"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

KHOLODNYY, Nikolay Grigor'yevich; BELOKON', I.P., redaktor; ZEROV, D.K., redaktor; OKANENKO, A.S., redaktor; POGREBNYAK, P.S., redaktor; RUBENCHIK, L.I., redaktor; SHILO, V.H., redaktor izdatel'stva; SIVACHENKO, Ye.K., tekhnicheskiy redaktor

[Selected works; in three volumes] Izbrannye trudy; v trekh tomakh. Kiev, Izd-vo Akademii nauk USSR. Vol.2. [Works on the physiology of plants] Raboty po fiziologii rastenii. 1956. 388 p. (MLRA 9:11)
(Botany—Physiology)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

KHOLODNYY, Nikolay Grigor'yevich; BELOKON', I.P., redaktor; ZEROV, D.K., redaktor; OKANENKO, A.S., redaktor; POGREBNYAK, P.S., redaktor; RUBENCHIK, L.I., redaktor; NEMIROVSKIY, R.M., redaktor; SIVACHENKO, Ye.K., tekhnicheskiy redaktor.

[Selected works in three volumes] Izbrannye trudy v trekh tomakh. Kiev, Izd-vo Akademii nauk USSR. Vol.1. [Works on plant physiology] Raboty po fiziologii rastenii. 1956. 478 p. (MLRA 9:6)
(Botany--Physiology)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

OKANENKO, A.S.

Making use of the physiological and biochemical characteristics of various beet forms for increasing the sugar content of the sugar beet. Agrobiologiia no.5:3-15 '56. (MLRA 9:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sakharnoy svekly laboratorya fiziologii, Kiyev.
(Sugar beet breeding)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

OKANENKO, A. S.

USSR/Plant Physiology - Growth and Development, I-5

Abs Jour : Ref Zhur - Biol., No 5, 1958, 20000

Author : Liubinsky, N.A., Okanenko, A.S.
Inst : -
Title : A Summary of the Discussion on Phytohormones.

Orig Pub : Ukr. botanichnii zh., 1956, No 4, 13, 83-104.

Abstract : In a survey article N.A. Liubinsky and A.S. Okanenko summarised the discussion on phytohormones which was carried on in pages of the Ukrainian Botanical Journal in the period 1952-1955. The majority of the participants in the discussion condemned the negative approach to the problem of phytohormones. A detailed evaluation of their role as regulators of growth and other life processes in plants was given, and paths for further study of natural and synthetic growth agents were indicated. Vlasiuk P.A., Porutsky G.V., Chailakhian M.Kh., Matskov F. and Gupalo P.I. pointed out in letters to the editor

Card 1/2

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KHOLODNYI, Nikolay Grigor'yevich; BELOKON', I., redaktor; ZEROV, D.K., redaktor; OKANENKO, A.S., redaktor; POGREBNYAK, P.S., redaktor; RUBENCHIK, L.I., redaktor; SHILO, V.N., redaktor izdatel'stva; SIVACHENKO, Ye.K., tekhnicheskiy redaktor

[Selected works; in three volumes] Izbrannye trudy; v trekh tomakh. Kiev, Izd-vo Akad.nauk USSR. Vol.3 [Works on microbiology and plant ecology] Raboty po mikrobiologii i ekologii rastenii. 1957. (MLRA 10:7)
525 p.
(Microbiology) (Botany--Ecology)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

I

USSR / Plant Physiology. Mineral Nutrition.

Abs Jour: Ref Zhur-Biol., No 2, 1959, 5985.

Author : Maksimovich, A. Ye.; Okanenko, A. S.; Bakhir, A. I.

Inst : AS USSR.

Title : Some Mechanisms in the Storage of Root Nutritional Elements in Sugar Beets.

Orig Pub: V sb.: Pamyati akad. N. A. Maksimova, M., AN SSSR, 1957, 257-267.

Abstract: Sugar beets were grown in Kiev under conditions of soil cultures, as a vegetation experiment, and under field conditions. In experiments where N was applied in the form of NO_3, in the first vegetation phases and in the period of intensive growth, the ratio of the sum of cation milliequivalents to the sum of N, P, S, and Cl milli-

Card 1/2

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

USSR/Cultivated Plants - Commercial. Oil-Bearing. Sugar-Bearing. M-5

Abs Jour : Ref Zhur - Biol., No 7, 1958, 29937

Author : Maksimovich, A.Ye., Bakhir, A.I., Okanenko, A.S.

Inst : The All-Union Scientific Research Institute for the Sugar Beet.

Title : Sugar Beet Saccharinity in Regard to the Steeping of Root Tissues.

Orig Pub : Fiziol. rasteniy, 1957, 4, No 2, 192-198 (resume in Eng.)

Abstract : This study was made at the All-Union Scientific Research Institute for the Sugar Beet in 1949-1953 in raising sugar beets fo varieties tending toward sugary and productive forms in vegetative tests as well as under field conditions in Kiyevskaya, Voronezhskaya, Vinnitskaya and Cherkasskaya oblasts. With the usual sugar content in the beet of 16-21% in crude weight its dry matter root

Card 1/2

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

OKANENKO, A.S.

USSR/General Problems. Methodology. History. Scientific Institutions and Conferences. Teaching. Problems of Bibliography and Scientific Documentation. A

Abs Jour : Ref Zhur-Khimiya, No 6, 1958, 16687

Author : Lyubinskiy M. A., Okanenko A. S.
Inst : Not given
Title : Development of the Physiology and Biochemistry of Plants in the Ukraine in Forty Years (1917-1957).

Orig Pub : Ukr. botanichniy zh., 1957, 14, No 3, 42-52

Abstract : No abstract

Card 1/1

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

OKANENKO, A.S.; BERSHTEYN, B.I.

Studying the biochemical characteristics of potato varieties susceptible and resistant to Synchytrium endobioticum. Biokhim. pl. i ovoshch. no.4:118-142 '58. (MIRA 11:10)

1. Institut fiziologii rasteniy i agrokhimii AN USSR.
(Potato wart)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

OKANENKO, A.S.; BERSHTEYN, B.I.; POCHINOK, Kh.N.; GAMAYUNOVA, M.S.

Characteristics of biochemical processes occurring during "Gothic" degeneration of potatoes. Biokhim. pl. i ovoshch. no.4:164-182 '58. (MIRA 11:10)

1. Institut fiziologii rasteniy i agrokhimii AN USSR.
(Potatoes--Diseases and pests)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

AUTHORS: Bershteyn, B. I., Pomynk, M. K., SOV/ 20-120-2-58/63
Okanenko, A. S.

TITLE: The Influence of the Degeneration of the Type "Gothic" (Spindle-Tuber) on the Amino Acid Content in Potato Tubers (Vliyaniye vyrozhdeniya tipa gotiki na soderzhaniye aminokislot v klubnyakh kartofelya.)

PERIODICAL: Doklady Akademii Nauk SSSR, 1958, Vol. 120, Nr 2, pp. 425-428 (USSR)

ABSTRACT: Among the processes that accompany the degeneration of potatoes, the derangement of the nitrogen-metabolism is the most characteristic one. It was proved in several works (references 1,2) that in the case of an affection with "gothic", a double amount of non-protein is contained in the potato tubers, especially of amino nitrogen as compared to the healthy ones. Essential differences concerning protein-nitrogen were not reported. Table 1 shows data on the mentioned nitrogen-contents. These data show that independently from the origin of the gothic degeneration (whether caused by different forms of nutrition or by artificial affection), analogous derangements of the nitrogen-metabolism are caused

Card 1/4

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

The Influence of the Degeneration of the Type "Gothic" (Spindle-Tuber) on the Amino Acid Content in Potato Tubers

SOV/ 20-120-2-58/65

with different types of potatoes. Table 1 shows a considerable increase of amino-nitrogen in the tubers, in the case of an affection by "gothic". In order to clarify variations in the existence of the free amino acids, healthy and diseased tubers were investigated by means of two-dimensional distribution-chromatography. Furthermore the existence of amino acids of the protein hydrolyzate was determined. The main part of the proteins and of the free amino acids is concentrated in the juice of the tubers (references 3-5). In the 70° ethanol extract no differences could be proved, but the chromatograms of the amino acids in the juice were more distinct. The methodology of determination is described. Table 2 and figure 1 show the results. On table 2 we can see that the juice of the degenerated tubers contains 17 amino acids (among them 2 amides), whereas in the juice of healthy tubers there are only 12 amino acids. In the degenerated tubers there is 2 to 3 times more asparagine, glutamine of

Card 2/4

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

The Influence of the Degeneration of the Type "Gothic" (Spindle-Tuber) on the Amino Acid Content in Potato Tubers

the group: Methionine + valine + tryptophane and of the leucine group, but less cystein, glutamine acid and asparagine acid than in healthy ones. In the latter ones no α- alanine, α- and γ-amino butyric acid, proline and tyrosine were determined. The amount of amino nitrogen is the same in the proteins of diseased and healthy tubers. After the separation of the protein hydrolyzate by means of chromatography, in the proteins of both, healthy and degenerated tubers, 15 amino acids were determined. Comparing the data of Mul'der and Bakema (Mulder and Bakema), (reference 5) with the results obtained by the authors, one can recognize that a surplus nitrogen-nutrition changes the nitrogen-metabolism in the same direction as the gothic disease. A surplus of potassium and phosphorus acts in a contrary direction. The too extensive nitrogen nutrition increases the susceptibility to gothic, whereas potassium and phosphorus increase the resistance against it (references 7-9). There are 2 figures, 2 tables, and 12 references, 8 of which are Soviet.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

The Influence of the Degeneration of the Type "Gothic" (Spindle-Tuber) on the Amino Acid Content in Potato Tubers SOV/20-120-2-58/63

ASSOCIATION: Ukrainskiy nauchno-issledovatel'skiy institut fiziologii rasteniy (Ukrainian Scientific Research Institute for Plant-Physiology)

PRESENTED: December 20, 1957, by A. L. Kursanov, Member, Academy of Sciences, USSR

SUBMITTED: March 30, 1957

1. Potatoes--Pathology 2. Potatoes--Chromatographic analysis
3. Amino acids--Determination

Card 4/4

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

SHVERTSEL', T.V.; OKANENKO, A.S.

Role of leaves in the accumulation of sugars and the formation of anatomical characteristics in sugar beet roots. Fiziol. rast. 8 no.2:145-152 '60. (MIRA 14:3)

1. All-Union Sugar beet scientific research institute, Kiev.
(Leaves) (Sugar beets) (Roots(Botany))—Anatomy)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

ORLOVSKIY, N.I. [Orlovs'kyi M.I.]; FILATOVA, T.A.; OKANENKO, A.S.; GOMOLYAKO, S.Ye. [Homoliako, S.IE.]

Professor Aleksandr Aleksandrovich Tabentskii; on his 70th birthday and 50th anniversary of his scientific activities. Ukr. bot. zhur. 17 no.5:113-114 '60. (MIRA 13:12)
(Tabentskii, Aleksandr Aleksandrovich)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

OKANENKO, A.S.; BERESHTEYN, B.I.

