essential oils. It was determined that varieties with thick rootstocks lend themselves when dried to finer pulverization than the varieties having thin rhizomes. It is recommended that the picking, washing and cutting of the raw stuff be done on the spot of its gathering.

Card 2/2



DEMBSKI, B.

JACZEWKOW, Boleslaw; DEMBSKI, Bogumil

Scale combinations for air models applied in hydroengineering research.
Gosp. wodna 22 no.10:472-473 O '62.

DEMBSKI, B.

JACENKOW, Boleslaw; DEMBSKI, Bogumil

Determination of the number values of the coefficient of roughness and critical velocities of transported material for air models. Gosp. wodna 22 no.10:471-472 O '62.

JACENKOW, Boleslaw; DEMBSKI, Bogumil

Determination of the scale of an air model for studies in hydraulic engineering. Rozpr hydrotechn no. 14: 3-39 '63.

TAMAROV, S., insh.; DEMBSKIY, A., insh.

Bran scouring machine. Muk.-elev. prom. 24 no.7:24-25 Jl '58.
(MIRA 11:10)

1.Gor'kovskiy mashinostroitel'nyy zavod im. Vorob'yeva.
(Grain milling machinery)

DEMBSKI, Bronislaw; SIEKOWSKI, Roman

Spinning of cotton blended with polyester staple fibers. Przegl wlokien 16 no.12:611-614 D '62.

DEMCHAKOV, A.S.; BURENIN, S.A.

Experimentation on the industrial level of ore transportation by conveyor. Gor.zhur. no.1:47-50 Ja '55. (MLRA 8:7)
(Krivoy rog--Mine haulage) (Conveying machinery)

DEMCHENKO, A.

Vocational education in rural schools of the Crimea. Politekh. obuch. no.5:86-89 My '58. (MIRA 11:5)

1.Nauchno-issledovatel'skiy institut pedagogiki USSR.
(Crimea--Vocational education)

SOV/81-59-16-58512

Translation from: Referativnyy zhurnal. Khimiya, 1959, Nr 16, p 411 (USSR)

AUTHORS: Zherdeva, L.G., Mikhaylov, I.A., Demchenko, A.D., Cherchenko, N.V., Timofeyeva, K.M.

TITLE: The Possibilities of Using the Continuous Process of Adsorption Separation of Petroleum Fractions

PERIODICAL: Tr. Vses. n.-i. in-t po pererabotke nefti i gaza i polucheniyu iskusstv. zhidk. topliva, 1958, Nr 7, pp 93-103

ABSTRACT: In a laboratory installation experiments were made regarding the continuous purification by an adsorbent (crumbled Al-Si catalyst) of distillate and deasphaltized residual fractions of sulfurous (Tuymazy, Romashkino, and their mixtures) and low-sulfurous (Emba, Zhirnovo, Baku) petroleum. The purification was carried out in the counter-flow system at continuous contacting of the descending adsorbent layer with the ascending raw material flow and with continuous desorption by solvents and regeneration of the adsorbent. The process can be applied to products of various viscosity and used to obtain oils, paraffins and fuels.

Card 1/1

Ye. Pokrovskaya.

ZHERDEVA, L.G.; MIKHAYLOV, I.A.; DEMCHENKO, A.D.; CHERCHENKO, N.V.; LEVINSON, S.Z.; TIMOFEYEVA, K.M.

Production of lubricating oils by adsorption refining with a moving bed of adsorbent. Trudy VNII NP no.7:103-119 '58. (MIRA 12:10)

(Lubrication and lubricants) (Adsorption)

DEMCHENKO, A. F.

DEMCHENKO, A. F.: "Eurygaster integriceps Put. in the Ukrainian SSR and a system of measures to combat it." Moscow Order of Lenin Agricultural Academy imeni K. A. Timiryazev. Moscow, 1956. (Dissertations for Degree of Doctor in Agricultural Sciences).

SO: Knizhnaya Letopis' No. 22, 1956

Demchenko, A.I.

REZNIKOV, V.T., gornyy inzhener; DEMCHENKO, A.I., gornyy inzhener.

Scientific and technical conference on problems of developing the Lvov-Volyn Coal Basin. Ugol' 32 no.6:46-47 Je '57.
(MLRA 10:7)
(Lvov-Valyn Basin--Coal mines and mining)

PECHKOVSKIY, Vsevolod Ivanovich [Pechkovs'kyi, V.I.]; DEMCHENKO, Aleksandr Ivanovich [Demchenko, O.I.]; KOCHERGA, M. [Kocherha, M.], vedushchiy red.; KUKHARENKO, Z., tekhn.red.

