"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

MOSNA, Jan, inz.

Problem of the connecting function of mineral deposit geometry and nomography in the mining technology. Rudy 11 no.12: 388-393 D'63.

1. Ustav pro vyzkum rud, Praha.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

MOSNA, Jan, inz.

"Control tables for calculation of the Δx, Δy coordinate increases by/ computers" by [inz.] Rudolf Irmler. Reviewed by Jan Mosna. Rudy 12 no.5:161-162 My '64.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

MOSNA, Jan

Use of the geometry of mineral raw material deposits for determination of additive volumes of technological character. Geol pruzkum 6 no.4:98-100 Ap '64.

1. Ore Research Institute, Prague.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

MOSNA, Jan, inz.

International seminar on new methods of mineral deposit geometry.
Rudy 13 no.3:88 Mr '65.

1. Institute of Ore Research, Prague.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

MOSNA P

CZECHOSLOVAKIA

BLAHA, B; HUDEC, P; MOSNA, P; ZOULI., J.

Institute of Anorganic Chemistry of Purkyne University (Institut für anorganische Chemie, Purkyne-Universität), Brno (for all)

Prague, Collection of Czechoslovak Chemical Communications, No 12, 1963, pp 3434-3437

"Report of the Determination of Selenates and Selenites."

(4)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

MOSNA, Zdenek, doc. inz. CSc.

Personal material incentives in the new system of economic management. Podn org 19 no.2:60-63 F '65.

1. Higher School of Economics, Prague.

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

RUMANIA / Cultivated Plants. Plants for Technical Use. Sugar Plants. M-6

Abs Jour: Ref Zhur-Biol., 1958, No 16, 73066.

Author : Mosneaga, A.
Inst : Academy PRP.
Title : Improvement of the "Zhdanovskiy" Sunflower Variety.

Orig Pub: Comun. Acad. PRP, 1957, 7, No 8, 721-726.

Abstract: At the experimental station in Moara Domnyaske, Bukharestskaya Oblast (RPR) work was conducted in 1951 for the improvement of the variety with the purpose of increasing its harvest yield, content of oil and resistance to diseases and pests by methods of individual and large-scale selection. In 1953 the first groups of seeds were isolated. Groups MDI-53 and MDII-53 differ from the original

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

MOSNEAGU, Elonora

From trade-union experience in organizing the sending of workers for rest and treatment. Munca sindic 7 no.5:56-58 My '63.

1. Secretar al Consiliului local al sindicatelor, Botosani.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

MOSNER, Miloslav

Powder metallurgy, its classification for the purpose of standardization. Normalizace 12 no.2:50-51 F'64

1. Zavod prvni perietky, n.p., Sumperk, Oborove normalizacni stredisko.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

MOSHIN, E.

"Trends of the Development of Heavy Forging Press Equipment. Tr. From the Russian." p. 828. (STROJIRENSTVI. Vol. 4, No. 11, Nov. 1954; Praha, Czech.)

So: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 4, April 1955, Uncl..

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

MOSKIN, E.

"New Methods in the Soviet Metalworking Technology." p. 333 (STROJIRENSTVI. Vol. 4, No. 11, Nov. 1954; Praha, Czech.)

So: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 4, April 1955, Uncl..

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

L 17511-63 EPR/EWP(j)/EPF(c)/BDS AFFTC/ASD Ps-4/Pc-4/Pr-4 RM/WW

ACCESSION NR: AP3001797 Z/0043/63/000/005/0337/0345 75 72

AUTHOR: Staudner, E. (Engineer), Beniska, J. (Docent, Engineer, Science Candidate), Stoklasa, K., Mosny, J., Dohanyos, J.

TITLE: Modifications of rubbers (Part 4). Study of the composition of mixtures resulting from modifications of butadiene-styrene rubber by polystyrene [presented at the high polymer chemistry conference in Smolensk 12-15Sep1962]

SOURCE: Chemicke zvesti, no. 5, 1963, 337-345

TOPIC TAGS: synthetic rubber solubility, synthetic rubber solvent, chloroform rubber solvent, acetone solvent separation, selective precipitation, precipitation control, photocolorimeter

ABSTRACT: The article describes a method for separating individual components in the mixtures of butadiene-styrene rubbers modified by polystyrene. A mixture of methanol with acetone in ratios of 1:3 to 1:9 is suitable for the separation of polystyrene from the rubber; this mixture precipitates polystyrene from a solution in benzene while rubber remains in solution. Pure methanol or pure acetone do not give satisfactory results; neither do mixtures in other

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ACCESSION NR: AP3001797

3

proportions than those stated. Petroleum ether precipitates only polystyrene from benzene solution; precipitation starts when the amount of petroleum ether reaches the amount of benzene present, and is completed at a ratio of benzene 3 to petroleum ether 7. Synthetic rubbers trade name Polysar-Krylen NS and Vestyron N were studied according to the method described; changes occurring as a function of the duration of mixing were noted. Increase of mixing time causes increase in the amount of copolymers. The method was checked for selectivity of precipitation of components by measuring extinction with a photocolorimeter. Orig. art. has: 7 figures and 2 tables.

ASSOCIATION: Katedra organickej technologie Slovenskej Vysokej Skoly Technickej, Bratislava (Chair of Organic Technology of the Slovak Technical University)

SUBMITTED: 05Oct62 DATE ACQ: 25Jun63 ENCL: 00

SUB CODE: CH, IE NO REF SOV: 003 OTHER: 011

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

BENISKA, Jozef, doc., inz., ScC.; STAUDNER, Emil, inz.; STOKLASA, Karol; MOSNY, Jaroslav; DOHANYOS, Juraj

Cacoutchouc modification. Pts. 3-4. Chem zvesti 17 no.5:330-345 '63.