Proteins of wart excrescences in potatoes infected with Synchytrium endobioticum. Dokl. AN SSSR 134 no.3:727-730 S '60. (MIRA 13:9)

1. Ukrainskiy nauchno-issledovatel'skiy institut fiziologii rasteniy
Predstavleno akad. A.I. Oparinym.
(Potato wart) (Oxidases)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

BERSHTEYN, B.I.; LEONT'YEVA, Yu.A.; OKANENKO, A.S.

Effect of different types of degeneration on the amino acid content of potato tubers. Dokl. AN SSSR 134 no.4:976-979 O '60. (MIRA 13:9)

1. Ukrainskiy nauchno-issledovatel'skiy institut fiziologii rasteniy. Predstavleno akademikom A.I. Oparinym.
(POTATOES--DISEASES AND PESTS)
(AMINO ACIDS)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

OKANENKO, A. S., BATYUK, V.P., GRODZINSKIY, D. M., (USSR)

"Respiration in the Leaves of Sugar Beet in Daylight Concurrent with Photosynthesis."

Report presented at the 5th Int'l. Biochemistry Congress, Moscow, 10-16 Aug 1961.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

OKANENKO, A. S., BERSHTEYN, B. I., and PEYNGARD, T. A. (USSR)

"The Proteins and Nucleic Acids of the Cancerous Warts in Potatoes Infected with Synchitrium endobioticum."

Report presented at the 5th International Biochemistry Congress, Moscow, 10-16 Aug 1961

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

OKANENKO, A.S.; REYNGARD, T.A.; BERSHTEYN, B.I.; OSTAPLYUK, A.N.

Biochemical characteristics of normal and degenerated potatoes. Biokhim.pl.i ovoshch. no.7:85-95 '62. (MIRA 16:1)

1. Ukrainskiy nauchno-issledovatel'skiy institut fiziologii rasteniy.

(Potatoes—Diseases and pests)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

OKANENKO, A., doktor biolog. nauk, prof.

Origin of life on earth. Nauka i zhyttia 12 no.10:28-30 O '62. (MIRA 16:1)

1. Zaveduyushchiy laboratoriyey fotosinteza Instituta fiziologii rasteniy AN UkrSSR.

(Photosynthesis)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

VLASYUK, P.A., akademik, otv. red.; MANORIK, A.V.[Manoryk, A.V.], kand. biol. nauk, red.; OKANENKO, A.S., doktor biol. nauk, red.; OSTROVSKAYA, L.K.[Ostrovs'ka, L.K.], doktor biol. nauk, red.; KALININ, F.L., doktor biol. nauk, red.; PROTSENKO, D.P., prof., red.; KAPITANCHUK, V.A., nauchn. sotr., red.; BLANINA, L.F., red.; LAPCHENKO, K.P., tekhn. red.

[Physiological and biochemical principles underlying increase in the productivity of plants] Fiziologo-biokhimichni osnovy pidvyshchennia produktyvnosti roslyn; pratsi. Kyiv, Derzhsil'hospvydav URSR, 1963. 458 p. (MIRA 16:10)

1. Ukrains'ka Respublikans'ka naukova konferentsiia molodykh uchenykh v haluzi fiziologii roslyn, 1st, 1962.
2. Akademiya nauk Ukr.SSR i Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I.Lenina (for Vlasyuk).
(Plant physiology) (Plants, Cultivated)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

ORLOVSKIY, N.I.; OKANENKO, A.S.

Professor Aleksandr Aleksandrovich Tabentskii, 1869-1964; obituary.
Fiziol. rast. 11 no.6:1115-1116 N-D '64. (MIRA 18:2)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

ORLOVSKIY, N.N. [Orlovs'kyi, M.I.]; OKANENKO, A.S.

Oleksandr Oleksandrovych Tabenta'kyi, 1890-1962. Ukr. bot. zhur. 21 no.6:93-94 '64. (MIRA 18:2)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

OKANENKO, Arkadiy Semenovich; KURSANOV, A.L., akademik, otv. red.; MATVEYENKO, T.A., red.

[Physiology of sugar beets and breeding problems] Fiziologiia sakharnoi svekly i voprosy selektsii. Moskva, Nauka, 1965. 74 p. (Timiriazevskie chteniia, no.24) (MIRA 18:8)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

OKARENKO, A.S., doktor biol. nauk, otv. red.; KUZNETSOVA, A.S., red.

[Photosynthesis and pigments as factors affecting crops] Fotosintez i pigmenty kak faktory urozhaia. Kiev, Naukova dumka, 1965. 186 p. (MIRA 18:9)

1. Akademiya nauk URSR, Kiev.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

OSTROVSKAYA, L.K., doktor biol. nauk, otv. red.; VLASYUK, P.A., akademik, red.; MANORIK, A.V., kand. biol. nauk, red.; KALININ, F.L., doktor biol. nauk, red.; OKANENKO, A.S., doktor biol. nauk, red.; PROTSENKO, D.F., doktor biol. nauk, red.; SIROCHENKO, I.A., doktor biol. nauk, red.; KAPITANCHUK, V.A., red.; MAKAROVA, G.M., red.

[Complexons as a means against lime-induced chlorosis of plants] Kompleksony kak sredstvo protiv izvestkovogo khloroza rastenii. Kiev, Naukova dumka, 1965. 194 p. (MIRA 18:7)

1. Institut fiziologii rastenii AN Ukr.SSR (for Ostrovskaya). 2. AN Ukr.SSR (for Vlasyuk).

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

VLASYUK, P.A., akademik, otv. red.; OKANENKO, A.S., doktor biol. nauk, red.; MANORIK, A.V., kand. biol. nauk, red.; KALININ, F.L., doktor biol. nauk, red.; PROTSENKO, D.F., doktor biol. nauk, red.; SIROCHENKO, I.A., doktor sel'khoz. nauk, red.; KAPITANCHUK, V.A., red.; ANDRIYCHUK, M.D. red.

[Photosynthesis and crop yields] Fotosintez i produktivnost' rastenii. Kiev, Naukova dumka, 1965. 280 p. (MIRA 18:6)

1. Akademiya nauk URSR, Kiev. Instytut fiziologii roslyn ta agrokhimii.

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26488
S/125/61/000/009/013/014
D040/D113

1.8000

AUTHORS: Okara, V.G.; Fedoruk, V.M.; Shataylo, D.V.

TITLE: Experience in using an Eu-152/154 radioactive isotope for controlling the quality of the welds

PERIODICAL: Avtomaticheskaya svarka, no. 9, 1961, 85-88

TEXT: Information is presented on weld inspection techniques employed at the Zavod metallokonstruktsiy im. Babushkina (Metal Structures Plant im. Babushkin) in Dnepropetrovsk. The plant is producing steelwork structures as well as machinery structures, steel ladles, and blast furnace casings. Formerly used Co^{60} in РУП-1 (RUP-1) X-ray apparatus has been replaced by Eu-152/154 which produces better pictures and has soft radiation. A new work container for Eu-152/154 has been developed lately, designed for work with europium of 1 g-equiv activity of radium. The apparatus consists of a spherical lead container, a support, and a folding tripod. The protection container of the apparatus permits work with radioactive europium of up to 1 g-equiv as well as with cobalt of 0.5 g-equiv. The container is shown in

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D040/D113

Experience in using ....

a diagram (Fig.3) where (1) is its spherical brass casing 180 mm in diameter, filled with lead, and (2) is the removable part containing the radioactive isotope (3) that is placed in a shell (4). The removable part rotates on ball bearings about its axis and is driven by a worm gear drive (5) actuated by a handle through a 2-m-long flexible shaft. Irradiation is only possible through the conical window (7) with an 80° opening. The radioactive preparation is moved into the center of the ball (as shown by dotted lines) for the time of transportation and storage so as to keep it enclosed in lead. Irradiation is possible also from the transport carriage. A special carriage (seen in photograph) has been built for welds inspection in large gas container shells. The carriage is standing on rails, and the container is rotated past it on a roller stand. A small protective casing from a different apparatus has to be used instead of the big new in spots not accessible for large casing, and a special lead cover is then placed over the small protective casing. The new apparatus is safe for operators and handy. There are 4 figures.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

26488
S/125/61/000/009/013/014
D040/D113

Experience in using ....

ASSOCIATION: Dnepropetrovskiy zavod metallokonstruktsiy im.Babushkina (Dnepropetrovsk Metal Structures Plant im.Babushkin)

SUBMITTED: April 20, 1961

Card 3/4

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

LEBED', D.P., kand.tekhn.nauk; OKARA, V.G., inzh.

Automatization and mechanization of welding operations at the Petrushkin Metalwork Plant in Dnepropetrovsk. Svar. proizv. no.10:3-6 O '61. (MIRA 14:9)
(Dnepropetrovsk—Metalwork—Welding)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

OKARA, V.G.; CHEPUR, A.Ye.

Continuous line for the production of wide-flange I-beams. Biul.tekh.-ekon.inform. no.12:3-5 '61. (MIRA 14:12)
(Rolling mills)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

LEBED', D., kand.tekhn.nauk; OKARA, V.G.

Introduction of advanced welding techniques. Prom. stroi. i inzh. soor. 4 no.3:9-12 My-Je '62. (MIRA 15:7)

1. Direktor zavoda imeni Babushkina (for Lebed'). 2. Glavnyy svarshchik zavoda imeni Babushkina (for Okara).
(Welding)

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LEBED', D.P.; OKARA, V.G.

Specialized assembling and welding area for the manufacture of gas holders. Avtom. svar. 15 no.1:73-76 Ja '62. (MIRA 14:12)

1. Ordena Trudovogo Krasnogo Znameni Dnepropetrovskiy zavod metallokonstruktsiy imeni Babushkina.
(Gas holders—Welding)

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LEBED', D.P.; VOROB'YEV, V.M.; SIDORUK, V.S.; OKARA, V.G.

Automatic square-butt welding of metal having a thickness of 40mm using a flux padding and a DTS-24 welding tractor. Avtom. svar. 15 no.9:79-81 S '62. (MIRA 15:9)

1. Dnepropetrovskiy ordena Trudovogo Krasnogo Znameni zavod metallokonstruktsiy im. Babushkina.
(Plates, Iron and steel--Welding)
(Electric welding--Equipment and supplies)

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LEBED', D.P.; OKARA, V.G.

Manufacture of welded steel-pouring ladles. Avtom. svar. 16 no.7:78-83 Jl '63. (MIRA 16:8)

1. Dnepropetrovskiy zavod metallokonstruktsiy im. Babushkina.
(Smelting—Equipment and supplies)
(Plates, Iron and steel—Welding)

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LEBED', D.P.; VOROB'YEV, V.M.; OKARA, V.G.; SIDORUK, V.S.

Semiautomatic welding with powder wire. Avtom. svar. 18 no.8:54-55 Ag '65. (MIRA 18:11)

1. Dnepropetrovskiy zavod imeni Babushkina.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

OKARMUS, W.