[Coal mining in the people's democracies] Vydobuvannia vuhillia v krainakh narodnoi demokratii. Kyiv, Derzh.vyd-vo tekhn.lit-ry URSR, 1958. 171 p. (MIRA 13:12)
(Communist countries--Coal mines and mining)

DEMCHENKO, Aleksandr Ivanovich [Demchenko, O.I.]; KOCHERGA, M. [Kocherha, M.] red.; GUSAROV, K. [Husarov, K.], tekhn.red.

[Development of the Lvov-Volyn' coal basin] Osvoiennia L'vivs'koho vuhil'noho baseinu. Kyiv, Derzh.vyd-vo tekhn.lit-ry URSR, 1959. 108 p. (MIRA 13:2)

(Lvov-Volyn' Basin--Coal mines and mining)

DEMCHENKO, A.I.

Efficient system of working contiguous seams of the Novovolynsk area of the Lvov-Volyn' Basin. Sbor.trud.Inst.gor.dela AN URSR no.5:121-132 '58. (MIRA 15:5)
(Novovolynsk region--Coal mines and mining)

ACC NR: AP6029060 SOURCE CODE: UR/0413/66/000/014/0098/0098

INVENTOR: Demchenko, A. M.; Zarubin, G. N.

ORG: None

TITLE: An installation for testing thermal fatigue in heat-resistant alloys. Class 42, No. 183992

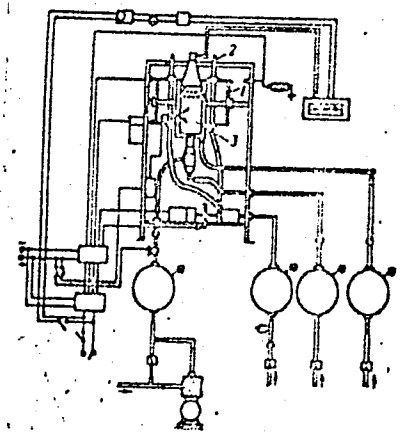
SOURCE: Izobret prom obraz tov zn, no. 14, 1966, 98

TOPIC TAGS: thermal fatigue, heat resistant alloy, test facility

ABSTRACT: This Author's Certificate introduces an installation for testing thermal fatigue in heat-resistant alloys in a stream of gases. The device contains a combustion chamber with a mixing chamber. The individual assemblies in the installation are protected from sharp temperature drops by equipping the device with a movable carriage on which nozzles are located for compressed air supply. The combustion chamber is also located on this carriage so that the specimens to be tested may be alternately heated and cooled.

Card 1/2 UDC: 620.17.051:620.178.38

ACC NR: AP6029060



1—carriage; 2—nozzles; 3—combustion chamber

SUB CODE: 11, 13/ SUBM DATE: 08Jan65

Card 2/2

DEMCHENKO, Aleksandr Mikhaylovich; KOCHEYEV, Ivan Petrovich; ANISIMOV, A.V., red.; SHAIRINA, N.D., tekhn.red.

[In the land of blue valleys] V kraiu golubykh dolin. Moskva, Izd-vo VTsSPS, Profizdat, 1959. 61 p. (MIRA 13:4)
(Gorno-Altay Autonomous Province)

GARKSVTSEV, S.Ya., inzh.; DEMCHENKO, A.M., inzh.

Concerning the ventilation of 220 kv. air cutouts. Elek.sta.33 no.1:83-85 Ja '62. (MIRA 15:3)
(Electric cutouts--Cooling)

DEMCHENKO, A.N. (Moskva)

Functional disorders of the stomach. Klin.med. 39 no.2:58-64 F '61. (MIRA 14:3)

(STOMACH--DISEASES)

DEMCHENKO, A.N.

Condition of the taste analyzer in some stomach diseases. Sov. med. 25 no.9:52-55 S '61. (MIRA 15:1)
(STOMACH--DISEASES (TASTE)

VARTAPETOV, B.A.; DEMCHENKO, A.N.

Functional state of arterioles in men with vasomotor manifestations of the climacteric period before and after treatment with testobromlecit. Probl.endok.i gorm. 10 no.6:49-52 N-D '64. (MIRA 18:7)

1. Otdel fiziologii (zav. - prof. B.A.Vartapetov) Ukrainskogo instituta eksperimental'noy endokrinologii (dir. S.V.Maksimov), Khar'kov.

DEMCHENKO, A. P.

