"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

VALYASHKO, N.A. [deceased]; CHESHKO, F.F.; ROMAZANOVICH, N.P.

Absorption spectra and structure of benzene derivatives. Part 21. p-dimethylaminobenzenesulfonic acid and its methyl ester. Zhur.ob.khim. 26 no.9:2516-2524 S '56. (MLRA 9:11)

1. Khar'kovskiy politekhnicheskiy institut.
(Benzenesulfonic acid--Spectra)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

ROMAZANOVICH, N.P.

Category: USSR / Physical Chemistry-Molecule. Chemical bond. B-4

Abs Jour: Referat Zhur-Khimiya, No 9, 1957, 29571

Author : XX. Valyashko N. A., Romazanovich N. P.
XXI. Valyashko N. A., Cheshko F. F., Romazanovich N. P.

Inst : not given

Title : Absorption Spectra and Structure of Benzene Drivatives. XX. Spectrographic Investigation of p-Aminobenzene Sulfonic Acid and Its Derivatives. XXI. p-Dimethylaminobenzene Sulfonic Acid and Its Methyl Ester.

Orig Pub: Zh. obshch. khimii, 1956, 26, No 9, 2509-2516; 2516-2524.

Abstract: XX. Investigation of ultraviolet absorption spectra (AS) of p-amino benzene sulfonic acid (I) and its amide (II), in water, 1 N NaOH and 1 N HCl, of ethyl ester of I (III) in 40 and 95% alcohol and of I in 40% alcohol; AS curves, λ_{max} and ε, are given. A comparison is made with AS of benzene sulfonic acid (IV). Since AS of I contains a strong absorption band which is retained in alkaline solution, and since AS of III and II are very close to AS of I in aqueous solution,

Card : 1/3

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

Category: USSR/Physical Chemistry-Molecule. Chemical bond. B-4

Abs Jour: Referat Zhur-Khimiya, no 9, 1957, 29571.

the authors reach the conclusion that I cannot exist in the form of an internal salt. Investigation of dependence of conductance of binary systems I - NaOH and I - HCl on composition and value of the heat of neutralization of I, did not confirm the possibility of the existence of I in the form of a dipolar ion. The authors consider that in I the NH_2 and SO_3H groups are conjugated with the benzene ring; the assumed conjugation scheme is shown.

XXI. Investigation of ultraviolet AS of p-dimethyl aminobenzene sulfonic acid (V) in 40% alcohol and 1 N HCl, and of its methyl ester (VI) in 40% alcohol; AS curves, λ_{max} and ε, are shown. Similarity of AS of I, V and VI was ascertained. V was prepared from I and CH I. VI was prepared by methylation of V with $(CH_3)_2SO_4$; melting points of the freshly prepared, after 1, 3, 8 and 17 days are, respectively, 91, 180, 230 (decomposes) and 250° C (decomposes). From the last mentioned specimen was isolated, by extraction with benzene, a new, water-soluble form of VI, MP 300° (decomposes); both forms have been investigated microscopically and by means of x-rays; it was found that the

Card : 2/3 -7-

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

Category: USSR/Physical Chemistry-Molecule. Chemical bond. B-4

Abs Jour: Referat Zhur-Khimiya, no 9, 1957, 29571.

stable, water-soluble form has an ionic crystal lattice, while the metastabile -- a molecular lattice. These facts and also the ready mutual conversion of both forms, similarity of AS of VI and I, and difference from AS of IV, refute the previously expressed opinion (Kuhn R., Ruelius H., Chem. Ber., 1950, 83, 420) of the conversion of VI into betaine V. Communication XIX see RZhKhim, 1956, 64224.

Card : 3/3

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

ROMAZANOVICH, N.P.

Absorption spectra and structure of benzene derivatives [illegible] aminobenzenesulfonic acid and its derivatives [illegible] Zhur. Obshchei Khim. 26, 2509-16(1956), cf. C.A. 51, 2392f. Absorption spectra were detd. for the following: p-$H_2NC_6H_4SO_3H$ in H_2O, abs. max. 2490 A., inflection 3025-2780 A., in aq. NaOH, abs. max. 2490 A., inflection 3055-2750 [illegible] p-$H_2NC_6H_4SO_3NH_2$ [illegible]

[illegible] groups [illegible] 4 2638 and the ionization constant [illegible] support the idea of its existence as an inner salt. It is suggested that the p-conjugation between the SO_3H and NH_3 groups occurs by electron transfer to the central S atom reducing its formal charge from +2 to +1 with development of a +1 charge on the p-amino group with a quinoid structure p-$H_2NC_6H_4SO_3H$ [illegible] m. 82°, when freshly prepd. suffers a change on storage and with time, m. 255°, with little if any change in absorption spectrum, increased soly. in H_2O during this change is also noted. Electroconductivity of the system of the free acid with NaOH and HCl was detd. at 24°; in 1:1 acid-NaOH there exists a definite minimum in the conductivity curve; in the system with HCl there is a weak minimum at 1:9 amino acid-HCl. This displacement of the min. is explained by reduction of basicity of the NH_2

1/2

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

Valyashko, N.A. + Romazanovich, N.P.

5

group (through its conjugation with SO_3H. XXI. *p*-Dimethylaminobenzenesulfonic acid and its methyl ester. N. A. Valyashko, F. F. Cheshko, and N. P. Romazanovich. *Ibid.* 2510-24.- Absorption spectra in 40% EtOH were detd as follows: *p*-$H_2NC_6H_4SO_3H$, abs. max 2500 A., min. 2380, inflection 3120-2900 A.; *p*-$Me_2NC_6H_4SO_3H$, abs. max. 2560, abs. min. 2390, inflection 3085-2950 A. Freshly prepd. *p*-$Me_2NC_6H_4SO_2Me$, m. 91°, abs. max. 2850, very strong; with passage of time the m.p. rises and reaches a decompn. point of 250° in 17 days, with absorption at 2850 A. becoming 50% weaker; the ester after standing in this manner and being purified by extn. with C_6H_6, decomp. 300° and shows weak absorption at 2850 A.; recrystn. from EtOH yields the initial form of the ester once again. The x-ray pattern of the ester changes in storage, but the change is not the formation of a betaine (cf. Kuhn and Ruelius, *C.A.* 45, 2408*b*); the stable form has an ionic lattice, the unstable isomer has a mol. lattice. G. M. K.

2/2

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

S/032/61/027/003/009/025
B101/B203

AUTHORS: Romazanovich, N. P. and Berezina, K. G.