"Predecessor of the Mucha 100 Glider was the Kite." (To be Contd.) P. 501. (SKRZYDLATA POLSKA, Vol. 10, No. 32, Aug. 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 1, Jan. 1955 Uncl.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

OKARMUS, W.

"Predecessor of the Mucha 100 Glider was the kite," (Conclusion), P. 517. (SKRZYDLATA POLSKA, Vol. 10, No. 33, Aug. 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 1, Jan. 1955 Uncl.

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YEVSTIGNEYEVA, R.P.; GLYBINA, V.A.; OKART, Ye.V.; PREOBRAZHENSKIY, N.A.

Claisen condensation of esters of β-methyllevulinic acid.
Zhur.ob.khim. 30 no.7:2261-2263 Jl '60. (MIRA 13:7)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii.
(Levulinic acid)

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GLYBINA, V.A.; OKART, Ya.Y.; YEVSTIGNEYEVA, R.P.; PREOBRAZHENSKIY, N.A.

Synthesis of esters of 3,8,13-trimethyl-4,6,9,11,14-pentaketo-pentadecanoic and 2,8,13,18-tetramethyl-4,6,9,11,14,16,19-heptaketoeicosanoic acids. Zhur.ob.khim. 30 no.8:2536-2539 Ag '60. (MIRA 13:8)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii.
(Pentadecanoic acid)
(Eicosanoic acid)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

OKASJYRAM W,

OKASJYRAM W, The West European chemical industry, some developmental trends and achievements. 9(to be cont.) p. 310

Vol 9, no. 11, Nov. 1956
ACTA PHYSICOLOGICA POLONICA
SCIENCE
Waraszasa, Poland

So: East European Accession vol 6, no. 3, March 1957

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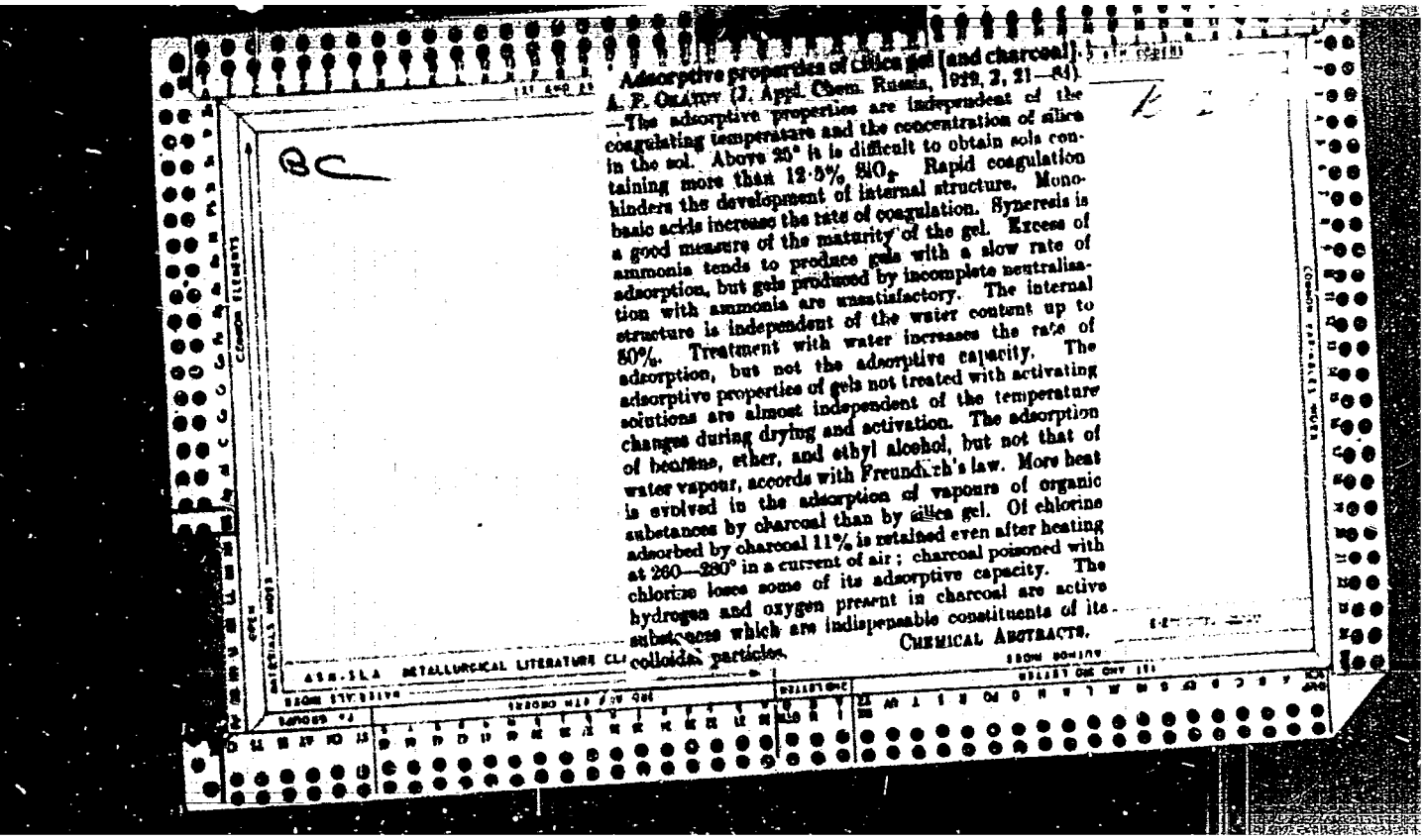

Adsorptive properties of silica gel [and charcoal].
A. P. Okapov (J. Appl. Chem. Russia, 1929, 2, 21—84).
—The adsorptive properties are independent of the coagulating temperature and the concentration of silica in the sol. Above 25° it is difficult to obtain sols containing more than 12·5% SiO_2. Rapid coagulation hinders the development of internal structure. Monobasic acids increase the rate of coagulation. Syneresis is a good measure of the maturity of the gel. Excess of ammonia tends to produce gels with a slow rate of adsorption, but gels produced by incomplete neutralisation with ammonia are unsatisfactory. The internal structure is independent of the water content up to 80%. Treatment with water increases the rate of adsorption, but not the adsorptive capacity. The adsorptive properties of gels not treated with activating solutions are almost independent of the temperature changes during drying and activation. The adsorption of benzene, ether, and ethyl alcohol, but not that of water vapour, accords with Freundlich's law. More heat is evolved in the adsorption of vapours of organic substances by charcoal than by silica gel. Of chlorine adsorbed by charcoal 11% is retained even after heating at 260—280° in a current of air; charcoal poisoned with chlorine loses some of its adsorptive capacity. The hydrogen and oxygen present in charcoal are active substances which are indispensable constituents of its colloidal particles.

CHEMICAL ABSTRACTS.

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1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

3RD AND 4TH ORDERS

B C

A-1

Adsorption of nitrogen peroxide by colloidal silicic acid. A. V. Sapozhnikov, A. E. Okarin, and M. A. Subanov (J. Russ. Phys. Chem. Soc., 1929, 61, 1333—1350).—Colloidal silicic acid is a satisfactory adsorbent for nitrogen peroxide; the degree of adsorption [illegible] adsorbent and with the [illegible] velocity of [illegible] isotherm at 0° is flattened by reducing the rate of flow of gas from 500 to 100 c.c./min. The process of adsorption proceeds according to the Freundlich equation. About 95—99% of the adsorbed nitrogen can be recovered. The recovery of oxides of nitrogen from moist air can be affected by the use of silica gel. R. TRUSZKOWSKI.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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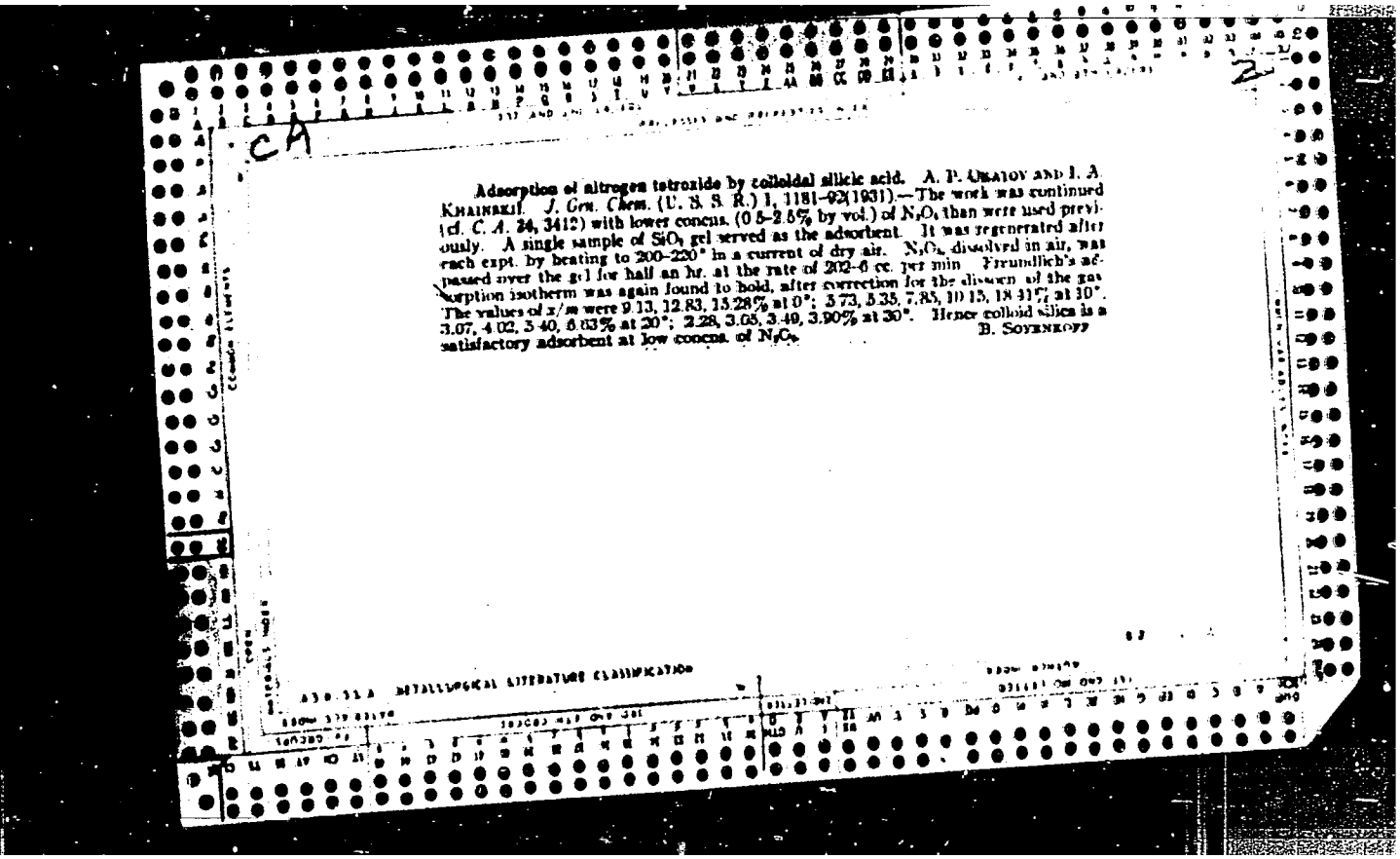

CA

Adsorption of nitrogen tetroxide by colloidal silicic acid. A. P. Ukalov and I. A. Khainskii. *J. Gen. Chem.* (U. S. S. R.) 1, 1181–92(1931).—The work was continued (cf. *C. A.* 24, 3412) with lower concns. (0.5–2.5% by vol.) of N_2O_4 than were used previously. A single sample of SiO_2 gel served as the adsorbent. It was regenerated after each expt. by heating to 200–220° in a current of dry air. N_2O_4, dissolved in air, was passed over the gel for half an hr. at the rate of 202–6 cc. per min. Freundlich's adsorption isotherm was again found to hold, after correction for the dissocn. of the gas. The values of x/m were 9.13, 12.83, 15.28% at 0°; 3.73, 5.35, 7.85, 10.15, 18.41% at 10°. 3.07, 4.02, 5.40, 6.63% at 20°; 2.28, 3.05, 3.49, 3.90% at 30°. Hence colloid silica is a satisfactory adsorbent at low concns. of N_2O_4.