1. Katedra organickej technologie, Slovenska vysoka skola technicka, Kollarovo namesti 2.

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

MOSNY, Laszlo; KOCSAN, Karoly; KERDO, Istvan

Synergism and antagonism of antibiotics. Magy. belorv. arch. 10 no.5-6: 156-160 Oct-Dec 57.

1. A Budapesti Orvostudomanyi Egyetem II sz. Belklinikajanak kozlemenye (igazgato: Haynal Imre)

(PENICILLIN
mutual synergism & antag. with streptomycin (Hun))

(STREPTOMYCIN
mutual synergism & antag. with penicillin (Hun))

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

MOSNY, M.

Welding the blades of [illegible].
(Zvaranie, Vol. 3, no. 1, February 1954, Bratislava.)

SO: Monthly List of East European Accession, (EEAL), LC, Vol. 4, No. 11, Nov. 1955, Uncl.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

MOSNY, M.

Metallurgic and operative weldability of welded seams mad with fluxing material, p. 34, ZVARANIE (Ministerstvo hutneho prumyslu a rudnych bani a Ministerstvo strojarstva) Bratislava, Vol. 3, No. 2, Mar. 1954

SOURCE: East European Accessions List (EAL) Library of Congress, Vol. 5, No. 12, December 1956

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

MOSNY, M.

The VUS-CA universal welding machine for welding under flux. p. 561. ZVARACSKY SBORNIK, Bratislava, Vol. 3, no. 3/4, 1954. (Svaracsky sbornik)

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

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MOSNY, M.

Repairing the bed of a lathe by hard soldering, p. 122, ZVARANIE, (Ministerstvo hutneho prumyslu a rudnych bani a Ministerstvo strojarstvo) Bratislava, Vol. 3, No. 4, May 1954

SOURCE: East European Accessions List (EEAL) Library of Congress, Vol. 4, No. 12, December 1955

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

MOSNY, M.

Increasing tasks of welding, p. 129, AVARANIE, (Ministerstvo hutneho prumyslu a rudnych bani a Ministerstvo strojarstvo) Bratislava, Vol. 3, No. 5, June 1954

SOURCE: East European Accessions List (EEAL) Library of Congress, Vol. 4, No. 12, December 1955

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

MOSNY, M.; MUNCNER, L.

Exchange of welding experiences between the German Democratic Republic andCzechoslovakia. p. 56. VARENIE. (Ministerstvo hutneho priemyslu a rudnych bani a Ministerstvo strojarstva. Vol. 5, no. 2, Feb. 1956.

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

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MOSNY, M.

MOSNY, M. Visit of Soviet welding specialists to Czechoslovakia. p. 273

Vol. 5, no. 8/9, Sept. 1956
ZVARANIE
TECHNOLOGY
Bratislava, Czechoslovakia

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

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

MOSNY, M.

Repairs of machinery equipment by welding. p.25.
(Zvaranie, Vol. 6, No. 1, Jan. 1957, Pratislava, Czechoslovakia)

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

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

MOSNY, M.

Welding special cutting tools. p.54.
(Zvaranie, Vol. 6, No. 2, Feb. 1957, Bratislava, Czechoslovakia)

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

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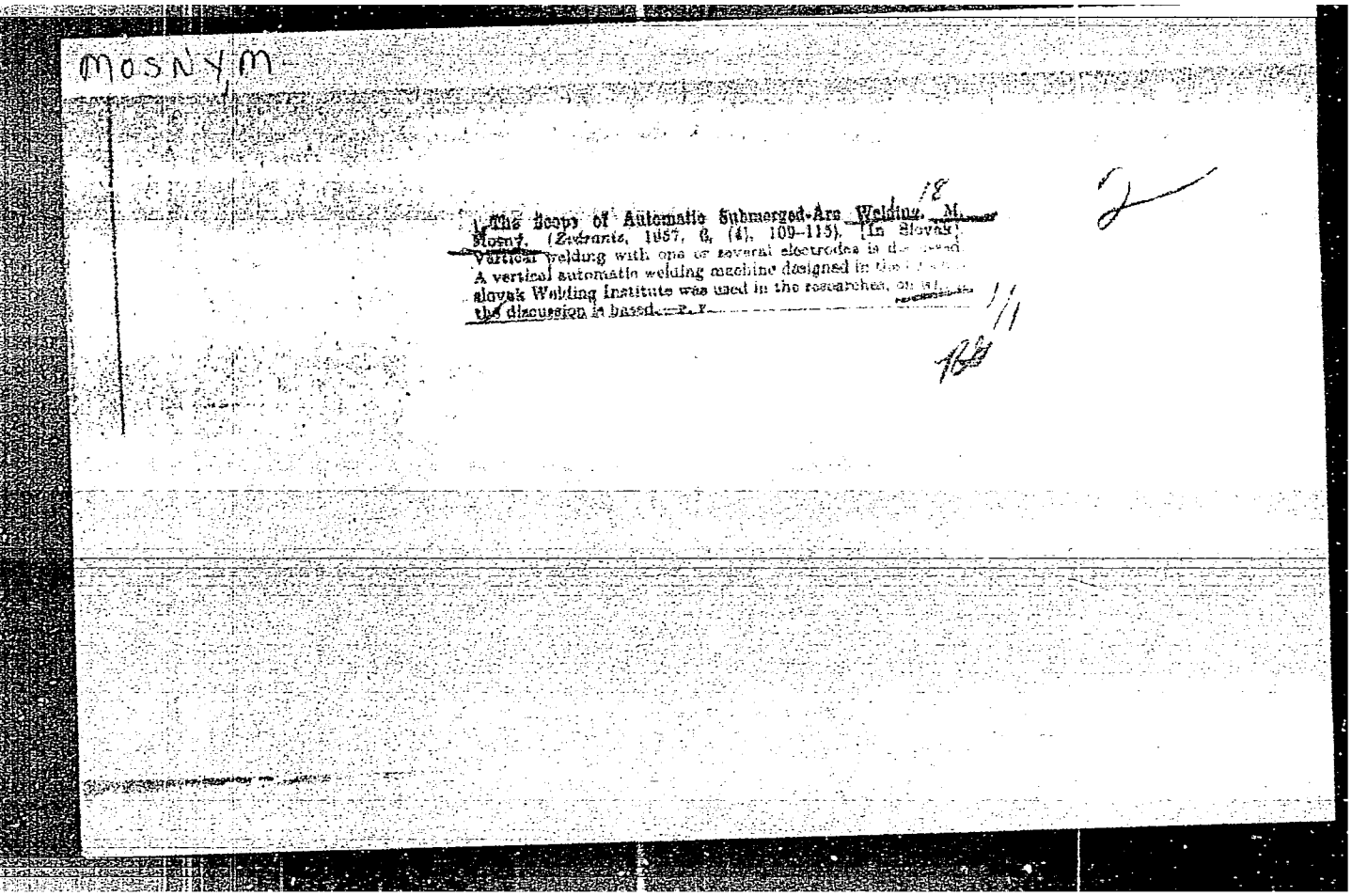