TITLE: Polarographic determination of dichloro acetaldehyde in chlorination products of ethanol

PERIODICAL: Zavodskaya laboratoriya, v. 27, no. 3, 1961, 287-290

TEXT: Chloral, a chlorination product of ethanol, is used as initial material for the synthesis of chloroform (which is used for the production of fluoroplasts) and, together with dichloro acetaldehyde, for the synthesis of DDT and similar substances. The industrial chlorination product of ethanol, the so-called "chlorine oil", contains, besides chloral, other products of partial chlorination and oxidation of alcohol: dichloro acetaldehyde, its hydrates and alcoholates, acetals, dichloro acetic acid, its esters, etc. The determination of the content of dichloro acetaldehyde is important for the control of the chlorination process. It is, however, not possible by chemical methods in the presence of chloral. Proceeding from a paper by Ph. Elving, E. Bennet (Ref. 3: Anal. Chem., 26, 10, 1572 (1954)), the polarographic determination of dichloro acetaldehyde in a mixture with

Card 1/3

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

chloral hydrate by means of a ЦЛАЕ-312 (TsLA PE-312) electronic polarograph was developed. KCl was used as a background. Oxygen was removed by addition of Na_2SO_3. Under such conditions, chloral hydrate gives a distinctly marked wave ($E_{1/2}$ = -1.6 v). Dichloro acetaldehyde gives two waves ($E_{1/2}$ = -1.1 and -1.6 v). In mixtures of the two substances the -1.6 v waves are superimposed, and the -1.1 v of dichloro acetaldehyde appears distinctly only at a low content (5-10%) of chloral hydrate. With more than 50% chloral hydrate, its influence on the first wave of dichloro acetaldehyde must be taken into account. Fig. 2 shows the calibration curves. If the content of dichloro acetaldehyde is lower than 50%, the polarogram should be plotted with addition of a known amount of dichloro acetaldehyde. Errors of up to 13-14% may arise in this connection. As direct polarography of chlorine oil is not possible due to disturbing impurities, it is distilled off, and polarography is performed with the fractions 85-90°C and 90-95°C; the result is converted for the weighed portion of chlorine oil. The basis is 100 g of chlorine oil. The two fractions are weighed, and filled up to 100 ml with distilled water. 0.5-1.0 ml of the solution is mixed with 1 ml of saturated Na_2SO_3 solution and 25 ml of 0.2 N KCl. Polarography is performed

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

after filling up to 50 ml by addition of water. There are 3 figures, 2 tables, and 4 references: 3 Soviet-bloc and 1 non-Soviet-bloc.

Legend to Fig. 2: Calibration curves. I) Chloral hydrate; II) first wave of dichloro acetaldehyde; III) second wave of dichloro acetaldehyde; IV) elevation of the first wave of dichloro acetaldehyde by the presence of chloral hydrate

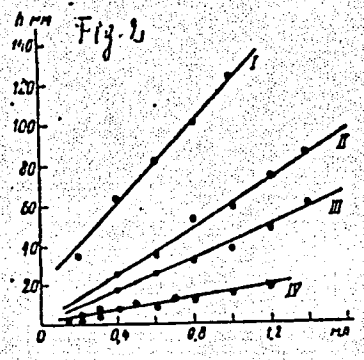

Fig. 2

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

ROMAZANOVICH, N.P.; BEREZINA, K.G.

Polarographic analysis of some analogs of DDT. Zav. lab. 27 no. 12:1453 '61. (MIRA 15:1)

(Ethane) (Polarography)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

SHULYAK, L.I.; SEREDA, I.P.; ROMAZANOVICH, O.P.

Spectrophotometric determination of bis (p-chlorophenoxy) methane and bis (o-chlorophenoxy) methane present together. Ukr. khim. zhur. 29 no.10:1092-1095 '63. (MIRA 17:1)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

1ST AND 2ND ORDERS 3RD AND 4TH ORDERS

PROCESSES AND PROPERTIES INDEX

F M

3785. CEMENT MANUFACTURE AS A WAY OF UTILIZING BOILER SLAG AND SPARE WORKING CAPACITY OF ELECTRIC POWER STATIONS. Verkman, A. M. and Romaskov, B. B. (Stroitelnaya Promyshlennost, 1945, Vol. 23, Nos. 10-11, 4-7). A report is given of the manufacture of slag cement based on the residue from lean coal burnt at electric power stations. Of the three components, fly-ash, boiler-ash, and slag, as a rule only the last is used, though the admixture of boiler-ash is admitted in special cases. At the Novosibirsk power station a cement of equivalent quality to one based on granulated blast-furnace slag (strength grade 80), but with a shorter settling time, is obtained with 20 per cent slaked lime, 3 per cent gypsum and 77 per cent slag. Another cement is composed of 70 per cent slag, 27 per cent Portland cement and 3 per cent gypsum (strength grade 200). The production is so organized that mainly the reserve machinery of the grinding and crushing

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

equipment is utilized, the machines operating during periods of reduced consumption of electric power.

B.R.S.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

Bv. Abs.

B1-5; Building and Road-Making Materials

Cement manufacture as a way of utilizing boiler slag and space working capacity of electric power stations. A. M. Verxman and V. V. Romashov (*Stroitelm. Prom.*, 1945, [illegible], No. 10—11, 4—7; *Build. Sci. Abs.*, 1947, [illegible], [illegible]).—The manufacture of slag cement from the residue from lean coal burned at power stations is described. Of the three components, fly ash, boiler ash, and slag, only the last is usually used, but admixture of boiler ash is allowed in special cases. At Novosibirsk power station a cement equal in quality to one based on granulated blast-furnace slag [strength grade (*S.G.*) [illegible]], but with a shorter setting time, is obtained with slaked CaO 20, gypsum 3, and slag 77%. Another cement contains slag 70, Portland cement 27, and gypsum 3% (*S.G.* [illegible]).

R. B. Clarke.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

CA

20

Cement manufacture as a way of utilizing boiler slag and spare working capacity of electric power stations. A. M. Verkhman and Y. Y. Romashkin. *Stroitel. Prom.* 23, No. 10–11, 4–7(1945).—The manuf. of slag cement from the residue from lean coal burned at power stations is described. Of the 3 components, fly ash, boiler ash, and slag, only the last is usually used, but admixture of boiler ash is allowed in special cases. At Novosibirsk power station a cement equal in quantity to one based on granulated blast-furnace slag [strength grade (*S.G.*) 80], but with a shorter setting time, is obtained with slaked CaO 20, gypsum 3, and slag 77%. Another cement contains slag 70, portland cement 27, and gypsum 3% (*S.G.* 200).
B. A.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

Romaszko W.

Romaszko W., Eng. "Increase in the Daily Run of Railway Locomotives and in the Working Hours of the Crew in Goods Traffic." (O zwiekszeniu przebiegu dobowego parowozow i druzyn parowozowych w ruchu towarowym). Przeglad Kolwjowy, No. 3, 1950, pp. 58-60, 4 figs.

Referring to railway practice in the Soviet Union, where the covering of distance of more than 500 km daily by the engine crew is a normal occurence, the author maintains that, on the Polish State Railways, runs of approximately 500 km daily could also be achieved in the case of long-distance goods trains with a commercial speed above 35 km/hour, without infringing the provisions of the law pertaining to working hours. This contention is supported by a number of examples based on effective traffic graphs, as well as by recommendations as to the requisite organization of engine crews. Other examples point to the possibility of increasing, by corresponding assignment of the crew services, the mean daily active run of railway locomotives.

SO: Polish Technical Abstracts - No. 2, 1951

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

ROMBAKH, V.P.

Boundary of the absorption of light by alkaline earth oxides.
Opt. i spektr. 9 no.2:258-259 Ag '60. (MIRA 13:8)
(Alkaline earths)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

ROMBAKH, V.P.

Boundary of the fundamental absorption of light by chalcogenides of alkali-earth metals. Opt.i spektr. 10 no.5:683-684 My '61. (MIRA 14:8)

(Alkali earth metals--Optical properties)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

ROMBASHEVSKAYA A. G. AND KOKURIN A. P.

Reaktsionnaya Sposobnost' Slantsevogo Koksa, Goryuchiye Slantsy, 1934 No 5,58

SO:

Goryuchiye Slantsy # 1934-35, TN .871
G .74

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

PLATOV, Ye.M.; ROMBE, S.M.