B. Soyenkoff

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PROCESSES AND PROPERTIES INDEX

CA

Technical developments in the field of recovery of vapors of volatile solvents abroad and in the U. S. S. R. A. P. Okatov. *Trans. VI Mendeleev Congr.* 1932 2, 1, 237-45(1935).—A progress report. B. R. Stelanowsky

METALLURGICAL LITERATURE CLASSIFICATION

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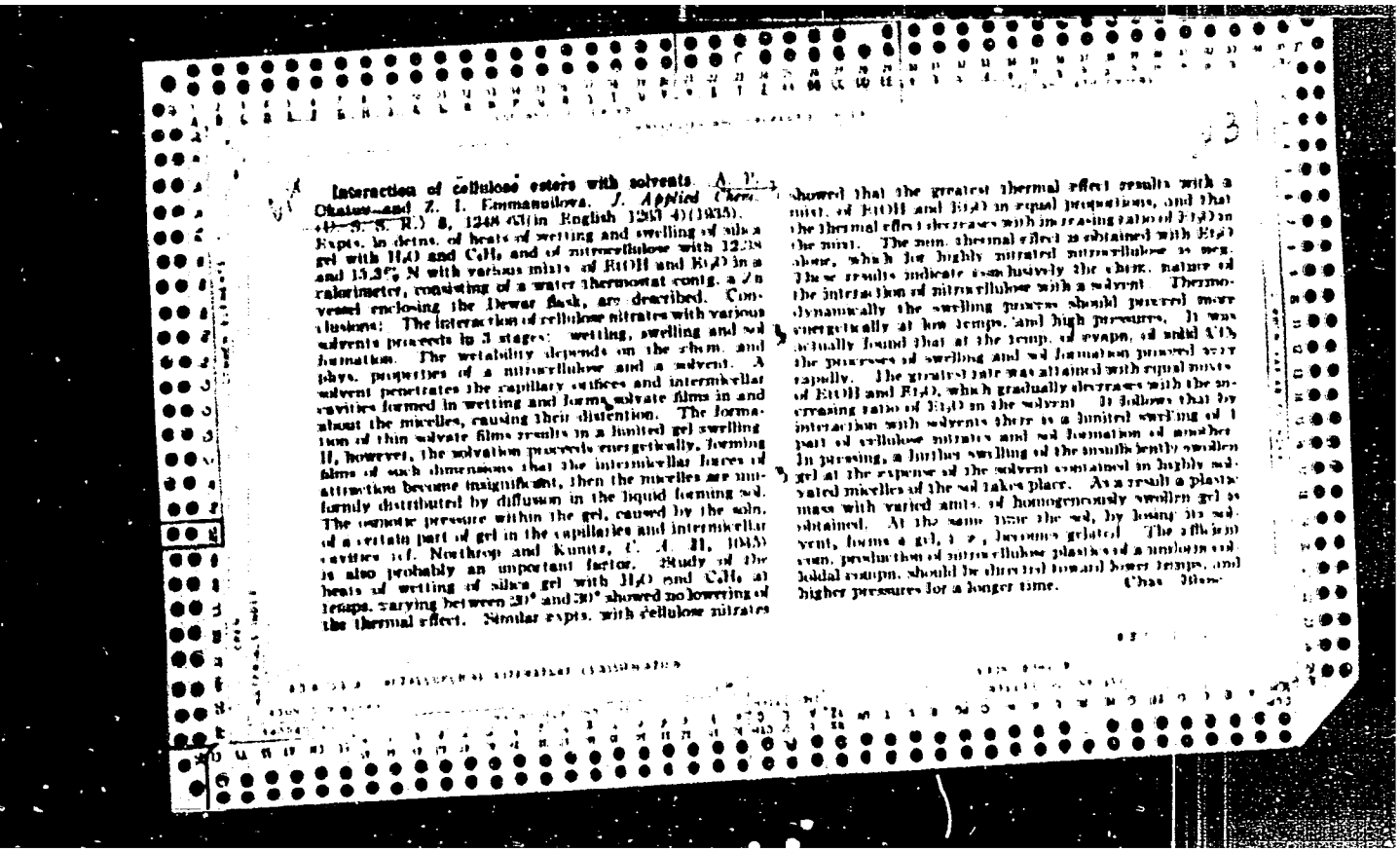

Interaction of cellulose esters with solvents. A. P. Chaius and Z. I. Emmanuilova. *J. Applied Chem. (U.S.S.R.)* 8, 1248-63 (in English 1263-4) (1935). Expts. in detns. of heats of wetting and swelling of silica gel with H_2O and C_6H_6 and of nitrocellulose with 12.2% and 13.3% N with various mixts. of EtOH and H_2O in a calorimeter, consisting of a water thermostat contg. a Dewar vessel enclosing the Dewar flask, are described. Conclusions: The interaction of cellulose nitrates with various solvents proceeds in 3 stages: wetting, swelling and sol formation. The wetability depends on the chem. and phys. properties of a nitrocellulose and a solvent. A solvent penetrates the capillary orifices and intermicellar cavities formed in wetting and forms solvate films in and about the micelles, causing their distention. The formation of thin solvate films results in a limited gel swelling. If, however, the solvation proceeds energetically, forming films of such dimensions that the intermicellar forces of attraction become insignificant, then the micelles are uniformly distributed by diffusion in the liquid forming sol. The osmotic pressure within the gel, caused by the solv. of a certain part of gel in the capillaries and intermicellar cavities (cf. Northrop and Kunitz, *C. A.* **31**, 1045) is also probably an important factor. Study of the heats of wetting of silica gel with H_2O and C_6H_6 at temps. varying between 25° and 30° showed no lowering of the thermal effect. Similar expts. with cellulose nitrates showed that the greatest thermal effect results with a mixt. of EtOH and H_2O in equal proportions, and that the thermal effect decreases with increasing ratio of H_2O in the mixt. The min. thermal effect is obtained with EtOH alone, which for highly nitrated nitrocellulose is zero. These results indicate emphatically the chem. nature of the interaction of nitrocellulose with a solvent. Thermodynamically the swelling process should proceed most energetically at low temps. and high pressures. It was actually found that at the temp. of evapn. of solid CO_2 the processes of swelling and sol formation proceed very rapidly. The greatest rate was attained with equal mixts. of EtOH and H_2O, which gradually decreases with the increasing ratio of H_2O in the solvent. It follows that by interaction with solvents there is a limited swelling of 1 part of cellulose nitrate and sol formation of another. In pressing, a further swelling of the insoluble gel occurs at the expense of the solvent contained in highly solvated micelles of the sol takes place. As a result a plastic mass with varied amts. of homogeneously swollen gel is obtained. At the same time the sol, by losing its solvent, forms a gel, i. e., becomes gelatel. The efficiency, i. e., production of nitrocellulose plastics and a uniform colloidal structure, should be directed toward lower temps. and higher pressures for a longer time. Chas. Blanc

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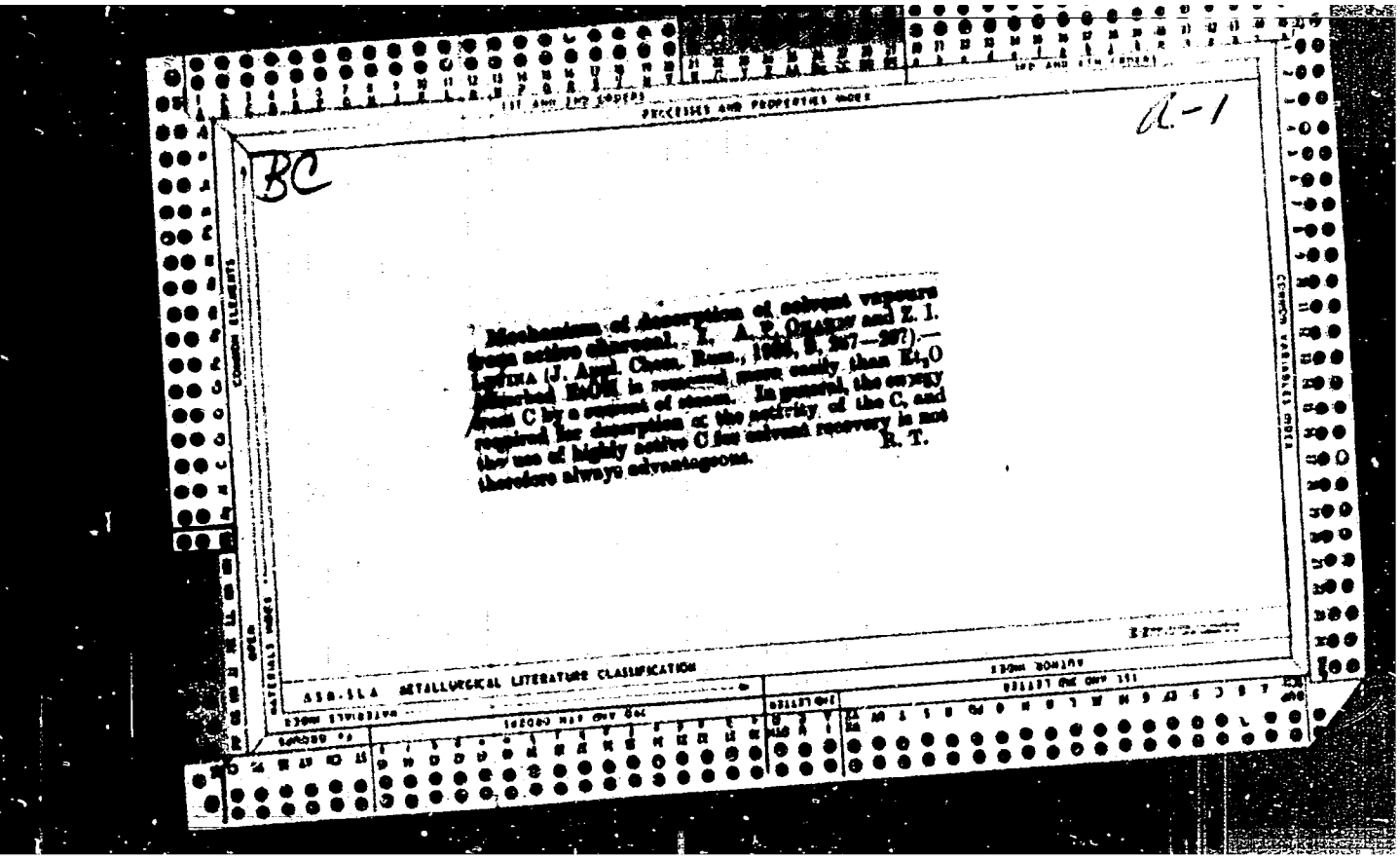