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18

The Scope of Automatic Submerged-Arc Welding. M. Mosný. (*Zváranie*, 1957, 6, (4), 109–115). [In Slovak]
Vertical welding with one or several electrodes is discussed.
A vertical automatic welding machine designed in the Slovak Welding Institute was used in the researches, on which the discussion is based.

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

MOSNY, M.

"Hard-facing rolls for rolling mills."

p. 280 (Zvaranie) Vol. 6, no. 9, Sept. 1957
Prague, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

MOSNY, M.

"Repairing the worn-out pulleys of cable railways."

p. 310 (Zvaranie) Vol. 6, no. 10, Oct. 1957
Prague, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

MOSNY, M.

Soviet experiences in welding under molten slag.

P. 122. (TECHNICKA PRACA) (Bratislava, Czechoslovakia) Vol. 10, no. 2, Feb. 1958

SO: Monthly Index of East European Accession (EEAI) LC Vol. 7, No. 5, 1958

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

MOSNY, M.

The VUS-AS-4 automat for electric-slag welding. p. 148.

ZVARACSKY SBORNIK, (Slovenska akademie vied)
Bratislava, Czechoslovakia. Vol. 8, no. 2, 1959.

Monthly list of East European Accessions (EEAI), Vol. 9, no. 1, Jan. 1960.

Uncl.

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

MOSNY, M.

Magnetic properties of electroslag-welded joints. p. 301.

ZVARANIE. (Ministerstvo hutneho prymyslu a rudnych bani a Ministerstvo strojarenstva)
Bratislava, Czechoslovakia. Vol. 3, no. 9, Sept. 1954.

Monthly list of East European Accessions (EEIA) Vol. 9, no. 1, Jan. 1960.

Uncl.

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n 83845
V/006/60/009/002/001/001
B016/B054

1.2300 only 2208

AUTHOR: Mosný, Martin, Engineer

TITLE: The Operative Weldability of Circumferential Seams on Bulky Vessels Using Electro-slag Welding

PERIODICAL: Zváracský sbornik, 1960, Vol. 9, No. 2, pp. 240-257

TEXT: The author discusses the operative weldability of circumferential seams on bulky vessels, and lays down some directives in his paper: 1) for the choice of the joint width between the workpieces to be welded, 2) for the profile of the welding seam. Further, he discusses the technology of connecting the two ends of the circumferential seam. The workpiece to be welded was 170 mm thick, the joint width chosen was 32 mm (Fig. 1). Because of the irregular deformation of the seam, the joint must be widened at the beginning by 3-4 mm; on the opposite side of the circumference, however, the joint width of 32 mm is maintained. Therefore, the workpieces to be welded must be inclined before welding, their axes must form an angle. It is convenient to shape a round crown on both sides of the seam (Fig. 2). This ensures a perfect welding of both sides of the

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base material, even when the electrode position cannot be observed precisely. The crown should have the form of a half-cylinder whose radius is half the width of the welding seam. The author recommends the use of a straight seam (Fig. 3); the length of the beginning and end of the seam depends on the thickness h of the workpiece to be welded, and is about 2.5 h. Fig. 4 shows the position of the seam sides to be welded as suggested by the author. It makes it possible to hold the automatic welder at constant height. Only when starting to shape the end of the weld, the welder must be moved upward in a vertical plane. Subsequently, the author discusses the preparation of the workpieces for welding, and the choice of the type of the beginning and end of the weld (Figs. 5 and 6). Fig. 7 shows the automatic welder VUS-AS-4 developed and produced by the author's institute. Further, the author discusses the individual welding operations which are illustrated in Figs. 7-15. He also describes the replacement of welding apparatus during the welding of a circumferential seam (Fig. 12). Figs. 16 and 17 show photographs of the welding seam taken from inside and outside, respectively. Finally, the author discusses possible improvements of the seam, as well as its control. The experiments were made under the supervision of Čabelka, Academician, the preparatory work was done by