Freezing semen in a lactose-yolk diluent with two per cent glycerol; preliminary report. Zhivotnovodstvo 23 no.8:84 Ag '61. (MIRA 16:2)

1. Laboratoriya iskusstvennogo osemeneniya Vsesoyuznogo nauchno-issledovatel'skogo instituta konevodstva.
(Semen—Preservation)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

ROMBE, S.M., aspirant

On what depends the duration of the period from calving to a new conception. Zhivotnovodstvo 23 no.2:47-49 F '61. (MIRA 15:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhivotnovodstva.
(Dairy cattle breeding)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

ROMBERG, V.

Bemerkung über die Gültigkeitsgrenzen der Galerkinschen Näherungsmethode für Eigenwertprobleme. Zh. Teokh. Fiz., 3 (1936), 489-491.

Metod Dlya Odnovremennogo Priblizhennogo Opredeleniya Cobstvennogo Znacheniya i Cobstvennoy Funktsii. Dan, 14 (1937), 65-68.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

3RD AND 4TH ORDERS

BC

d-1

Lower limit of the helium ground state calculated by Ritzsch's method. W. Romberg (Physikal. Z. Sowjetunion, 1935, 8, 516—527).—Calculations of the lower limit of the ground state for He by the methods of Hylleraas (A., 1928, 698; 1929, 616), Ritzsch (Kolloq., A., 1927, 912), and Weinstein (A., 1932, 787) are discussed. The method of Ritzsch gives good results. A. J. M.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

MATERIALS INDEX

AUTHOR INDEX

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

3RD AND 4TH ORDERS

11

*The X-Ray Determination of Residual Stresses. II.—The Determination of the Stress Tensor. W. Romberg (*Tech. Physics U.S.S.R.*, 1937, 4, (7), 524-532).—[In German.] Formulæ are derived for determining, both in magnitude and direction, the three principal stresses in strained materials from X-ray analytical photographs taken in certain defined directions, and for calculating the lattice constants of the material free from stresses.—J. S. G. T.

COMMON ELEMENTS

COMMON VARIABLES INDEX

MATERIALS INDEX

OPEN

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

AUTHOR INDEX

1ST AND 2ND LETTER

3RD LETTER

3RD AND 4TH ORDERS

MATERIALS INDEX

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

3RD AND 4TH ORDERS

*The X-Ray Determination of Residual Stresses. II.—The Determination of the Stress Tensor. W. Romberg (*Zhur. Tehnich. Fiziki (J. Tech. Physics)*, 1937, 7, (17), 1728–1735).—[In Russian.] See *Met. Abs.*, this vol., p. 16.

N. A.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

3RD AND 4TH ORDERS

***The X-Ray Determination of Residual Stresses. III.—Individual X-Ray Determination of the Three Principal Stresses in the Surface Layer.** G. Kurdjumov, W. Romberg, and M. Zheldak (*Tech. Physics U.S.S.R.*, 1937, 4, (7), 533–536).—[In German.] X-ray analysis of steel cylinders quenched in water from 600°–650° C., shows that superficial deformation of the cylinders is attributable to additional stresses excited parallel to the surface by longitudinal stresses within the cylinder. The results thus differentiate in favour of one of the mechanisms discussed in Part I (abstract above).—J. S. G. T.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

SA

A 51

1202. Lower Limit of the Helium Ground-State Calculated by the Ritz Method. W. Romberg. *Phys. Zeits. d. Sowjetunion*, 8. 5. pp. 516–527, 1935. *In German.*—The Hylleraas calculations with respect to the approximation function are simplified. The inequality $\overline{e^2} \geq \overline{e}^2$ is shown to enable a series of lower limits to be determined, and application of the Ritz process gives another numerical series which can only converge towards the solution. The Weinstein formula does not provide as good an approximation as the one now derived, although both expressions are accompanied by the same difficulties. Generalisation possibilities are briefly discussed. The paper is mathematical throughout. H. H. Ho.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

1st and 2nd orders

Processes and properties index

177

*The X-Ray Determination of Residual Stresses. III.—Individual X-Ray Determination of the Three Principal Stresses in the Surface Layer. G. Kurdjumov, W. Romberg, and M. Zheldak (*Zhur. Tehnich. Fiziki* (*J. Tec. Physics*), 1937, 7, (17), 1730–1738).—[In Russian.] See *Met. Abs.*, this vol., p. 16.

Materials index

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

PROCESSES AND PROPERTIES INDEX

COMMON ELEMENTS

COMMON VARIABLES INDEX

MATERIALS INDEX

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

"The X-Ray Determination of Residual Stresses. III.—Individual X-Ray Determination of the Three Principal Stresses in the Surface Layer. (I. Kurdjumov, W. Romberg, and M. Zheldak (*Tech. Physics U.S.S.R.*, 1937, 4, (7), 533-536).—[In German.] X-ray analysis of steel cylinders quenched in water from 800°-850° C., shows that superficial deformation of the cylinders is attributable to additional stresses excited parallel to the surface by longitudinal stresses within the cylinder. The results thus differentiate in favour of one of the mechanisms discussed in Part I (abstract above).—J. S. G. T.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

PROCESSES AND PROPERTIES INDEX

m

11

*The X-Ray Determination of Residual Stresses. III.—Individual X-Ray Determination of the Three Principal Stresses in the Surface Layer. (J. Kurdjumov, W. Romberg, and M. Zbeldak (*Zhur. Tekhnich. Fiziki* (*J. Tech. Physics*), 1937, 7, (17), 1730–1738).—[In Russian.] See *Met. Abs.*, this vol., p. 16.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

3RD AND 4TH ORDERS

The lower limit of the ground state of helium, calculated by the Ritz method. Werner Romberg. *Physik. Z. Sowjetunion* 8, 516-27(1935). Math. H. G.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

B

COUNTRY : GDR
CATEGORY : Physical Chemistry. Thermodynamics. Thermochemistry. Equilibria. Phase Transitions.*
ABS. JOUR. : RZKhim., No. 1 1960, No.469

AUTHOR : Rombock, L.; Serowy, F.
INST. : -
TITLE : Method of Separation of Multicomponent Solutions of Alkali Salts

ORIG. PUB. : J. prakt. Chem., 1959, 8, No 1-2, 17-27

ABSTRACT : Experiments were conducted for the separation of pure alkali salts from multicomponent solutions by the method of crystallization in vessels separated by glass partitions into 10 parts with decreasing temperature along the vessel. In the mutual system of Na, K || NO_3, Cl + H_2O it was possible to achieve the crystallization

*Physicochemical Analysis

CARD: 1/2

B-32

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

B

COUNTRY :
CATEGORY :

ABS. JOUR. : RZKhim., No. 1 1960, No. 469

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : of NaCl in a hot part and of KNO_3 in a cold
cont'd part of the vessel. The advantages of this method over isothermic evaporation are pointed out.-- N. Timofeyeva

CARD: 2/2

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

ROMBICZ, I.; COMBOS, G.

"Photometer for Flame in the Ceramic Laboratory", P. 105, (EPITOANYAG, Vol. 6, No. 3, March 1954, Budapest, Hungary)

SO: Monthly List of East European Accessions (EEAL), LC, Vol. 4, No. 3, March 1955, Uncl.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

ROMBIEL, P.; SZWEJKOWSKI, W.

ROMBIEL, P.; SZWEJKOWSKI, W. For the proper application of Bokanov's method in maintaining tracks. (To be contd.) Przeglad. p. 61

Vol. 8, no. 4, Apr. 1956
PRZEGLAD KOLEJOWY DROGOWY
TECHNOLOGY
Warszawa, Poland

So: East European Accession, Vol. 6, no. 2, 1957

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

ROMBIEL, P. ; SZWEJKOWSKI, W.