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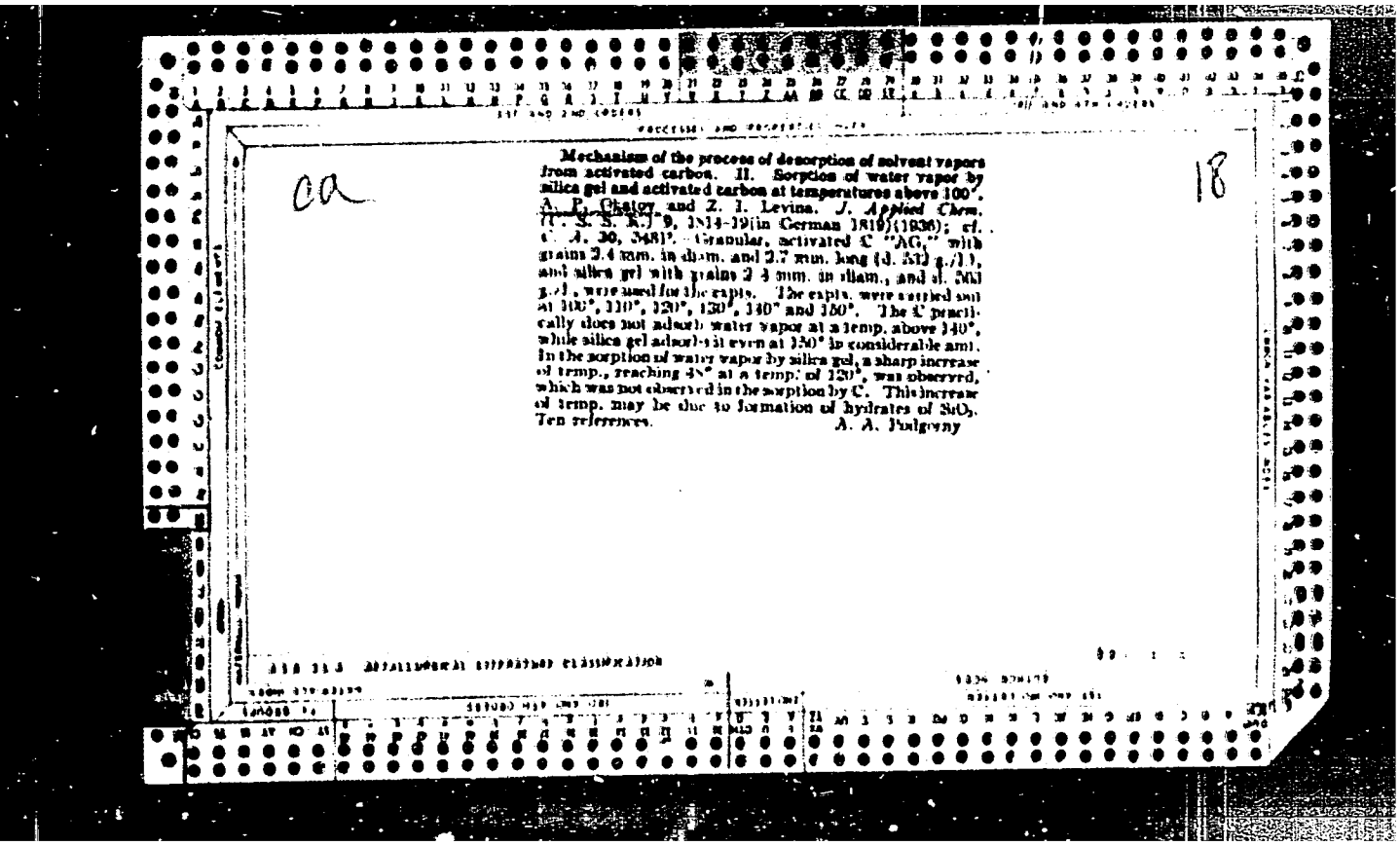

Mechanism of the process of desorption of solvent vapors from activated carbon. II. Sorption of water vapor by silica gel and activated carbon at temperatures above 100°. A. P. Chaicy and Z. I. Levina. *J. Applied Chem. (U. S. S. R.)* 9, 1814-19(in German 1819)(1936); cf. C. A. 30, 3481⁹. Granular, activated C "AG," with grains 3.4 mm. in diam. and 2.7 mm. long (d. 512 g./l.), and silica gel with grains 2-3 mm. in diam., and sl. 500 g./l., were used for the expts. The expts. were carried out at 100°, 110°, 120°, 130°, 140° and 150°. The C practically does not adsorb water vapor at a temp. above 140°, while silica gel adsorbs it even at 150° in considerable amt. In the sorption of water vapor by silica gel, a sharp increase of temp., reaching 48° at a temp. of 120°, was observed, which was not observed in the sorption by C. This increase of temp. may be due to formation of hydrates of SiO_2. Ten references. A. A. Balgeny

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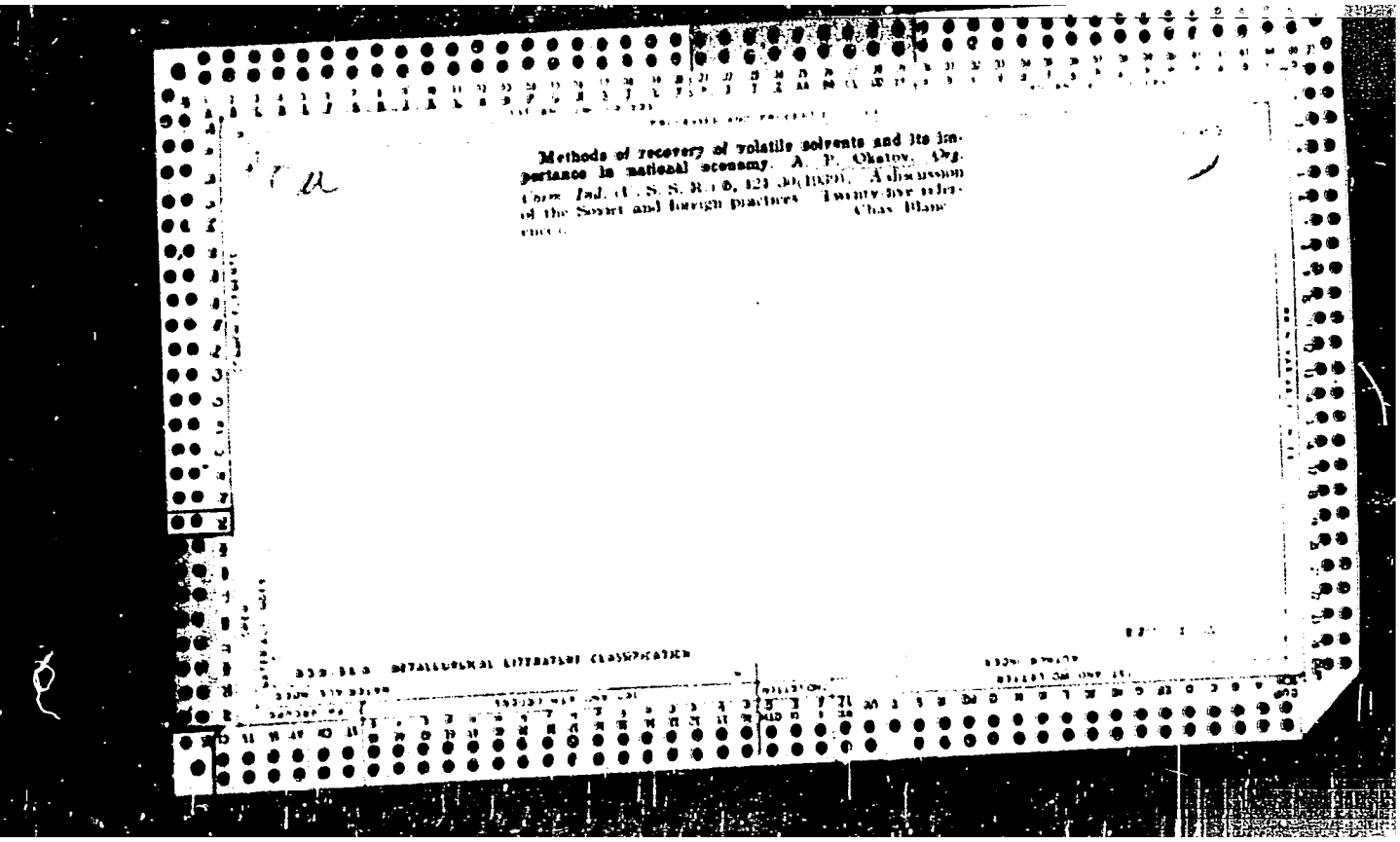

Methods of recovery of volatile solvents and its importance in national economy. A. P. Okatov. Org. Chem. Ind. (U. S. S. R.) 6, 423-30(1939). A discussion of the Soviet and foreign practices. Twenty-five references. Chas. Blanc

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CA

PROCESSES AND PROPERTIES INDEX

2

Struggle about the priority of the discovery of the periodic law. A. P. Okatov. *Uspekhi Khim.* 14, 437-33 (1945). G. G.

A10-11A METALLURGICAL LITERATURE CLASSIFICATION

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PROCESSES AND PROPERTIES INDEX

The control of cathodic anodic processes. A. J. Ikatov (Leningrad Mint. Electrotech. Acad.). *J. Gen. Chem.* (U.S.S.R.) 16, 379-93 (1946). O. discusses his concept of electrochem. processes, which can be summarized as follows: All chem. processes proceeding with formation and discharge of ions are cathode-anode processes; of all possible processes in a given system only those actually take place which provide for the most pos. value of the work of discharge or of the work of formation of a mole of the product; the work of cathode processes is taken as pos., that of anodic processes as neg. The process as a whole proceeds spontaneously only if its work is pos. (E is greater than 0). The conclusions drawn from this concept are: compds. of univalent Cu can exist only in the dry state or as complex compds.; the ion of univalent Cu is Cu_2^{++}; ions of univalent Au are Au_2^{++}; gold halides of univalent Au can exist in aq. solns. only in insignificant concns., while among the trivalent Au halides only $AuCl_3$ is stable in aq. soln.; the ion of univalent Hg is Hg_2^{++}; oxidizing agents are substances which have the max. value of work of reduction among all other possible cathode processes in the system; reducing substances are materials, the max. work of oxidation of which is most pos. among all the possible anode processes in the system.