"Lyophilic Property and Some Problems of the Theory of Directed Detergent Synthesis."

report presented at the Section on Colloid Chemistry, VIII Mendeleyev Conference of General and Applied Chemistry, Moscow, 16-23 March 1959.
(Koll. Zhur. v. 21, No. 4, pp. 509-511)

DEMCHENKO, A.P., assistent

State of public health in Pavlograd District, Omsk Province, and prospects for its development. Zdrav. Ros. Feder. 6 no.1:11-14 Ja '62. (MIRA 15:3)

1. Iz kafedry organizatsii zdravookhraneniya Omskogo meditsinskogo instituta (zav. - dotsent N.I. Shangin).
(PAVLOGRAD DISTRICT (OMSK PROVINCE)--PUBLIC HEALTH)

DEMCHENKO, A.F.

Mortality [illegible] cancer of the pancreas in Omsk during a period of 7 years (1957-[illegible]). Vop. onk. 11 no.4:86-87 '65.

(MIRA 18:8)

1. Iz kafedry organizatsii zdravookhraneniya (zav. - prof. N.T. Shangin) Omskogo meditsinskogo instituta imeni M.I.Kalinina.

DEMCHENKO, A.T.; YEVSEYEV, A.I.

Molybdenum disulfide lubricant. Metallurg 9 no.1:37 Ja '64
(MIRA 18:1)

1. Vsesoyuznoye ob"yedineniye "Stankoimport" i sortoprokatnyy tsekh No.2 Krivorozhskogo metallurgicheskogo zavoda.

DEMCHENKO, Anatoliy Tarasovich; YEVSEYEV, Anatoliy Ivanovich; DATSENKO, Petr Fedorovich

[Mechanical equipment of continuous small-section and wire-rod rolling mills] Mekhanicheskoe oborudovanie nepreryvnykh melkosortnykh i provolochnykh stanov. Moskva, Metallurgiia, 1965. 156 p. (MIRA 18:7)

L 1365-66 EWT(d)/EWT(m)/EWP(w)/EWP(t)/EWP(k)/EWP(h)/EWP(b)/EWP(l)/EWA(c)

ACCESSION NR: AP5021699 JD/HW UR/0383/65/000/004/0040/0042

621.771.2.004.11

AUTHOR: Markovskiy, I.Z.; Khovrin, B.V.; Demchenko, A.T.

TITLE: New "300" continuous skelp mill

SOURCE: Metallurgicheskaya i gornorudnaya promyshlennost', no. 4, 1965, 40-42

TOPIC TAGS: continuous skelp mill, automatic rolling mill, skelp mill, skelp coil, metal strip, bent section, rolled stock/"300" continuous skelp mill

ABSTRACT: This automated "300" continuous skelp mill was installed at the Krivoy Rog Metallurgical Plant imeni Lenin. It is designed to roll skelp 116 to 400 mm wide and 2 to 8 mm thick from billets 100 mm thick, 120-400 mm wide, and 12 m long. The mill consists of 15 roll stands divided into one breakdown group and one finishing group. The breakdown group consists of nine individually driven roll stands with a wide range of rolling speeds; of these nine, three have vertically positioned rolls and six other roll stands in this group are of the horizontal two-high kind. The finishing group consists of six roll stands, also individually driven, of which one is horizontal two-high, three are four-high, and two have vertically positioned rolls. The billets are placed by means of a crane on a manipulator-

Card 1/3

L 1365-66
ACCESSION NR: AP5021699

equipped approach table on which they travel toward a continuous furnace where they are heated to 1200°C; thence they proceed to cutting shears, where they are cut into specific lengths (8 to 12 m), and onto a roller table which carries them to the first roll stand, or discards them if they are defective; the entire process is automated, being controlled by an operator at a control panel. After passing through the breakdown and finishing rolls the skelp is water-cooled on the run-out table and conveyed to two coilers. The rate of travel of the run-out table and the rate of skelp coiling are synchronized with the rolling rate (up to 21 m/sec). The alternate energizing of each coiler is accomplished by the pulse of a photorelay mounted at the end of the run-out table. Each coiler is equipped with a coil removing attachment by means of which the coils are placed on two chain conveyers on which they cool to 250-350°C. At the end of the conveyers are installed coil-removing attachments, two coil-binding machines, and two bundling trolleys. On these trolleys the coils are conveyed to the bays of the warehouse, where they are unloaded by bridge cranes. Since the mill was put into operation (29 May 1964) it has been used to organize the production of such sections as 250x4, 290x4, 320x3.2, 320x3.5, 360x4, and 370x4 mm skelp and strips; and 250, 320, 360, and 370 mm wide, 4.7-8 mm thick sheet bars. It is now being geared to the rolling of 300x4 mm skelp, designed for the production of bent sections; this will be a major contribution to

Card 2/3

L 1365-66

ACCESSION NR: AP5021699 6

the production of rolled stock in the USSR. Orig. art. has: 1 figure, 1 table.