ROMBIEL, P. ; SZWEJKOWSKI, W. For the proper application of Bokanov's method in maintaining tracks. (Conclusion) Przeglad. p. 68

Vol. 8, no. 5, May 1956
PRZEGLAD KOLEJOWY DROGOWY
TECHNOLOGY
Warszawa, Poland

So: East European Accession Vol. 6, no. 2, 1957

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

ROMBRO, A. L.

"Fundamentals in Caring for Patients prior to and after X-Ray Therapy," Med. Sestra., No. 9, 1948.

X-Ray Tech., 5th Soviet Hosp., -c1948-.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

VEDMED', I.V., kand.tekhn.nauk; KULESHOV, V.P., inzh.; ROMBRO, B.N., inzh.

Experimental testing of a throttle wetting system.
Energomashinostroenie 8 no.1:41-44 Ja '62. (MIRA 15:3)
(Condensers (Steam))

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

ROMBRO, S.Ya.; TELYATNIKOV, I.P.

Use of television at the ammonium nitrate plant of the Lisichansk Chemical Combine. Khim.prom. no.4: 310-314 Je '60. (MIRA 13:8)

1. Gosudarstvennyy institut azotnoy promyshlennosti.
(Lisichansk--Ammonium nitrate)
(Industrial television)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

S/064/60/000/004/013/021/XX
B013/B063

AUTHORS: Rombro, S. Ya., Telyatnikov, I. P.

TITLE: Application of Television in the Ammonia Saltpeter Division of the Lisichanskiy khimicheskiy kombinat (Lisichansk Chemical Combine)

PERIODICAL: Khimicheskaya promyshlennost', 1960, No. 4, pp. 46-50

TEXT: This is a report on the installation of a TV system in the ammonia saltpeter division of the Lisichanskiy khimicheskiy kombinat (Lisichansk Chemical Combine). The full automation of this division was carried out mainly by the Lisichanskiy filial OKBA (Lisichansk Branch of OKBA) in 1958. The TV system is used to control the decanting and packing of ammonia saltpeter. It has been developed on the basis of an industrial TV system of the type ПТУ-ОМ (PTU-OM) developed by the Laboratoriya avtomatiki GIAP (Automation Laboratory of GIAP). This system was mass-produced until 1958 by the Moskovskiy televizionnyy zavod (Moscow Television Plant). The redesigned TV camera consists of the pick-up, the

Card 1/3

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

Application of Television in the Ammonia Saltpeter Division of the Lisichanskiy khimicheskiy kombinat (Lisichansk Chemical Combine)

S/064/60/000/004/013/021/XX
B013/B063

transmitting camera which is housed in a casing of stainless steel and mounted on a turntable. Four lines connect the camera with the ВПУ(VPU) TV receiver and the switchboard in the control room. The angular velocity of the turning of the camera was considered in redesigning the camera. In addition, an automatic device has been developed for the regulation of the optimum voltage on the signal electrode of the transmitter valve with respect to illumination. A photoresistor of the type ФС (FS) is used as photosensitive element. The circuit diagram of the automatic controller makes it possible to maintain the optimum voltage on the signal electrode of the transmitter valve at a ratio of 1:60 when changing illumination. The transmitter valve of the type ЛИ-23 (LI-23) has a lifetime of 500 hrs. It is therefore necessary to switch on the system only for a short time. Its long response time (1.5-2 min; optimum after 10-15 min) makes it necessary to work out detailed operating conditions. The scheme developed for the operating conditions in the packing division of LKhK has shown that it is most

Card 2/3

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

Application of Television in the Ammonia Saltpeter Division of the Lisichanskiy khimicheskiy kombinat (Lisichansk Chemical Combine)

S/064/60/000/004/013/021/XX
B013/B063

effective to have the TV set switched on for only a short time. The wear of transmitter and thermionic valves is thus reduced, and the performance of the system is improved. Illumination could be improved by means of an additional lamp of 200 w, whereby a sufficiently strong light (30-40 lux) was attained for the image reproduction. The TV system of the packing division of LKhK has been in operation since October 1958. A technical inspection in May 1959 confirmed the perfect condition of the system. The long service life of the LI-23 transmitter valve was striking. The operation time of the system was recorded by a special counter. Between October 1958 and November 1959 the system was in operation for 1500 hrs. There are 6 figures.

ASSOCIATION: GIAP (State Design and Planning Scientific Research Institute of the Nitrogen Industry)

Card 3/3

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

LUBENTSOV,V.F.; ROMBRO,S.Ya.

An electronic precision phase-meter for measuring phase differences in simusoidal voltages. Izm. tekh. no.2:20-23 Mr-Ap '55. (MIRA 8:9)

(Electronic measurements)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

Rombro, S.Ya.

AUTHOR: Frolova, P.V., Rombro, S.Ya. & Zavgorodnego, V.K. 94-2-8/27

TITLE: Measures to economise electric power in a plastics press shop. (Meropriyatiya po ekonomii elektroenergii v pressovom tsekhe po proizvodstvu izdeliy iz plastmassy.)

PERIODICAL: Promyshlennaya Energetika, 1958, Vol.13. No.2. pp.22. (USSR)

ABSTRACT: This brief note describes a suggestion of the authors' for which was awarded a fifth premium in the All-Union competition for economy of electric power. In the 'Plastmass' works at Karacharovsk the authors saved about 500,000 kWh annually by the following economy measures: switching-off electric motors whilst the press platens are stationary in the upper position; thermal insulation of the sides of press tools with sheet asbestos; automatic control of compressed air pressure; and reducing the filament voltage of h.f. valve generators during periods of no-load.

AVAILABLE: Library of Congress.

1. Electric power-Economical use

Card 1/1

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

ROM-BUGOSLAVSKAYA, Ye.S.; TUMANOVA, A.N.

Clinical variations of hemorrhagic vasculitis. Kaz.med. zhur. no.3:50-52 My-Je '63. (MIRA 16:9)

1. Terapevticheskiye otdeleniya 32-y bol'nitsy (glavnyy vrach - I.S.Yefimov) i 12-y bol'nitsy (glavnyy vrach- A.I.Kirichenko) Khar'kova.
(PURPURA (PATHOLOGY))

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

SAGAN, Zygmunt; ROMEJKO, Andrzej; RZYTKA, Jan

Distribution of blood groups in various diseases on the basis of data from clinics in Warsaw. Arch. immun. ter. dosw. 5:391-399 1957.

(UTERUS NEOPLASMS, blood in
group incidence in Polish women (Pol))
(BREAST NEOPLASMS, blood in
same)
(PEPTIC ULCER, blood in
same)
(BLOOD GROUPS, in various dis.
cancer of breast & uterus & peptic ulcer in Polish patients (Pol))

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

ROMEJKO, J.

ROMEJKO, J. Let us discuss the question of the real basis for rationalization projects in forestry. p. 25.

Vol. 29, no. 11, Nov. 1955
LAS POLSKI
AGRICULTURE
Poland

So: East European Accession, Vol. 6, No. 5, May 1957

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

PROCESSES AND PROPERTIES INDEX

C8

11f

The functional reciprocal action between the spleen and the suprarenal capsule in the animal organism. E. L. Romel. *Trudy Nauch.-Issledovatel. Inst. Fiziol. NKP* 1, 247-52; *Chem. Zentr.* 1939, I, 161.—Removal of the spleen of rabbits reduced the sensitivity to adrenaline, so that much larger doses of the latter were necessary to increase the blood pressure of the animals. Hypertrophy of the suprarenal capsule also appeared following removal of the spleen. The reduced sensitivity to adrenaline is attributed to the increase in the amt. of adrenaline in the blood. M. G. Moore

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

BABSKIY, Ye.B.;GURFINKEL', V.S.;ROMEL', G.L.