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The Operative Weldability of Circumferential Seams on Bulky Vessels Using Electro-slag Welding

V/006/60/009/002/001/001
B016/B054

co-workers of the oddelenie automatického zvarania (Department for Automatic Welding) of the author's institute, as well as of the Závody V. I. Lenina in Plzeň - skušobna na Bolevci (V. I. Lenin Works in Plzeň, Testing Station at Bolevec). The welding, and the measurement of deformation, were carried out by co-workers of the abcve-mentioned department, as well as of the oddelenie mechanickej skušobne (Department of Mechanical Tests) of the author's institute. The temperatures around the welding area were measured by co-workers of the Laboratórium strojnictva a hutnictva SAV, Bratislava (Laboratory of Machine Construction and Metallurgy of the Slovakian Academy of Sciences, Bratislava). There are 17 figures and 3 references: 2 Soviet and 1 Czechoslov.

ASSOCIATION: Výskumný ústav zvaračský, Bratislava (Welding Research Institute, Bratislava)

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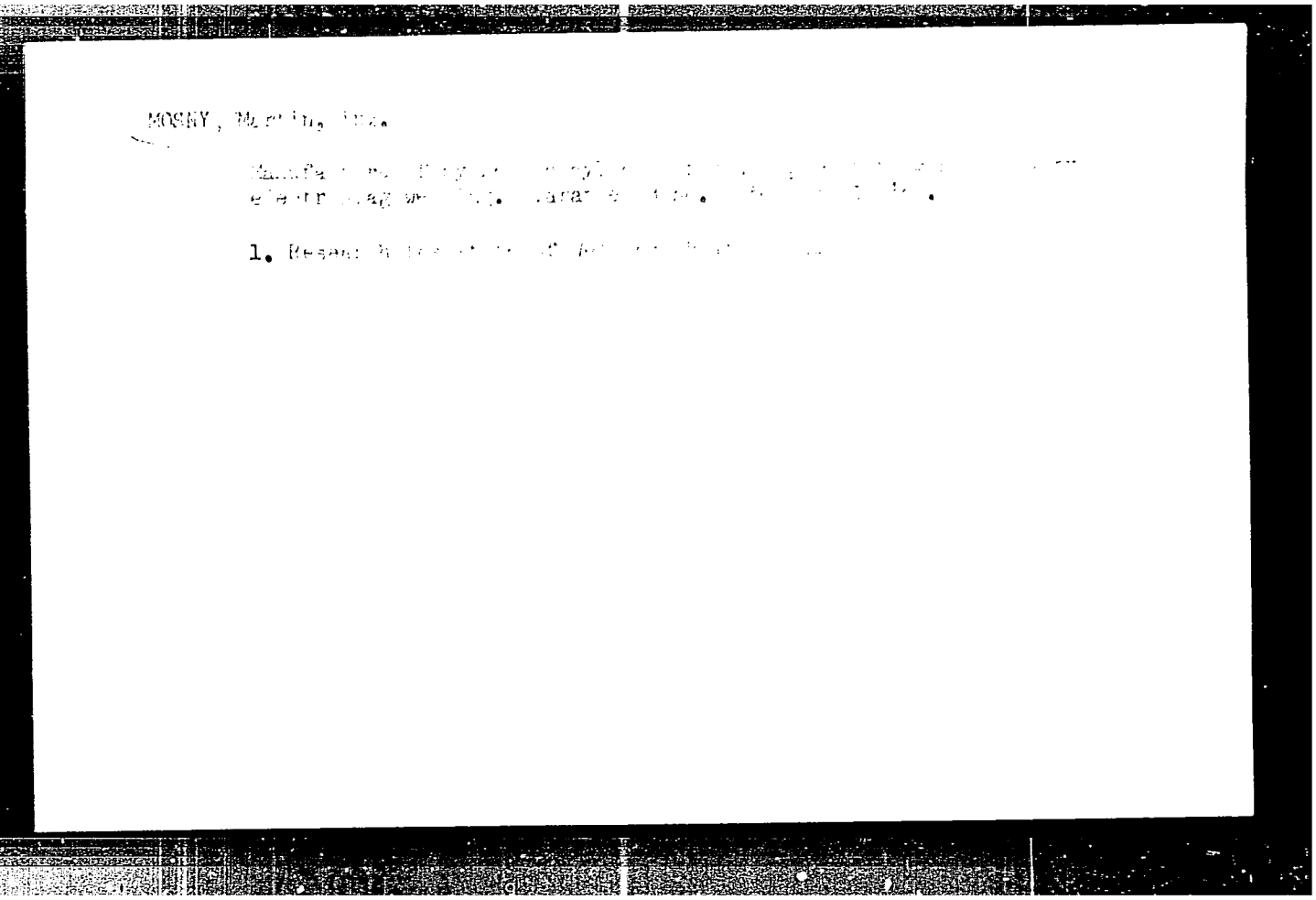

MOSNY, M[illegible]

1. [illegible]

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

MOSNY, Martin, inz.