ASSOCIATION: none

SUBMITTED: 00 ENC: 00 SUB CODE: MM, IE

NO SOV REF: 000 OTHER: 000

Card 3/3 dg

MARKOVSKIY, I.Z.; KHOVRIN, B.V.; DEMCHENKO, A.T.

The new continuous 300 strip mill. Met. i gornorud. prom. no.4:40-42 Jl-Ag '65. (MIRA 18:10)

TUL'CHINSKAYA, V.P., professor; DEMCHENKO, A.V.

Antibacterial properties of polyanol, a synthetic estrogenic substance. Mikrobiol.zhur. 13 no.2:107-110 '51. (MLRA 9:9)

1. Iz Odesskogo sel'skokhozyaystvennogo instituta.
(POLYANOL) (BACTERICIDES)

USSR/Medicine - Brucellosis May 52

"Comparative Data on Allergy Reaction of Sheep Affected With Brucellosis to Brucellysate and Brucellohydrolysate VIEV," Prof V. P. Tulchinskaya, A. V. Demchenko

"Veterinariya" No 5, pp 22-24

PA 228T39

Submits charts showing the results of exptl injection of diseased and suspected sheep with Brucellysate VIEM (extract of specific protein components of brucellae) and with a Brucellohydrolysate VIEV (an allergen which has been purified still further).

228T39

The results of the test were controversial. Authors recommend that more care should be exercised in the checking and standardization of various series of Brucellohydrolysate VIEV before their release to the veterinary profession.

228T39

DEMCHENKO, A. V.

Bang's Disease

Use of Dorogov's ASD preparations (antiseptic stimulants) in brucelliasis of sheep. Veterinariia, 29, No. 2, 1952.

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

DEMCHENKO, A. V. Jun 53

USSR/Medicine - Brucellosis

"Role of the Cerebral Cortex in the Immunological Reactivity of the Organism of Brucellar Sheep to Vaccinotherapy," A. V. Demchenko, Odessa Agr Inst

Zhur Mikro, Epid, i Immun, No 6, pp 24-25

By acting on the cerebral cortex of sheep with bromine or caffeine, one may either weaken or strengthen the immunological reactivity of the organism and in this manner regulate the diagnostic and therapeutic effects of specific biological agents (allergens or vaccine). Caffeine increases the reactivity to vaccinotherapy (as shown by allergic reactions), while bromine reduces it by establishing protective inhibition. Vaccine therapy of chronic brucellosis in sheep is effective only when bromine has been administered.

M-ıro, 7 Febıı - Translation

267T13

DEMCHENKO A.V.

USSR/Medicine - Veterinary, Brucellosis, Vaccine Mar 53

"Indices of Immunological Reactivity of the Organism of Brucellar Sheep," A. V. Demchenko.

Mikrobiol Zhur, Vol 15, No 1, pp 11-19

It has been proven that vaccine therapy greatly speeds up recovery of sheep that have been naturally infected with brucellosis. Phagocytic reactions reflect more conclusively and uniformly the immune reactions of the organism of the brucellar sheep than do the sero-allergic reactions. The factors that have been taken into consideration in detg the median indices of the immune reaction of the organism of sheep that were naturally infected with brucellosis are: the stage of infection, environmental factors, age, and vaccine therapy.

15A T19

USSR/ Medicine - Veterinary, Brucellosis, Immunity Mar 53

DEMCHENKO, A.V.

"Role of the Cortex of the Brain in the Immunological Reactivity of the Organism of Brucellar Sheep Throughout the Course of Vaccine Therapy," A. V. Demchenko

Mikrobiol Zhur, Vol 15, No 1, pp 20-26

A study was made of the effects of the cortical stimulation and inhibition upon the immune reactions of the organism of sheep that were subjected to vaccine therapy during the chronic stage of brucellosis infection. Caffeine and bromine regulate the immune reactions of an organism and thereby control the diagnostic and therapeutic effects of biologicals like "brucellizate," "brucellohydrolyzate," and brucellosis vaccine.

(CA 47 no.15:7636 '53)

15: T20