New method and certain results of investigation of vestibular motor reflex in inadequate stimulation of the vestibular apparatus in man. Vest. otorinolar., Moskva 14 no. 5:19-22 Sept-Oct 1952.
(CLML 23:3)

1. Of the Laboratory of the Physiology of Movement, Central Scientific-Research Institute for Prostheses and Prostheses Manufacture.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

BABSKIY, Ye.B.; MYASNIKOV, A.L.; GURFINKEL', V.S.; ZAMYSLOVA, K.N.; ROMEL', Ye.L.

First results of clinical application of cardiohemodynamography. Ter. arkh., Moskva 24 no.1:68-76 Jan-Feb 52. (CIML 21:4)

1. Of the Institute of Therapy (Director--Prof. A.L. Myasnikov, Active Member AMS USSR) of the Academy of Medical Sciences USSR and of the Physiological Laboratory (Head--Prof. Ye.B. Babskiy, Active Member of the Academy of Sciences Ukrainian SSR), Central Scientific-Research Institute for Prostheses.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

BABSKIY, Ye. B;GURFINKEL', V.S;ROMEL', Ye. L;YAKOBSON, Ya. S.

New method of investigation of cardiac function and respiration in man. Doklady Akad. nauk SSSR 83 no.6:952-960 21 Apr 1952. (CLML 22:2)

1. Presented by Academician A. I. Abrikosov 22 February 1952.
2. Institute of Animal Morphology imeni A. N. Severtsov.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

BABSKIY, Ye. B;VINOGRADOVA, T. S;GURFINKEL', V.S;ROMEL',
Ye. L;YAKOBSON, Ya. S.

New method of investigation on the vascular reactions in various parts of the body. Doklady Akad. nauk SSSR 84 no. 1:189-192 1 May 1952, (CLML 22:2)

1. Active Member of the Academy of Sciences Ukrainian SSR for Babskiy.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

BABSKIY, Ye.B.; GURFINKEL', V.S.; ROMEL', E.L.; YAKOBSON, Ya.S.

Capsule for electric registration of slight fluctuations in pressure. Biul.eksp.biol.i med. 37 no.2:75-77 F '54. (MLRA 7:6)

1. Iz fiziologicheskoy laboratorii (zav. deystvitel'nyy chlen AN USSR prof. Ye.B.Babskiy) TSentral'nogo nauchno-issledovatel'skogo instituta protezirovaniya i protezostroyeniya, Moskva.
(BLOOD PRESSURE,
*appar. for electric registration of small oscillations)
(PHYSIOLOGY, apparatus and instruments,
electric registration of small oscillations of pressures)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

BABSKIY, Ye. B.; GURFINKOL', V.S.; ROMEL', E.L.; YAKOBSON, Ya.S.

New method of studying the stability of man in an erect position; method of stabilography. Fiziol. zhur. 41 no.3:423-427 My-Je '55. (MLRA 8:8)

1.Iz Laboratorii fiziologii Tsentral'nogo nauchno-issledovatel'skogo instituta protezirovaniya i protezostroyeniya, Moskva.
(POSTURE,
registration of stability of man in erect position)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

ROMEL', E.L.

Electropneumatic registration of the arterial pulse for the diagnosis of endarteritis. Khirurgiia 32 no.12:66-70 D '56. (MLRA 10:2)

1. Iz laboratorii fiziologii Akademii meditsinskikh nauk SSSR pri fakul'tetskoy khirurgicheskoy klinike (dir. - deystvitel'nyy chlen AMN SSSR prof. A.N.Bakulev) II Moskovskogo meditsinskogo instituta imeni I.V.Stalina.

(ENDARTERITIS, diag.
electropneumatic registration of arterial pulse)
(PULSE
arterial, electropneumatic registration in diag. of endarteritis)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

ROMEL', E.L.

Function test in the differential diagnosis of affection of the arterial system in endarteritis [with summary in English] Eksper.khir. 1 no.4: 54-59 Jl-Ag '56 (MIRA 11:10)

1. Iz laboratorii fiziologii AMN SSSR pri fakul'tetskoi khirurgicheskoy klinike (dir. - deystvitel'nyy chlen- AMN SSSR prof. A.N. Bakulev) II Moskovskogo meditsinskogo instituta imeni I.V. Stalina.
(ENDARTERITIS OBLITERANS, differ. diag.
determ. of vasc. reasction to vasodilators (Rus))
(VASOMOTOR DRUGS, eff.
vasodilators, determ. of vasc. reaction in differ. diag. of endarteritis obliterans (Rus))

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

ROMEL', E.L. (Moskva, Bol'shaya Kaluzhskaya, d.8)

Arterial pulse in adhesive pericarditis and its change following surgery. Vest.khir. 79 no.11:128-130 N '57. (MIRA 11:3)

1. Iz laboratorii fiziologii krovoobrashcheniya i dykhaniya Instituta grudnoy khirurgii AMN SSSR (dir.-prof. A.N.Bakulev).

(PERICARDITIS, ADHESIVE, physiol
arterial pulse before & after surg. (Rus)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

ROMEL', T.E.

Imizin treatment of depressive states in oncological patients in the process of roentgen therapy. Med. rad. 8 no.3:31-34 Mr '63. (MIRA 17:9)

1. Iz kafedry rentgenologii i radiologii I Moskovskogo ordena Lenina meditsinskogo instituta imeni Sechenova i radiologicheskogo otdeleniya Moskovskoy gorodskoy bol'nitsy No.24.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

ROMEL', T.E.

Permeability of the hemato-encephalic barrier and its changes following aminazine therapy in schizophrenia [with summary in French]. Zhur.nevr. i psikh. 59 no.2:151-155 '59. (MIRA 12:4)

1. Radiologicheskaya laboratoriya (zav. - kand.med. nauk M.Ya. Mayzelis) i klinika (zav. - prof. I.G. Ravkin) Instituta psikhiatrii Ministerstva zdravookhraneniya RSFSR (dir. - prof. V.M. Branshchikov).

(CEREBROSPINAL FLUID,
blood-CSF barrier in schizophrenia, eff. of chlorpromazine ther. (Rus))
(SCHIZOPHRENIA, ther.
chlorpromazine, eff. on blood-CSF barrier (Rus))
(CHLORPROMAZINE, ther. use,
schizophrenia, eff. on blood-CSF barrier (Rus))

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

MAYZELIS, M.Ya. Prinimali uchastiye: ROMEL', T.E.; KONTSEVOY, V.A.

Penetration of radioactive phosphorus isotope into the cerebrospinal fluid in case of introduction through the mucosa of the nose in patients with schizophrenia and other mental diseases. Zhur.nevr. i psikh. 62 no.12:1863-1867 '62. (MIRA 16:11)

*

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

ROMEL', T. E., Cand. Medic. Sci. (diss) "Condition of Permeability of Hemato-encephalitic Barrier in Schizophrenia Patients," Voronezh, 1961, 17 pp. (Voronezh Med. Inst.) 200 copies (KL Supp 12-61, 288).

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

ROMEL', T.E.

Change in the permeability of the hemato-encephalic barrier and the phagocytosis of the leucocytes in schizophrenics under the influence of insulin therapy. Trudy Gos.nauch.-issl.inst.psikh. 27:238-241 '61.