G. M. Kosolapoff

METALLURGICAL LITERATURE CLASSIFICATION

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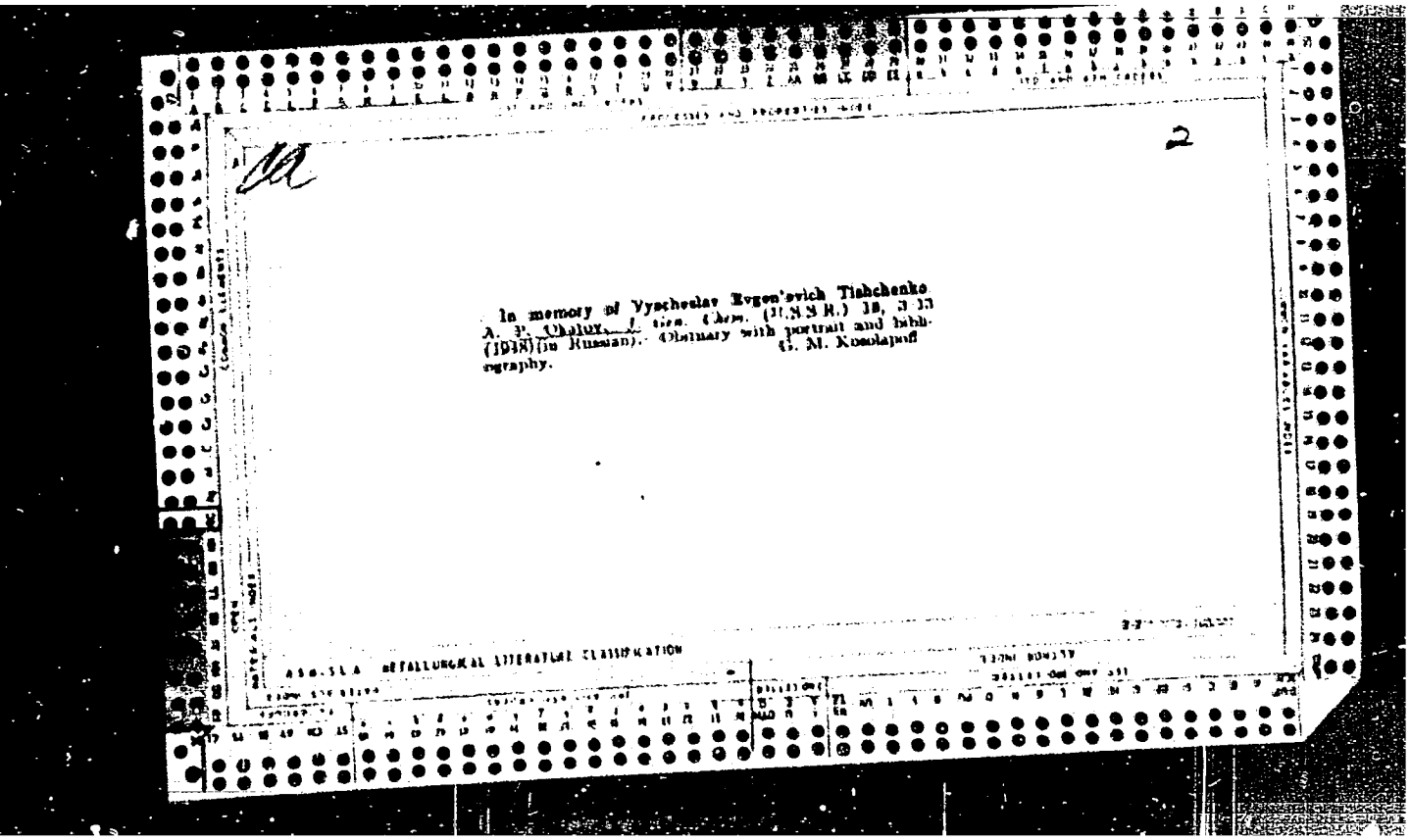

In memory of Vyacheslav Evgen'evich Tishchenko. A. P. Chalov. J. Gen. Chem. (U.S.S.R.) 18, 3-33 (1948)(in Russian). Obituary with portrait and bibliography. G. M. Kondrat'eva

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

OKATOV, A.P., doktor tekhnicheskikh nauk, professor.

[D.I.Mendeleev. Great Russian scientist] D.I.Mendeleev - velikii russkii uchenyi. Moskva, Izd-vo "Znanie", 1953. 39 p. (MLRA 6:8)
(Mendeleev, Dmitrii Ivanovich, 1834-1907)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

ACC NR: AP7003145 SOURCE CODE: UR/0080/66/039/012/2832/2834

AUTHOR: Kryzhanovskiy, B. P.; Okatov, M. A.

ORG: none

TITLE: Increasing the conductivity of tin dioxide and indium oxide layers by means of fluoroorganic compounds

SOURCE: Zhurnal prikladnoy khimii, v. 39, no. 12, 1966, 2832-2834

TOPIC TAGS: tin compound, indium compound, fluorocarboxylic acid, electric conduction

ABSTRACT: In an attempt to find substances suitable for the introduction of fluorine into SnO_{2-x} coatings (used for preparing sight glasses) for the purpose of increasing the electric conductivity (and thus decrease the voltage of the current necessary for the heating of these glasses), suitable compounds were found to be CF_3COOH (MP 72.4°), perfluoropropionic acid C_2F_5COOH (MP 96°) and their ammonium salts. SnO_2 layers with a transparency up to 75% and a resistance up to 10 ohms were obtained by adding these fluoroorganic additives to aqueous $SnCl_4$, which was decomposed to produce the coatings. Introduction of 2-7% CF_3COOH and C_2F_5COOH into $InCl_3$ (from which In_2O_{3-x} coatings similar to SnO_{2-x} coatings are prepared) increases the conductivity 3 to 4-fold while preserving a high degree of transparency. It is concluded that this method of increasing the conductivity of tin dioxide and indium oxide layers can find extensive applications in the production of heated sight glasses and screens transparent to visible light and reflecting infrared radiation and superhigh frequency radio waves.

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ACC NR: AP7003145

Orig. art. has: 1 table.

SUB CODE: 07/ SUBM DATE: 18Oct65/ ORIG REF: 007/ OTH REF: 001

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

LILICH, L.S.; SMIRNOVA, R.S.; OKATOVA, A.I.

Water vapor pressure in the system $Me(ClO_4)_2 - HClO_4 - H_2O$. Zhur. neorg.khim. 7 no.2:377-378 F '62. (MIRA 15:3)
(Perchlorates) (Systems (Chemistry)) (Vapor pressure)

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OKAT'YEV, A.I., inzh.

Modernizing crane equipment. Bezop.truda v prom. 5 no.7:26-27 Jl '61. (MIRA 14:6)

1. Ural'skiy vagonostroitel'nyy zavod.
(Cranes, derricks, etc.—Technological innovations)

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S/107/61/000/008/002/004
D227/D305

AUTHOR: Okat'yev, A. I., Deputy Chief Mechanic

TITLE: A bridge crane is controlled by radio

PERIODICAL: Radio, no. 8, 1961, 51

TEXT: In 1961 the Ural'skiy vagonostroitel'nyy zavod (Urals Railroad Car Construction Plant) in Nizhnyy Tagil tested the Soviet Union's first experimental model of a radio control unit for an electromagnetic bridge crane with a lifting capacity of 10 tons. Tests were also carried out at minus temperatures. The unit consists of a transmitting and a receiving section and works on frequency modulation. The transmitting section, weighing only 3.3 kg, consists of a short-wave transmitter with antenna, a control panel, command frequency generators and a power pack with a storage battery. The control panel on the front of the transmitter has 4 switches, 2 tumbler switches and 1 push-button. Three of the switches control the load lifting mechanisms, travelling and traversing, while the fourth switch cuts the current to the electromagnetic plate. The push-button activates an electric bell on the crane, one tumbler supplies the control panel and transmitter with power from the battery and the other

Card 1/3

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A bridge crane...

tumbler serves to stop the crane in case of an emergency. The receiving section consists of a receiver (with antenna) tuned to the transmitter's carrier frequency, selective amplifiers, power packs, a deciphering device based on stepping selectors, an auxiliary relay and a rectifier. This section is powered from the a.c. grid. The deciphering device shapes the incoming signals and guides them into the proper channels to control the crane mechanisms via the auxiliary relay. The receiving unit is situated entirely on the crane gantry. Only the speeds relay and the "radio control"/ "cabin control" switch are installed in the operator's cabin. With the help of the latter the crane can be controlled from the cabin in the normal way. All controls operate independently. The crane mechanisms are controlled by switches connected with the generators. One switch sends two separate signals corresponding to the motors' two directions of rotation. The electromagnetic plate is similarly controlled from a special switch. The electric motors are controlled by successively pressing the switches in one direction. The first impulse corresponds to first gear, the second impulse to second and the third to third gear. Changing down or reversing is effected by pressing the switch in the opposite direction. The radio apparatus has good anti-interference properties and functioned without

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A bridge crane...

interference from stray signals emitted by a nearby thermal electric plant and electric steel furnaces. The control panel and transmitter can be strapped to the crane operator's chest, so that he can both operate the crane and act as "hook-man." Data accumulated from pilot operation of the experimental model will be used to design a second, industrial model of the radio control device.
There is 1 figure.

ASSOCIATION: Uralvagonzavod (Urals Railroad Car Plant)

Card 3/3

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OKAT'YEV, A. I., gazomershchik

Efficient work. Sov.shakht. 10 no.4:10 Ap '61. (MIRA 14:9)

1. Shakhta "Shushtalepskaya-1", Kuzbass.
(Kuznetsk Basin--Coal mines and mining)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

OKAT'YEV, M.K.

Study of optical apparatus intended to increase the angle of vision.
Fiz. v shkole 21 no.2:56-58 Mr-Ap '61. (MIRA 14:8)

1. Istobenskaya srednyaya shkola Kirovskoy oblasti.
(Optical instruments)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

OKAZOV, Kh.K.

Anatomical and morphological characteristics of Allium ursinum.
Bot. zhur. 46 no. 5:700-705 My '61. (MIRA 14:7)

1. Severo-Osetinskiy sel'skokhozyaystvennyy institut, Ordzhonikidze.
(Onions)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

SYROMYASSKIY, V.A.; NOVIKOV, B.G.; BERSHTEYN, R.S.; PRITYKIN, D.P.; OKATYY, K.A.