Manufacture of the hydraulic cylinder for a 12,[illegible] ton forging press by electroslag welding. Zvaranie 13 no.10:296-30[illegible] [illegible] '64.

1. Research Institute of Welding, Bratislava.

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

S/137/62/000/001/104/237
A052/A101

AUTHOR: Mosny, Martin

TITLE: The review of works carried out by the Bratislava Scientific-Research Institute of Welding in 1960 on electroslag welding

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 1, 1962, 21, abstract 1E113 ("Zvaranie", 10, no. 7, 1961, 208-211, Slovakian)

TEXT: The principal results of investigation on the development of electroslag welding technique and on the design of welding equipment for the electroslag welding are presented, as well as the content of the most important patents and literary publications on the electroslag welding. In particular by applying the electroslag welding it was succeeded to solve a number of problems on welding angle joints in beams, irreversible circumferential seams in spirals of hydroturbines and others. Two types of universal automatic machines for the electroslag welding of 350 - 600 mm sheets are being developed. The expediency of designing special equipment for the serial or large-scale production of small parts, special articles and for the build-up work is pointed out. An insufficient

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The review of works carried out ... S/137/62/000/001/104/237
A052/A101

treatment of electroslag welding problems in the Czechoslovak technical literature is pointed out.

[Abstracter's note: Complete translation] Ye. Greyl'

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

Z/034/62/000/005/002/007
E073/E535

AUTHOR: Mosný, M., Engineer

TITLE: Method of manufacturing steels of increased purity. Patent application Class 18b, 20, PV 5017-60 dated August 13, 1960

PERIODICAL: Hutnické listy, no.5, 1962, 367

TEXT: The method relates to materials for machinery and equipment intended for operation under exacting conditions ("high parameters") or under the influence of hard radiation. The material, shaped as an electrode, is remolten under a layer of molten slag. The subject matter of the invention is that between the end of the electrode and the level of the molten metal in the melting bath a voltage of 18 to 30 V is maintained, whereby the current density in the electrode is 3 to 5 A per mm^2 of its cross-section. By this means the refining effect of the molten slag is intensified.

[Abstractor's note: Complete translation]

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

MOSNY, Martin, inz.

Production of large presses. Tech praca 15 no.1:35-38 J '63.

1. Vyzkumny ustav zvaracsky, Bratislava.

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

MOSNY, Martin, inz.

Prospects of the development of arc welding methods and the welding equipment. Zvaranie 13 no.12:345-348 D '64.

1. Research Institute of Welding, Bratislava.

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

MOSNY, Martin, inz.

Factors of arc welding and their nomenclature. Zvaranie 14 no.3:71-75 Mr '65.

1. Research Institute of Welding, Bratislava.

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

MOSNY, Martin, inz.

Contribution to the classification of methods and welding equipment in arc welding. Tech praca 17 no.1:30-33 Ja '65.

1. Research Institute of Welding, Bratislava.

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L 33787-66 EWP(e)/EWP(k)/EWT(m)/T/EWP(w)/EWP(f)/EWP(v)/EWP(t)/EWP(l)/ETI IJP(c)

ACC NR: AP6026287 EM/JG/JD/HM/EW SOURCE CODE: CZ/0047/66/000/008/0639/0640

54
52
13

AUTHOR: Mosny, M. (Engineer; Candidate of science)

ORG: VUZ, Bratislava

TITLE: Manufacture of end closures for large pressure vessels 14 26

SOURCE: Technicka praca, no. 8, 1966, 639-640

TOPIC TAGS: nuclear reactor, pressure vessel, vessel end closure, welded end closure, ~~end closure manufacture~~ carbon steel

ABSTRACT: A method has been developed for manufacturing end closures for large pressure vessels used in chemical, power, and nuclear installations. The specifica- 14

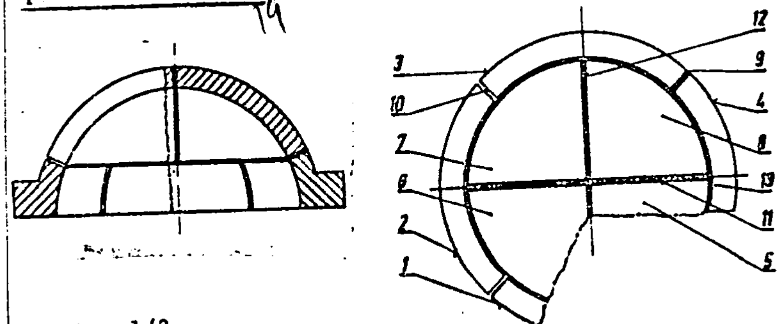

Fig. 1. Schematic design of partition and welds of a pressure vessel end closure.

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tions for these end closures are very strict and cannot be met by cast parts but only by wrought. In the new method, carbon-steel (about 0.20%C) ingots up to 50 tons are rolled and forged into curved 200—300 mm thick segments for the spherical parts and flat 660-mm-thick segments for the flanges (see Fig. 1). Flange and hemisphere are electroslag welded from parts 1, 2, 3, 4, and from parts 5, 6, 7, 8, respectively, and the flange is welded to the hemisphere. This method, used in building the first Czechoslovak nuclear reactor, has been granted Czechoslovak patent No 106024. Orig. art. has: 1 figure. [WW]

SUB CODE: 13, 18/ SUBM DATE: none/ ATD PRESS: 5058

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

MOSO, Dezso, tudomanyos munkatars

Intermittent settling applied in the chemical preparation of water in small industrial boilers. Ipari energia 4 no.9: 196-200 S '63.