1. Gosudarstvennyy nauchno-issledovatel'skiy institut psikhiatrii Ministerstva zdravookhraneniya RSFSR. Dir. - prof. V.M.Banshchikov Laboratoriya meditsinskoy radiologii. Zav. - starshiy nauchnyy sotrudnik M.Ya.Mayzelis. Klinika zatyazhnykh psikhozov. Zav. - prof. I.G.Ravkin.
(INSULIN SHOCK THERAPY) (BRAIN) (PHAGOCYTOSIS) (SCHIZOPHRENIA)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

MAYZELIS, M.Ya., kand.med.nauk; MASLOV, I.A., kand.med.nauk; ROMEL', T.E.

Permeability of the hemato-encephalic barrier and of the skin capillaries in patients with cerebrovascular diseases with mental disorders. Preliminary report. Trudy Gos. nauchno-issl. inst. psikh. 22:363-369 '60. (MIRA 15:1)

1. Laboratoriya meditsinskoy radiologii (zav. laboratoriyey - kand. med.nauk M.Ya.Mayzelis) i klinika sosudistykh psikhozov (zav. klinikoy - prof. V.M.Banshchikov) Gosudarstvennogo nauchno-issledovatel'skogo instituta psikhiatrii Ministerstva zdravookhraneniya RSFSR.
(CEREBROVASCULAR DISEASE) (CAPILLARIES--PERMEABILITY)
(MENTAL DISORDERS)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

ROMEL', T.E.

Hemophirin treatment of asthenic states developing following radiotherapy. Med.rad. 9 no.9:14-17 S '64. (MIRA 18:4)

1. Kafedra rentgenologii i radiologii (zav. - prof. L.D.Lindenbraten) I Moskovskogo ordena Lenina meditsinskogo instituta imeni Sechenova.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

LEVITANUS, A.D.; KARMAZIN, E.I.; ROMEN, A.A.

Bench testing of the frames of crawler tractors for fatigue strength. Trakt. i sel'khozmash. 33 no.3:8-11 Mr '63. (MIRA 16:11)

1. Khar'kovskiy traktornyy zavod.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

ROMEN, Yu.S., aspirant

Movement of the underframe of the rolling stock on curved track sections. Vest. TSNII MPS 23 no.6:16-20 '64. (MIRA 17:10)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

DORFMAN, Yu.I., inzh.; ROMEN, Yu.S., inzh.

Using electronic digital computers for calculating the dynamic curving-in of locomotives on curved track sections. Vest. TSNII MPS 21 no.6:52-57 '62. (MIRA 15:9)

1. Khar'kovskiy teplovozostroitel'nyy zavod imeni Malysheva.
(Locomotives—Design and construction)
(Electronic digital computers)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

YAVOYSKIY, V.I., otv. red.; BIGEYEV, A.M., red.; BORKO, Ye.A., red.; GLINKOV, M.A., red.; ZARVIN, Ye.Ya., red.; KAPUSTIN, Ye.A., red.; KOCHO, V.S., red.; KUDRIN, V.A., red.; LAPITSKIY, V.I., red.; LEVIN, S.L., red.; OYKS, G.N., red.; ROMENETS, V.A., red.; UMRIKHIN, P.V., red.; FILIPPOV, S.I., red.

[Theory and practice of the intensification of processes in converters and open-hearth furnaces; transactions] Teoriia i praktika intensifikatsii protsessov v konferterakh i martenovskikh pechakh; trudy. Moskva, Metallurgiia, 1965. 552p. (MIRA 18:10)

1. Mezhvuzovskoye nauchnoye soveshchaniye po teorii i praktike intensifikatsii protsessov v konverterakh i martenovskikh pechakh. 2. Moskovskiy institut stali i splavov (for Filippov). 3. Zhdanovskiy metallurgicheskiy institut (for Kapustin). 4. Ural'skiy politekhnicheskiy institut (for Umrikhin).

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

ROMENETS, V.A., kand.tekhn.nauk; FUNTOV, Yu.Ye., inzh.

Comparison of performance figures of 500-ton open-hearth furnaces in two plants. Stal' 22 no.9:795-796 S '62. (MIRA 15:11)

1. Moskovskiy institut stali.
(Open-hearth furnaces)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

ROMENETS, V.A.; BANNYY, N.P.; AGEYEVA, V.A.

Investigating technical and economic indices. Izv. vys. ucheb. zav.; chern. met. no.3:197-206 '61. (MIRA 14:3)

1. Moskovskiy institut stali.
(Steel, Stainless--Metallurgy)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

BR

ACCESSION NR: AP4045816 S/0148/64/000/009/0195/0201

AUTHOR: Romenets, V. A.; Afonin, V. T.; Pischikov, M. M.

TITLE: Smelting stainless steel with chromite in arc furnaces

SOURCE: IVUZ. Chernaya metallurgiya, no. 9, 1964, 195-201

TOPIC TAGS: steel, steel smelting, chromium steel, arc furnace, stainless steel, chromite, chromium steel smelting, ferrochromium

ABSTRACT: The rise in the use of stainless steel has increased the requirements for refined ferrochromium, the supply of which is limited. Therefore, chromite is currently being investigated as a source of chromium for stainless steel. It is added directly to the charge, improving metal degasification and eliminating non-metallic inclusions. In the present study, three kinds of chromite from Kazakhstan were used containing: 48.66-54.00% Cr_2O_3; 6.00-4.43% SiO_2; 14.4-11.8% MgO; 10.60-13.84% Fe_{total}; 0.021-0.008% P_2O_5; 0.040-0.077% S. The chromium in the chromite was reduced by the silicon in the silico-chromium compound, by the 45% ferrosilicon content, as well as by the aluminum in the steel scrap. The steel was melted in three ways. In the first, all the chromite was added directly to the charge. In the second, two-thirds of the chromite was added at the beginning, and one-third at the end of the process. The third method consisted of melting

Card 1/3

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

ACCESSION NR: AP4045816

low-carbon steel and high-chromium scrap, chromite and silico-chromium. Oxygen was blown through the furnace for 1 hr. 20 min. to 1 hr. 50 min. after beginning the process. Then the remaining chromite was added and oxygen was again introduced until the carbon content reached 0.12-0.18%. After this, limestone was added up to 12 kg/metric ton; and 10-15 min. later the slag was removed. According to F. P. Yedneral, the usual ratio of slag to metal is 0.14. In the described tests this figure was changed to 0.18-0.31. The best results were obtained with 17% chromite (charge weight), where the ratio did not exceed 0.22. When the chromite weight was 20% the ratio reached 0.24 and it was inexpedient to increase the quantity of chromite further. The quality of the steel produced from chromite in these tests was no worse than that produced by the usual method. The melting loss of chromium varied between 8.05 and 18.99%. When the oxygen was added right at the beginning there was a high melting loss of chromium. Thus, the oxygen should be added only when the charge is completely melted and the metal is at a high temperature. In two melts, when the oxygen was added for 10 minutes under a pressure of 9.0 atm after 90-95% of the charge was melted, the melting loss of chromium was the lowest. The duration of charging was increased by 5-10 minutes due to the use of chromite, so that the duration of the process was also increased. The furnace lining remained the same as for the usual melts when the chromite content was below 20%. The cost of steel and capital investments was lower with chromite than for the usual method. The authors conclude that use of up to 17%

Card 2/3

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

ACCESSION NR: AP4045816

chromite does not impair the technological process, nor lower the labor productivity. The use of chromite lowers the consumption of refined ferro-chromium, and the chromium is utilized much better with chromite than by the usual methods. Orig. art. has: 3 tables and 4 chemical equations.

ASSOCIATION: Moskovskiy institut stali i splavov (Moscow Institute of Steel and Alloys)

SUBMITTED: 29Feb64 ENCL: 00 SUB CODE: MM

NO REF SOV: 004 OTHER: 000

Card 3/3

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

ORLOVA, O.K.; ROMENSKAYA, Ye.P.