Automatic control of the return cooling cycle in a sintering plant. Metallurg 10 no.6:6-8 Je '65. (MIRA 18:6)

1. Zavod "Zaporozhstal'".

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

L 16189-63 EWT(l)/EWP(j) EWT(m)/BDS AFFTC/ASD/ESD-3/IJP(c) JT

ACCESSION NR: AR3005165 S/0058/63/000/006/E001/E001

SOURCE: RZh. Fizika, Abs. 6 E544

AUTHORS: Tarasenko, G. D.; Okazova, F. N. 21 14

TITLE: Some data on the electric conductivity of KCl crystal irradiated by light of an aluminum spark at high temperatures

CITED SOURCE: Uch. zap. Kabardino-Balkarsk. un-t, vy*p. 16, 1962, 272-278

TOPIC TAGS: Potassium chloride crystal, electric conductivity, aluminum arc irradiation

TRANSLATION: The electric conductivity of single-crystal KCl with Pt electrodes was measured prior to irradiation, during the course of irradiation with a condensed Al-spark, and after cessation of the irradiation, in fields of 50--100 V/cm at temperatures 270--540°C. Freshly grown crystals, additively colored and discolored, were investigated. Depending on the intensity of the irradiation, the conductivity was either increased or decreased by the radiation, and when the air layer between the spark and the crystal was 1.5--2 cm thick, only weakly pulsating

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L 16189-63

ACCESSION NR: AR3005165

currents were observed. The decrease in the conductivity is a process that is reversible in time, and the conductivity increase obtained during the irradiation is conserved to a considerable degree after the cessation of the irradiation. Curves are presented for the time variation of the current flowing through the crystal, before and after the irradiation. It is assumed that when the crystal is irradiated two processes occur simultaneously: 1) the anion vacancies capture the electrons released as a result of irradiation, causing an increase in the number of free cation vacancies and a decrease in the crystal conductivity, and 2) the metastable levels of the electrons released by the radiation and by the thermal motion from the regular anions and negative ions of the impurity become attached to the positive ions of the impurities; this leads to a decrease in the number of the ordinary current carriers in the crystal and a drop in its conductivity. The first or second process may predominate, depending on the experimental conditions. A. Poletayev.

DATE ACQ: 15Jul63 SUB CODE: PH ENCL: 00

Card 2/2

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

OKEANOV, B.N., inzh.; AYZENSHTADT, Ye.B., inzh.; TROFIMOV, B.A., inzh.

Using magnetic amplifiers in automatic control systems of electric propeller drives. Sudostroenie 29 no.8:46-49 Ag '63. (MIRA 16:10)

(Ship propulsion, Electric)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

Okeanov

Device for registering the intensity of vaporization of a liquid. [illegible] Okeanov. Trudy [illegible] [illegible] 1955 [illegible] Referat. Zhur. Khim. 1955, No [illegible] The device consists essentially of a spring balance carrying a dish into which the liquid is placed. The movement of [illegible] as the liquid [illegible] is transmitted to [illegible] by a system of relays. M. Hosch

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

OKHANOVA, G.F.

Fluorescence determination of porphyrins in urine in periodic medical examinations. Lab.delo 2 no.4:9-11 Jl-Ag '56. (MLRA 9:10)

1. Iz kafedry obshchey gigiyeny (zav. - dotsent P.V.Dimitrevskiy) Severo-Osetinskogo meditsinskogo instituta.
(FLUORESCENCE MICROSCOPY)
(PORPHYRINURIA)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

OKEANOVA, G. F.

137-58-5-11237

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 5, p 333 (USSR)

AUTHOR: Okeanova, G. F.

TITLE: The Effect of Some Working Conditions in Shops on the Health of Workers in the Lead Shop of the "Elektrotsink" Plant (O vliyanii nekotorykh proizvodstvennykh usloviy na sostoyaniye zdorov'ya rabochikh svintsovogo tsekha zavoda "Elektrotsink")

PERIODICAL: Inform. byul. Mosk. n.-i. in-t sanitarii i gigiyeny, 1957, Nr 6-7, p 83

ABSTRACT: Investigations revealed that the contents of Pb, SO_2, and of C and N oxides in the air at various operating stations considerably exceeded the maximum permissible concentrations, and that in the period of 1950-1955 the incidence of disease among workers in the lead shop was 20-23% higher than among the workers in a construction shop at the same plant. On the basis of physical examinations of the workers it is claimed that the earliest symptoms of lead poisoning include the following: reduced hemoglobin content, polychromasia, and porphyrinuria. Improved medical facilities in conjunction with prophylactic measures of technical nature made it possible to reduce the incidence of disease by 50%.

Card 1/1 1. Industrial plants--Hazards 2. Sanitary engineering Ye. L.

USCOMM-DC-55496

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

G. F. OKEANOVA

USSR/Pharmacology. Toxicology. Toxicology U-9

Abs Jour : Ref Zhur-Biol., No 7, 1958, 33120

Author : Okeanova G. F.
Inst : Not given
Title : On the Early Diagnosis of Lead Intoxications.

Orig Pub : Viachebn. delo, 1957, No 7, 759-760

Abstract : Four hundred fifty-two workers (males) in the ages of 20 to 40 years, working with lead for a period of 1 to 10 years were under observation for 2 years. Anemia (less than 60% Hb) was found in 75 to 80% of the workers in the early stages of lead intoxication; reticulocytosis in 100% of the workers; anidocytosis and poykilocytosis in 28 to 29% of the workers; polichromy in 52% of the workers; basophile granulation in 14% of the workers; pophynurea in the urine of 72 to 77% of the

Card 1/2

Card 1/1

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

SOV/137-58-12-25539

Translation from: Referativnyy zhurnal. Metallurgiya, 1958, Nr 12, p 205 (USSR)

AUTHOR: Okeanova, G. F.

TITLE: On the Effect of Certain Working Conditions on the Health of Lead-shop Workers at the "Electrotsink" Plant (O vliyanii nekotorykh proizvodstvennykh usloviy na sostoyaniye zdorov'ya rabochikh svintsovogo tsekha zavoda "Elektrotsink")

PERIODICAL: [Tr.] Sev-Osetinsk. med. in-ta, 1958, Vol 7, Nr 1, pp 111-118

ABSTRACT: Improvement of the medical service in conjunction with prophylactic measures of a technical nature have reduced the occupational sickness among lead-shop workers at the "Electrotsink" plant by 50% and have decreased the general occurrence of illness there appreciably. See also RZhMet 1958, Nr 5, abstract 11237

Yu. S.

Card 1/1

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

OKEANOVA, G. F., Cand of Med Sci -- (diss) "Special Features of Production Conditions by Health Workers of a Lead Shop ofthe "Elektotsink" Plant," Moscow, 1959, 13 pp (Central Institute for the Advanced Training of Physicians) (KL, 6-60, 126)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

OKHANOVA, G.P. (Ordzhonikidze)

Influence of working conditions on disease incidence among workers of the lead shop of the "Electrotsink" factory. Gig. truda i prof.zab. 3 no.4:54 Jl-Ag '59. (MIRA 12:11)

1. Kafedra obshchey gigiyeny Severo-Osetinskogo meditsinskogo instituta.

(LEAD--METALLURGY--HYGIENIC ASPECTS)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

SIECHA, A.

Principles of the accomplishment of road programs. p. 73.

BUDOWNICTWO. (Wydawnictwa Komunikacyjne) Warsaw, Poland. Vol. 14, no. 3, March 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 7, July 1959

Uncl.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

OKECKI, S., general brygady, prof.

Activities of the air force and of the air defense troops in the Catalonian operation in Spain, December 23, 1938 - February 9, 1939. Wojsk przegl 13 no.8:41-53 Ag '60.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

OKECKI, Stanislaw, prof.

Some remarks on technical military science. Problemy 19 no.5: 295-302 '63.

1. General brygady, Warszawa.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

OKENKA, Evzen, inz.

"Photoelectronics" by B. Magyari. Reviewed by Evzen Okenka. Automatizace 7 no. 3: Supplement:Technicka literatura insert Mr '64.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

L 33196-66

ACC NR: AP6023813 SOURCE CODE: CZ/0014/66/000/001/0011/0014

AUTHOR: Okenka, Evzen (Engineer) 28

ORG: none B

TITLE: Circuit for directively oriented position sensing

SOURCE: Sdelovaci technika, no. 1, 1966, 11-14

TOPIC TAGS: circuit design, laboratory instrument, electronic circuit

ABSTRACT: The article discusses circuits used in measurement to automatically monitor the indicators of measuring instruments, points out the need and lists the advantages of such circuits and the requirements set for them. The circuits are presented and described in detail. Orig. art. has: 9 figures and 3 tables. [JPRS]

SUB CODE: 09 / SUBM DATE: none / ORIG REF: 001 / OTH REF: 003

Card 1/1 pla

0915 15 2/21

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

Antipov, K.I.

AUTHOR: Antipov, K.I., Okenko, A.P., Engineers 133-1-20/24

TITLE: On Mechanical Testing of Carbon Structural Steels (Mekhanicheskiye ispytaniya uglerodistoy konstruktsionnoy stali)

PERIODICAL: Stal', 1958, No.1, p.82 (USSR).

ABSTRACT: It is pointed out that in preparation of specimens from carbon steels for tensile tests according to ГОСТ 1497-42, the time elapsed between the preparation and testing of specimens is not specified, while this has an influence on the plastic properties of steel. An investigation carried out on the works in 1947 indicated that an improvement of the plastic properties of steels 25-35, 45, 55 and others on storing is due to the elimination of hydrogen (table). For the above reason, it is proposed to introduce tempering of specimens for 2 hours at 200 °C before testing into the standards. It is stated in the editorial note that the problem requires additional study and views of consumers should be obtained. The following participated in the work: Engineers V.U. Fedorov, V.A. Ivanchenko and Ye.A. Burnayeva. There is 1 table.

ASSOCIATION: "Krasnyy Oktyabr'" Works (Zavod "Krasnyy Oktyabr'")

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APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

OKENKO, A.P.; IVANENKOV, M.I.

Electron microscopy in the laboratory of the "Krasnyi oktiabr'" plant. Zav.lab. 29 no.8:1018 '63. (MIRA 16:9)
(Metallurgical laboratories) (Electron microscopy)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

OLSHFO, A.P.; SHASHKOVA, V.K.

Brittleness of Kh25T steel. Metalloved. i term. obr. [illegible]
58-60 O '64. (MIRA 17:12)

1. Volgogradskiy zavod "Krasnyy Oktyabr'".

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

L 43850-65 EWT(m)/EWP(w)/EWA(c)/T/EWP(t)/EWP(z)/EWP(b) MJW/JD

ACCESSION NR: AP4048781 S/0126/64/018/004/0639/0640

AUTHOR: Okenko, A. P.