1. Hotechnikai Kutato Intezet.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

MOSONYI, Laszlo, dr.; SZECSENYI NAGY, Laszlo, dr.; SZILAGYI, Geza, dr.

Postinfectious hyperthyroidism. Magy belorv. arch. 16 no.3: 129-135 Je '63.

(HYPERTHYROIDISM) (COMMUNICABLE DISEASES)
(THYROID FUNCTION TESTS)
(SERUM ALBUMIN, RADIOIODINATED)
(AUTONOMIC DYSFUNCTION)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

HUNGARY/Corrosion - Protection From Corrosion J.

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 14107

Author : Moso Dezso

Title : Concerning the Article "Investigation of Corrosion of Steam Generation Tubes of Uniflow Boilers" by D'yenesh-Khollo and Kurovskiy

Orig Pub : Magyar onergiagazd., 1955, 8, No 3, 105-197

Abstract : It is pointed out that the cause of corrosion of steam-discharge pipes of single-pipe boilers is a damage to the protective coating of Fe_3O_4 on the internal surface of the pipes. In the opinion of the author, overheating and temperature fluctuations are not the primary and only cause of corrosion but merely promote it. The principal effect upon corrosion is produced by an oxygen content above the normal in the feed water. To eliminate corrosion it is necessary to decrease the amount of oxygen dissolved in the feed water, which can be readily effected by deaeration of the water. See RZhKhim, 1956, 8717, 53224.

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

Moso, D.

Conclusions which could be drawn from measuring the limit of salt concentration and steam purity in steam boilers. p. 599.

ENERGIA ES ATOMTECHNIKA. (Energiagazdalkodasi Tudomanyos Egyesulet) Budapest, Hungary. Vol. 12, no. 9, Oct. 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 9, no. 1, Jan. 1960.

Uncl.

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

87428

H/008/61/014/001/003/005
B009/B057

18.8300

AUTHORS: Mosó, Dezső; Rádi, István

TITLE: Boiler Corrosion Control by Measurement of the Hydrogen Content in Steam

PERIODICAL: Energia és Atomtechnika, 1961, Vol. 14, No. 1, pp. 21-27

TEXT: On the basis of theoretical considerations drawn from German papers (Refs. 1-5) and through cooperation of the institutions with which the authors are associated (Research Institute of Heat Engineering and Chemical Laboratory of the Csepel Power Station), the authors have elaborated a novel boiler-corrosion control technique suitable for boiler plant service and based on the measurement of the hydrogen content in steam. The dissociation process of steam, or the time rate of corrosion may be observed by measuring the amount of hydrogen formed in the reactions: $3Fe + 4H_2O = Fe_3O_4 + 4H_2$ below 570°C, and $Fe + H_2O = FeO + H_2$ above that temperature. The hydrogen number (ω_{eff}), i.e., the amount of hydrogen in Ncm^3 formed per unit (1 m^3) boiler surface is introduced into the

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calculation. This number is proportional to the oxidation rate of the boiler metal, and is a yardstick for measuring the development and the conservation (or destruction) of the protecting oxide scale, no matter how the process actually takes place in the boiler. The H_2 meter designed according to H. Kiekenberg (Ref. 1) permits the observation of corrosion of any origin before appreciable defects occur. Six hydrogen samplers were mounted on the evaporating surface of the Sulzer high-pressure boiler of the Csepel plant. In the meantime, a Cambridge recording H_2 meter has been received and is being installed at the power station. These measurements give a much deeper insight into the process taking place inside the boiler than the conventional chemical analysis of the steam system, and their preventive value is accordingly higher. Hydrogen measurement offers dependable control of the various steam-rising components of the boiler, such as evaporators, intermediate superheaters, superheaters, etc. Székely István and Takács Ferenc are mentioned. There are 5 figures and 5 non-Soviet references.

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

87428

Boiler Corrosion Control by Measurement of the Hydrogen Content in Steam

H/008/61/014/001/003/005
B009/B057

ASSOCIATION: Mosó, Dezső: Scientific worker of the Hötechnikai Kutató Intézet (Research Institute of Heat Technique)
Rádi, István: Head of the Csepel Erőmű Vegyészeti laboratorium (Chemical Laboratory of Csepel Power Station)

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

HUNGARY/Chemical Technology. Chemical Products and Their Application. Treatment of Solid Mineral Fuels. H

Abs Jour: Ref Zhur-Khim., No 13, 1958, 44489.

Author : Mosoczi Ferenc.
Inst :
Title : Investigations of Changes in Petofibanyai Lignite on Drying.

Orig Pub: Magyar energiagasd., 1955, 8, No 2, 74-77.

Abstract: No abstract.

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

M05002, F

2

88. The rate of alumina dissolution in cryolite melts. P. Mogocsi. *Kohaszati Lapok* Vol. 11 (80) 1956. No. 10, pp. 465—471, 9 figs., 4 tabs.

According to the results obtained by the new method of examination, the rate of dissolution is not decisively influenced by the crystal structure (α, γ) of alumina. α-alumina prepared in crucibles dissolves considerably slower than the γ-variation produced in the same manner, but better than the tested commercial alumina. The dissolution of alumina in an acid electrolyte is poorer than in a neutral electrolyte. Granular composition has a considerable affect on the rate of dissolution. In electrolytes of identical composition and temperature the rate of dissolution is influenced by the degree of mixing. Corundum balls ignited at 1600°C and sintered, dissolve faster in cryolite than is alumina. Based on the

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

[redacted]

MOSOCZI, F.