Method of radial paper chromatography used for the separation and identification of methylated monosaccharides. Biokhimiia 26 no.4:646-648 Jl-Ag '61. (MIRA 15:6)

1. Chair of Biochemistry, State Medical Institute, Rostov-on-Don.
(MONOSACCHARIDES)
(PAPER CHROMATOGRAPHY)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

ROMER, V.

Graininess of photographic images. Part 2: Application of the theory of stationary functions to the graininess problems. Zhur. nauch. i prikl.fot i kin. 5 no.5:380-395 S-O '60. (MIRA 13:12)
(Photography)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

ROMER, W.

29

7

Estimation of certain quality characteristics of plates for process work. Witold Romer, M. Gredka, Z. Jackiewicz, H. Pasek, and W. Piepanczyk (Inst. Tech., Wroclaw, Poland). *J. Phot. Sci.* 6, 144-52(1958).—Sensitometric criteria are proposed for measuring the "effective contrast" of photographic materials for line and halftone work. Methods of estg. the resolving power of materials in line photography and of dot quality in the halftone process are described. A dot quality coeff. is formulated. Good correlation between the contrast factor and resolution is found for material of coaventional type but no correlations for materials of the "lith"-type. A linear relation is found between the dot quality coeff. and the contrast coeff. for both conventional and lith-type materials. Latitude requirements for continuous tone copying of originals are formulated. None of the materials tested satisfy these requirements. Author

eR

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

Romer, W.

Estimation of certain quality characteristics of plates for process work. Witold Romer, M. Gredka, Z. Jackiewicz, H. Pasek, and W. Piedanczyk (Inst. Tech., Wroclaw, Poland). *J. Phot. Sci.* 6, 144-52(1958).—Sensitometric criteria are proposed for measuring the "effective contrast" of photographic materials for line and halftone work. Methods of estg. the resolving power of materials in line photography and of dot quality in the halftone process are described. A dot quality coeff. is formulated. Good correlation between the contrast factor and resolution is found for material of conventional type but no correlations for materials of the "lith"-type. A linear relation is found between the dot quality coeff. and the contrast coeff. for both conventional and lith-type materials. Latitude requirements for continuous tone copying of originals are formulated. None of the materials tested satisfy these requirements. Author

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

ZARUBIN, I.N., shofer; KONEV, B.F., inzhener; RUBETS, D.A., kandidat tekhnicheskikh nauk, retsenzent; ROMENBERG, R.V., kandidat tekhnicheskikh nauk, redaktor.

[Gasoline economy in operating motor vehicles] Ekonomiia benzina pri ekspluatatsii avtomobilia. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1952. 95 p. (MLRA 7:4)

(Automobiles--Fuel systems)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

BOMENDIK, L. M.

COUNTRY : USSR V
CATEGORY : Pharmacology and Toxicology. Ganglionic Blocking Agents
ABS. JOUR. : RZhBiol., No. 5 1959, No. 23113

AUTHOR : Homendik, L. M.
INST. : -
TITLE : Influence of Dibazol and Pentamine on the Function of Kidneys

ORIG. PUB. : Farmakol. i toksikologiya, 1958, 21, No 4, 64-68

ABSTRACT : Single injections of dibazol (D) and pentamine (P) in doses decreasing blood pressure do not substantially change spontaneous diuresis. P markedly inhibits diuresis following loading with water. A single injection of D somewhat decreases renal blood flow and glomerular filtration; P exerts no such effect. Prolonged (in terms of days) administration of D (10 mg/kg) and P (15 mg/kg) does not worsen the filtration-reabsorption function and excretory

Card: 1/2

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

COUNTRY :

CATEGORY : V

ABS. JOUR. : RZhBiol., No. 5 1959, No. 23113

AUTHOR :

INST. :

TITLE :

ORIG. PUB. :

ABSTRACT cont'd : function of the kidneys, and somewhat increases water diuresis. Renal blood flow increases noticeably under the influence of prolonged administration of D.-- From the author's summary

Card: 2/2

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

ROMENDIK, L.M.

Effect of dibazol and pentamin on renal function. Farm. i toks. 21 no.4:64-68 Jl-Ag '58 (MIRA 11:11)

1. Kafedra farmakologii (zav. - prof. A.A. Lyubushin) Orenburgskogo meditsinskogo instituta.

(PENDIOMIDE, effects,
on kidney funct (Rus))
(MUSCLE RELAXANTS, effects
dibazol on kidney funct (Rus))
(KIDNEYS, eff. of drugs on
dibazol & pendiomide (Rus))

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

ROMENDIK, L.M.

Effect of apressin on urination. Farm. i toks. 22 no.4:371-375 Jl-Ag '59. (MIRA 13:1)

1. Kafedra farmakologii (zav. - prof. A.A. Lyubishin) Chkalovskogo meditsinskogo instituta.
(HYDRALAZINE pharmacol.)
(URINATION pharmacol.)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

BARKAGAN, T.S.; ROMENDIK, L.M.

Effect of vitamin C content in the body on the physiological value of preserved blood erythrocytes. Vop. pit. 23 no.5:28-33 S-O '64. (MIRA 18:5)

1. Kafedra biokhimii (zav. - prof. I.I.Matusis) Altayskogo meditsinskogo instituta i Altayskaya krayevaya stantsiya perelivaniya krovi (dir. L.S.Posekunova), Barnaul.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

ROMENDIK, L. M.

USSR/Medicine - Pharmacophysiology FD-861

Card 1/1 Pub.30 - 12/18

Author : Romendik, L. M.

Title : The effect of potassium thiocyanate on the function of the kidneys in dogs

Periodical : Farm. i toks. 17, 42-48, Jul/Aug 54

Abstract : Experiments showed that repeated administration of large doses of potassium thiocyanate to dogs disrupts hydrodiuresis and not only decreases the spontaneous elimination of urine, but the capacity of the kidneys to eliminate superfluous liquids as well. Tests with dyes, and the high content of urea and chlorides in the urine indicate that the excretory functions of the kidneys are affected only slightly. No after-effects were observed. A single dose of potassium thiocyanate temporarily increased the elimination of a water load and dyes, and had no effect on diuresis. 12 Soviet and 3 non-Soviet references are cited. The results of the experiments are illustrated by 7 graphs and 4 tables.

Institution : Chair of Pharmacology (Head - Prof. A. A. Lyubushin) of the Chkalov Medical Institute

Submitted : --

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

ROMENDIK, L.M.

Effect of pentamine on kidney function. Khim. i med. no.15:130-135 '60. (MIRA 15:1)

1. Iz kafedra farmakologii (zav. - A.A.Lyubushin) Chkalovskogo meditsinskogo instituta.
(PENTAMINE--PHYSIOLOGICAL EFFECT) (KIDNEYS)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

ROMENETS, V.A., kand.tekhn.nauk

Relation of the effective life of an open-hearth furnace to repair schedules. Stal' 18 no.11:1038-1039 N '58. (MIRA 11:11)

1. Moskovskiy institut stali.
(Open-hearth furnaces--Maintenance and repair)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

ROMENETS, V.A.; FUNTOV, Yu.Ye.

Effect of the capacity of open hearth furnaces on their yearly output. Izv. vys. ucheb. zav.; chern. met. 7 no.12:168-172 '64 (MIRA 18:1)

1. Moskovskiy institut stali i splavov i Sibirskiy metallurgicheskiy institut.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

BANNYY, N.P.; ROMENETS, V.A.; FEDOTOV, A.A.