TITLE: Nature of the "brittleness 475" in high-chromium steels

SOURCE: Fizika metallov i metallovedeniye, v. 18, no. 4, 1964, 639-640

TOPIC TAGS: high chromium steel, brittleness, dislocation pair, solid solution decomposition

ABSTRACT: The kinetics of the development, and the nature of 475C brittleness in high-chromium commercial Kh28T steel and in Fe-28% Cr alloy (vacuum melted) was investigated. In addition to the usual metallurgical testing, the structure was electron microscopically investigated. Two development stages of brittleness were found. One stage develops in the beginning of tempering at 400-475C (0 to 15 min.), the second stage begins after 1 hour of tempering (tempering at the temperature of maximum brittleness (475C). Dislocation pairs are formed. The latter are considered to be connected with ordering.

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APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

L 43850-65
ACCESSION NR: AP4048781

lieved that the brittleness at the first stage is connected with ordering, and at the second stage, with disintegration of the solid solution. Orig. art. has figures.

ASSOCIATION: TsNIICHERMET im. I. P. Bardina; Zavod (Plant) "Krasnyy Oktyabr'", Volgograd.

SUBMITTED: 16Nov63 ENCL: 00 SUB CODE: MM

NR REF SOV: 002 OTHER: 003

Card 2/2

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

OKENKO, A.P.

Investigating the brittleness of high-chromium steel. Probl. metalloved. i fiz. met. no.8:382-394 '64. (MIRA 18:7)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

L 31854-65 EWT(m)/EWP(w)/EPF(c)/EWP(n)-2/EWA(d)/T/EWP(t)/EWI(b) Pr-4/Ps-4
MJW/JD/GG

ACCESSION NR: AP5004275 S/0126/65/019/001/0140/0141

AUTHOR: Lyashchenko, B. G.; Okenko, A. P.

TITLE: A neutron-structure analysis of Kh25T steel

SOURCE: Fizika metallov i metallovedeniye, v. 19, no. 1, 1965, 140-141

TOPIC TAGS: high chromium steel, steel toughness, steel brittleness, cold shortness, ferrite steel, neutron diffraction pattern, steel superstructure, neutron scattering, iron chromium system, steel Kh25T

ABSTRACT: This study involved an investigation of high-chromium ferritic steel (Cr—24.7; Ti—0.68 and C—0.08%). Series of tests were made of the toughness of the steel at temperatures characterizing the cold shortness threshold at different periods of exposure to 475C. It was found that the so-called "475C brittleness" produced in Kh25T steel is accompanied by a reduced electrical resistance, some increase in the modulus of elasticity, and an increase in the lattice parameter and specific volume. The nature of the "475C brittleness" in this project was studied by the method of neutron diffraction analysis. The neutron scattering amplitudes do not depend on the atomic number of the element and the scattering capacity of the atoms of two metals appearing next to each

Card 1/2

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

L 31854-65

ACCESSION NR: AP5004275

other in the periodic table may vary a great deal. This makes it possible to record the formation of a superstructure in the iron-chromium system. The development of brittleness in high-chromium ferrite steel within a 400-500° temperature range is associated with the formation of an Fe_2Cr superstructure. "The authors are grateful to Prof. R. I. Entin for his valuable comments and advice in the course of this project." Orig. art. has: 2 figures.

ASSOCIATION: TsNIIChERMET im. I. P. Bardina

SUBMITTED: 20Apr64 ENCL: 00 SUB CODE: MM

NO REF SOV: 001 OTHER: 005

Card 2/2

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

L 36109-65 EWT(m)/EWP(w)/EWA(d)/T/EWP(t)/EWP(k)/EWP(b)/EWA(c) Pf-4
PJW/JD/HW

ACCESSION NR: AP4047512 S/0129/64/000/010/0058/0060

AUTHOR: Okenko, A. P.; Shashkova, V. K.

TITLE: The brittleness of Kh25T steel

SOURCE: Metallovedeniye i termicheskaya obrabotka metallov, no. 10, 1964, 58-60

TOPIC TAGS: brittleness, impact toughness, hardness/ Kh25T steel

ABSTRACT: The authors discuss the kinetics of brittleness as it develops in Kh25T steel and recommend the optimal heat treatment for hot rolled 8, 10 and 20 mm thick sheets. Maximum brittleness was observed at 450 to 500C (see Fig. 1 of Enclosure) within the initial 1 to 2 minutes and it was accompanied by a drastic decline in impact toughness and maximum increase in hardness. In finished 20 to 25 mm thick sheets brittleness was eliminated by repeated heating at 780C and subsequent drastic cooling. Orig. art. has: 2 figures.

ASSOCIATION: Volgogradskiy zavod "Krasnyy Oktyabr'" (Volgograd "Red October")

Card 1/1

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

CKENKO, A.P.

Nature of "brittleness 475" in high-chromium steels. Fiz. met. i metalloved. 18 no.4:639-640 O '64. (MIRA 18:4)

1. TSentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii imeni Bardina i zavod "Krasnyy Oktyabr'", Voltograd.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

OLENKO, A.P.; SHASHKOVA, V.K.; DMITRIYEV, P.D.

X-ray analysis of locally isolated inclusions. Sbor. trud. TSNIICHM no.38:47-50 '64. (MIRA 18:3)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

LYASHCHENKO, B.G.; OKENKO, A.P.

Neutron structure analysis of Kh25T steel. Fiz. met. i metallored. 19 no.1:140-141 Ja '65. (MIRA 18:4)

1. TSentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii imeni Bardina.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

OKERBLOM, N.O.; BAKSHI, O.A.; SHRON, R.Z.

Effect of the mechanical dissimilarity of weldments on their efficiency. Trudy LPI no.229:5-15 '63. (MIRA 17:9)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

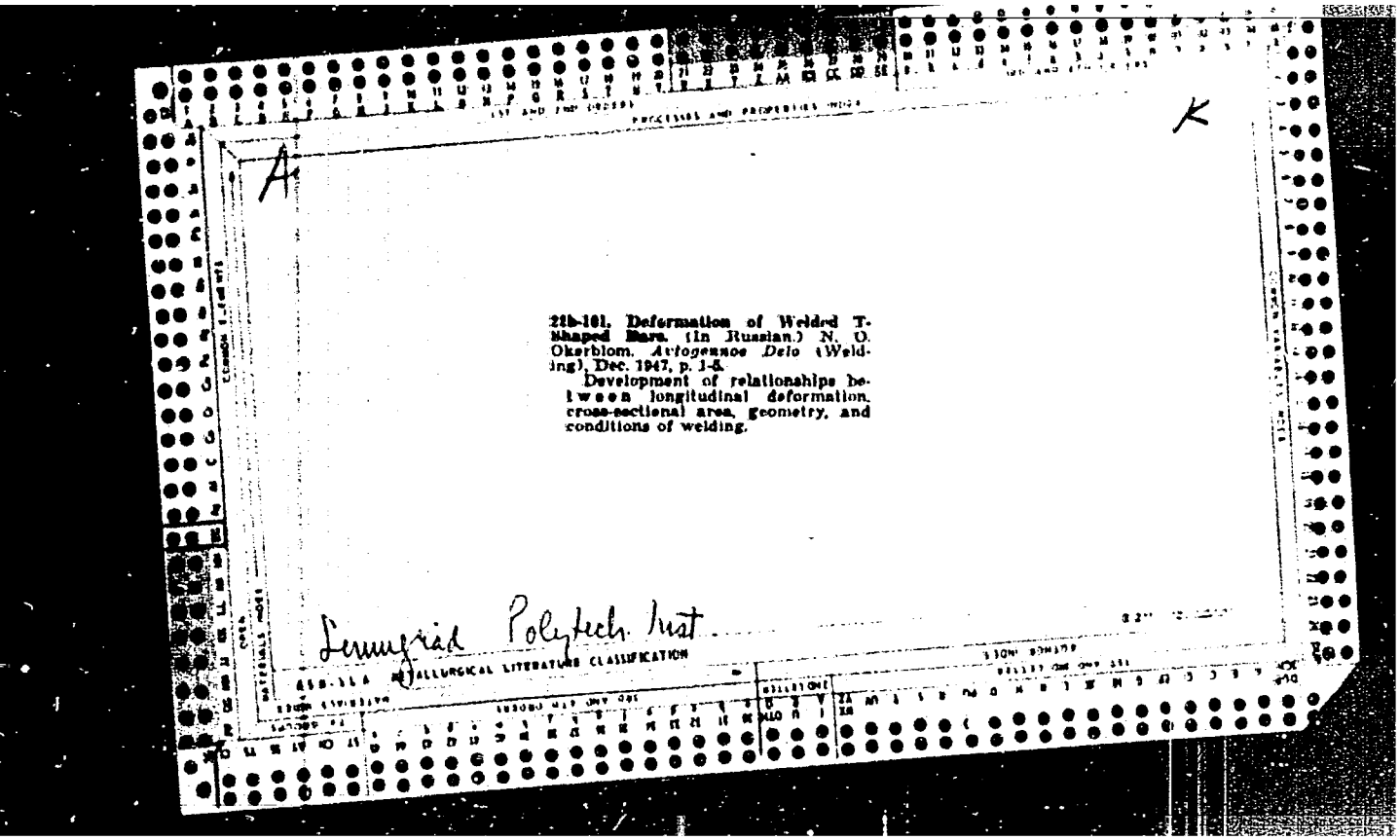
"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

OKERBLOM, N.O.; KOPEL'MAN, L.A.

Estimating the embrittlement of the metal of steel structures.
Trudy LPI no.229:25-32 '63. (MIRA 17:9)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5



21b-101. Deformation of Welded T-Shaped Bars. (In Russian.) N. O. Okerblom. *Avtogennoe Delo* (Welding), Dec. 1947, p. 1-8.

Development of relationships between longitudinal deformation, cross-sectional area, geometry, and conditions of welding.

Leningrad Polytech. Inst.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

OKERBLOM, N. O. PROF

TA 2/49T17

USSR/Engineering
Welding

May 48

"The Activity of the Leningrad Department, NITO of Welders for 1947," Prof N. O. Okerblom, A. S. Kagan, 1½ pp

"Avtogen Delo" No 5

In 1947, scientific research societies were assigned task of aiding the people of the USSR to fulfill second-year plans of the Five-Year Plan. Briefs some contributions made by the societies.

2/49T17

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

OKERBLOM, N. O.

Okerblom, N. O. "On the problem of methods of determining the deformation and tension in welded construction," Sudostroyeniye, 1948, No. 6, pp. 10-11

SO: U-3264, 10 April 53 (Letopis 'Zhurnal 'nykh Statey, No. 4, 1949).

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5

USSR/Engineering Nov 48
Welding Automatic

"Review of the Book, 'A Collection of Works on Automatic Welding With Flux of the Institute of Science Welding Imeni Ye. O. Paton, Academy of Sciences Ukrainian SSR,'" Prof N. O. Okerblom, Dr Tech Sci, Chm, Adm LOMITOS, 4 pp

"Avtogen Delo" No 11

PA 56/49T45

Favorably reviews subject collection, which is divided into five parts: automatic welding problems of metallic constructions, technology of automatic welding, electrotechnical problems of automatic

56/49T45

USSR/Engineering (Contd) Nov 48

welding, automatic beading of worn surfaces, and several practical applications of automatic welding.

56/49T45

OKERBLOM, N. O.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237910003-5"