"Supplement to the article entitled 'Mineral Substances in Hungarian Coal and Their Effect on Combustion Technique.'"

p. 228 (Energia Es Atomtechnika) Vol. 10, no. 5/6, Aug. 1957
Budapest, Hungary

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

AUTHOR: Mosoczi, F. 136-11-17/17

TITLE: Speed of Dissolution of Alumina in Cryolite Melts (Skorost' rastvoreniya glinozema v kriolitovykh rasplavakh)

PERIODICAL: Tsvetnyye Metally, 1957, No.11, pp. 94 - 96 (USSR).

ABSTRACT: Abstract of a Hungarian paper from Kohaszati Lapok, 1956, 11, No.10, pp.456-471.
Abstracted by I. Niderkorn.
There are 3 figures and 3 tables.

AVAILABLE: Library of Congress

Card 1/1 1. Cryolite melts-Alumina 2. Solubility

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

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19372

COUNTRY: Hungary
CATEGORY:

ABS. JOUR. : RZKhim., No. 5 1960, No.

AUTHOR : Monoczi, F.
INST. : Not given
TITLE : The Investigation and of its Organic Components

ORIG. PUB. : Energia es Atomtechn., 11, No 11-12, 491-[illegible] (1958)

ABSTRACT : A procedure is proposed for the removal of ash from coal: a 2[illegible] gms coal sample in a Pt crucible is wetted with 1-2 ml alcohol, 20-25 ml portions of 1% HCl and 10% HF (acid) are added, the solution is evaporated to dryness, and the residue is transferred to a flask with 500 ml H_2O and 20 ml conc. HCl. After heating for 1 hr at 80°, the precipitate is filtered, washed, and dried at 105°. The ash-free coal is used in volatile matter and heating value determinations; formulas are proposed for the calculation of these parameters.

S. Rozenfel'd

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

MOSOCZI, Ferenc; MARKOCZY, Guido

Preparing high-strength coke briquets from coking duff by means of tar binding materials. Energia es atom 14 no.12:546-550 D '61.

1. Tudomanyos munkatars, Nehezvegyipari Kutato Intezet Szenes Koksztechnologiai Osztalya (for Mosoczi). 2. Tudomanyos osztalyvezeto, Nehezvegyipari Kutato Intezet Szen- es Koksztechnologiai Osztalya (for Markoczy).

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

MOSOCZI, Ferenc (Budapest); MARKOCZY, Guido (Budapest)

Preparation of high-strength coke briquets from coke duff by means of tar binding materials; manufacture of form coke. Kem tud kozl MTA 16 no.1:125-126 '61.

1. Nehezvegyipari Kutato Intezet, Budapest.

(Coke) (Briquets(Fuel)) (Tar)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

MARKOCZI, Guido (Budapest); IVANYI, Gyula (Budapest); MOSOCZI, Ferenc(Budapest)

Experiments relating to the preparation of a carbide factory self-coking electrode mass from Hungarian materials. Kem tud kozl MTA 16 no.1:132-133 '61.

1. Nehezvegyipari Kutato Intezet, Budapest.

(Carbides) (Electrodes) (Coking)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

MARKOCZY, Guido, tud.ov.; IVANYI, Gyula, tud.fomts.; MOSOCZI, Ferenc, tud.mts.

Experiments in preparing self-burning electrode composition for carbide manufacturing from Hungarian raw materials. Koh lap 95 no.5:219-222 My '62.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

KERTESZ, Gabor, okleveles vegyeszmernok; DEAK, Bertalan; MORY, Bela,dr.; TOTH SARUDY, Bela; SERLY, Gusztav; MOSOCZY, Ferenc; NAGY BIRO, Sandor, fomernok; JECSAY, Laszlo; NAHOCZKY, Alfonz; ALMASSY, Lajos,fomer.

Questions on the traditional method of town gas production. Energia es atom 17 no.1:17-22 Ja'64.

1. Orszagos Koolaj- es Gazipari Troszt (for Kertesz). 2. Pecsi Kokszmuvek (for Deak). 3. Brikett Termelo es Szendusito Vallalat (for Serly). 4. Femipari Kutato Intezet (for Mosoczy). 5. Fovarosi Gazmuvek (for Nagy Biro); 6. Nehezipari Mijiszterium (for Almassy). 7. Budapesti Muszaki Egyetem Kemiai Technologiai Tanszek (for Jecsay).

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

MOSOCZI, Ferenc, okleveles vegyeszmernok, tudomanyos munkatars

Problems of the up-to-date use of black coal pitch. Energia es atom 17 no.6:286-288 Je '64.

1. Research Institute of the Metal Industry.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

MOSOCZI, Ferenc, tudomanyos munkatars

Preparation of electrode coke from ash-free coal. Koh lap 98 no.2:74-77 F '65.

1. Research Institute of Metal Industry, Budapest.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

HUTTMANN,A.; PASZTOR,P.; COJOCARU,L.; TAFFET,E.; UIARIU,I.; ENYEDI,C.; FRUMUZACHE,A.; IANCU,I.; MOSOIU,Gr.; STEFANESCU,C.

Correlations between the degenerative changes in the cervical spine and arterial hypertension. Probl. reumat.,Bucur. no.6: 99-108 '59.