Methods of evaluating fuel; on the basis of gas fuel. Stal' 24 no.12:1134-1130 D '64. (MIRA 18:2)

1. Moskovskiy institut stali i splavov.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

ROMENETS, V. A.

BANNYY, N.P., kand.ekon.nauk, dots.; ROMENETS, V.A., kand.tekhn.nauk

Technical and economic efficiency of using oxygen in the open hearth process. Sbor. Inst. stali no.37:124-137 '57. (MIRA 11:3)

(Open-hearth process)
(Oxygen--Industrial applications)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

ROMENETS, V.A.; MAKAYEV, S.V.; LAPIN, N.L.

Studying indices of the rotary furnace process. Izv.vys.ucheb.zav.; chern.met. 4 no.9:191-197 '61. (MIRA 14:10)

1. Moskovskiy institut stali.
(Rotary hearth furnaces)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

ROMENETS, V.A.; KAMALOV, R.G.

Analyzing the assortment of steel produced in large electric arc furnaces. Izv. vys. ucheb. zav.; chern. met. 8 no.11:183-192 '65. (MIRA 18:11)

1. Moskovskiy institut stali i splavov.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

FEDOTOV, A.A.; BANNYY, N.P.; ROMENETS, V.A.

Technical progress and tendency toward the full use of fuel in metallurgical plants. Izv. vys. ucheb. zav.; chern. met. no.1:201-208 '64. (MIRA 17:2)

1. Moskovskiy institut stali i splavov.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

ROMENETS, V.A.; FUNTOV, Yu.Ye.

Comparative analysis of technical and economic indices of open-hearth furnace plants with 500- and 250-ton furnaces. Izv.vys. ucheb.zav.; chern.met. 5 no.11:202-208 '62. (MIRA 15:12)

1. Moskovskiy institut stali i splavov.
(Open-hearth furnaces--Cost of operation)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

FLEGONTOVA; AKATOV, S.; AKATOV, K.; ARUTYUNYAN; BAGDASAROV; PEREPELYUK; ORLIK; ROMENETS; IKHNO; VLASOV; TSIRKEL'; SYROYEZHKO.

Obligations in honor of the 22d Congress of the CPSU have been fulfilled. Masl.-zhir. prom. 27 no.11:1-3 N '61. (MIRA 15:1)

1. Zamestitel' nachal'nika ekonomicheskogo otdela Upravleniya meditsinskoy i parfyumernoy promyshlennosti Mosgorsovnarkhoza (for Flegontova). 2. Direktor Leningradskogo mylovarennogo zavoda imeni Karpova (for S.Akatov). 3. Direktor Nevskogo mylovarennogo zavoda (for K.Akatov). 4. Glavnyy inzh. Zaporozhskogo maslozhirovogo kombinata (for Arutyunyan). 5. Direktor Yerevanskogo maslozhirovogo kombinata (for Bagdasarov). 6. Direktor Ferganskogo maslozhirovogo kombinata (for Perepelyuk). 7. Glavnyy inzh. Chimkentskogo maslozhirovogo kombinata (for Orlik). 8. Direktor Kazanskogo zhirovogo kombinata (for Romenets). 9. Glavnyy inzh. Gomel'skogo zhirovogo kombinata (for Ikhno). 10. Direktor Novosibirskogo zhirovogo kombinata (for Vlasov). 11. Direktor Odesskogo masloekstraktsionnogo zavoda (for TSirkel'). 12. Direktor Vitebskogo masloekstraktsionnogo zavoda (for Syroyezhko).
(Oil industries)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

ROMENETS, V.A., kand.tekhn.nauk; FUNTOV, Yu.Ye., inzh.

Cost of steel made in a 500-ton open-hearth furnace. Stal' 23 no.4:369-371 Ap '63. (MIRA 16:4)

1. Moskovskiy institut stali i splavov.
(Open-hearth process—Costs)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

ROMENETS, V.A.; LAPIN, N.L.; MAKAYEV, S.V.

Evaluating the technical and economic indices of the rotary hearth process. Izv. vys. ucheb. zav.; chern. met. 4 no.11: 193-198 '61. (MIRA 14:12)

1. Moskovskiy institut stali.
(Rotary hearth furnaces)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

ROMENETS, V.A., kand. tekhn. nauk; FUNTOV, Yu.Ye., inzh.

Capacity of open-hearth furnaces and their economic indices.
Stal' 24 no.8:741-745 Ag '64. (MIRA 17:9)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

S/133/60/000/009/013/015
A054/A029

AUTHORS: Romenets, V.A., Candidate of Technical Sciences, Bannyy, N.P., Candidate of Economic Sciences and Ageyeva, V.A., Engineer

TITLE: The Efficiency of Using Oxygen in Electric Arc Furnaces 18

PERIODICAL: Stal', 1960, No. 9, pp. 855-860

TEXT: The application of oxygen in the electric arc furnace affects the technical-economic characteristics of the melting process. Oxygen contributes to the increase in furnace output and in melting low-carbon steels it also helps to keep down the carbon content. In order to determine the economic effects of oxygen on the capacity of the melting equipment, the direct production costs and the initial costs of using oxygen which are the main features of the useful effect of oxygen tests were carried out on 1X 18H 9T (1Kh18N9T), 18XHBA (18KhNVA) and some structural and tool steels in the Chelyabinsk and Zlatoust Metallurgical Plants, and in the "Dneprospetsstal'", in 1958. According to the records of the plants it was found that: 1) the furnace output increased for the 1Kh18N9T type steel by 22 %, for the 18KhNVA type steel by 10 %, for structural and tool steels by 5-7 %, as a result of the shorter refining time; 2) the standstills of the furnace were shortened and 3) the power supply to the furnace is

Card 1/3

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

S/133/60/000/009/013/015
A054/A029

The Efficiency of Using Oxygen in Electric Arc Furnaces

reduced, because the current is switched off while oxygen is blown through the bath. The influence of oxygen on the direct cost of production was examined by reference to workshop calculations, and it was found that a) expensive soft iron could be replaced in the charge by cheaper components: for the 1Kh18N9T and 18KhNVA steels by alloy scraps (up to 73 % and 80 %, respectively), while for structural and tool steels by carbon-containing low-phosphorus scraps; b) by using oxygen in the furnace, electric power consumption can be reduced considerably, because the melting period is shorter and the current is switched off while oxygen is blown through the bath. For instance, the saving effected by using oxygen in melting 1Kh18N9T steel amounts to 644.97 rubles/ton, whereas the additional cost of using oxygen is no more than 221.73 rubles/ton. A drawback of the process is that the amount of cinder increases: the total cinder amount of the metal 1.5-1.8 times, that of chromium 1.6 times, of iron and silicon 2.4 times. In spite of this fact the use of oxygen is justified because it makes a very economical composition of the charge and of ferro-alloys possible. The costs connected with the use of oxygen in the furnace include that of the oxygen and that of lining the pipes. The influence of oxygen on the initial costs is de-

Card 2/3

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7

S/133/60/000/009/013/015
A054/A029

The Efficiency of Using Oxygen in Electric Arc Furnaces

termined by six factors, four of which (lower power consumption, increase in output, the substitution of soft iron by scraps and the smaller consumption of ferro-alloys and nickel) are of positive character, i.e., they reduce initial costs, whereas two factors (the cost of oxygen and the increase in the amount of cinder) have a cost-raising effect. However, the influence of these negative factors is amply offset by the saving obtained by using oxygen. There are 1 table and 5 Soviet references.

Card 3/3

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445320005-7"