(HYPERTENSION, etiology)
(SPINE, diseases)
(OSTEOCHONDRITIS, complications)
(ARTHRITIS RHEUMATOID, complications)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

SEMENOVICH, B.V.; MIRONCHENKO, V.L.; MOSOL, A.A.

Introducing automatic control of devices used in proportioning the charge mixture for large ferroalloy furnaces. Stal' 23 no.1:50-54 Ja '63. (MIRA 16:2)
(Iron alloys—Metallurgy) (Automatic control)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

F

Country : USSR
Category : Microbiology - Antibiosis and Symbiosis. Antibiotics

Abs. Jour : Ref Zhur - Biol., No.19, 1958, 85991

Author : Yavorovskaya, [illegible].Ye.; Mosolov, A.N.
Institut. : -
Title : The Effect of Levomycetin on Dysentery Bacilli in in Vitro Experiments

Orig. Pub. : Sb.: Vopr. Dizenterii. Novosibirsk, 1957, 63-69

Abstract : The resistance of dysentery bacilli increases from 10 to 1000 fold when they are cultured in media with increasing concentrations of levomycetin. Under the influence of the latter, there are changes in shape and size of the dysentery bacilli and granularity appears in their cytoplasm. The biochemical properties of the microbes change imperceptibly; there is a reduction in the intensity of fermentation of certain carbohydrates, but there are no changes in the serologic properties of detectable magnitude. - [illegible].I.Shapovalova

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

ZALESSKIY, G.D., prof., VOROB'YEVA, N.N., prof., PIROGOVA, O.I., SHURIN, S.P. KAZHACHEYEV, V.P., YAVOROVSKAYA, B.Ye., FEDOROV, A.I., MOSOLOV, A.N.

Specific agent inducing rheumatic fever. Report No.1: Some data on a filtrable virus isolated in rheumatic fever. Terap. arkh. 30 no.5:3-15 My '58 (MIRA 11:6)

1. Iz Novosibirskogo meditsinskogo instituta.
(RHEUMATIC FEVER, microbiology,
isolation & infect. of animals with specific virus (Rus))
(VIRUSES,
isolation & infect. of animals with specific rheum. virus (Rus))

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

YAVOROVSKAYA, V.Ye.; MOSOLOV, A.N.; BALANDINA, A.M.

Cultural and various antigenic properties of strains of the virus isolated from patients with rheumatic fever. Vop. virus. 5 no. 6:695-701 N-D '60. (MIRA 14:4)

1. Kafedra mikrobiologii Novosibirskogo meditsinskogo instituta i revmatologicheskaya laboratoriya.
(RHEUMATIC FEVER) (VIRUSES)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

DREYZIN, R.S.; YAVOROVSKAYA, V.Ye.; BALANDINA, A.M.; SHURIN, S.P.; VOROB'YEVA, N.N.; MOSOLOV, A.N.; ZALESSKIY, G.D.; ZHDANOV, V.M.

Group of new virus strains, the so-called R virus. Vop. virus. 6 no.5:521-532 S-O '61. (MIRA 15:1)

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR, Moskva i Novosibirskiy meditsinskiy institut, Novosibirsk.
(VIRUSES)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

MOSOLOV, A.N.

Chamber for the constant observation and microcinematography of tissue cultures. Vop. virus. 6 no.6:748-750 N-D '61. (MIRA 15:2)

1. Kafedra mikrobiologii Novosibirskogo meditsinskogo instituta.
(TISSUE CULTURE--EQUIPMENT AND SUPPLIES)
(PHOTOMICROGRAPHY--EQUIPMENT AND SUPPLIES)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

MOSOLOV, A.N.

Interaction of tissue culture cells with biruses isolated from rheumatics. Report No.1. Izv. Sib. otd. AN SSSR no.10:130-136 '61. (MIRA 14:12)
(VIRUSES)
(RHEUMATIC FEVER)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

MOSOLOV, A.N.

Interaction of tissue culture cells with viruses isolated from rheumatics. Report No.2: Fluorescence microscopy and cytochemical investigation. Izv.Sib.otd.AN SSSR no.12:82-86 '61. (MIRA 15:3)

1. Novosibirskiy meditsinskiy institut.
(VIRUSES) (TISSUE CULTURE)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

MOSOLOV, A.N.

Morphology of fibroblasts in the culture of human embryonic tissue; investigation by the use of an objective with Stepanov's central disk. Zhur. ob. biol. 22 no.2:153-155 Mr-Ap '61. (MIRA 14:5)

1. Novosibirsk Medical Institute.
(TISSUE CULTURE) (MICROSCOPY--TECHNIQUE)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

MOSOLOV, A.N.

Electron microscopy of the fibroblast surface in human embryonal tissue culture. TSitologiia 5 no.3:320-323 My-Je '63.
(MIRA 17:5)

1. Kafedra mikrobiologii Novosibirskogo meditsinskogo instituta.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

MOSOLOV, A.N.; YERSHOV, F.I.

Cytophagy and pinocytosis; some considerations in the light of data obtained from studying tissue cultures. Izv. SO AN SSSR no.8. Ser.biol.-med.nauk no.2:139-147 '65. (MIRA 18:9)

1. Institut tsitologii i genetiki Sibirskogo otdeleniya AN SSSR, Novosibirsk i Institut virusologii AMN SSSR, Moskva.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

TRUNOVA, L.A.; MOSOLOV, A.N.; TIKHONOVA, N.A.; BATALINA, T.A.; SPIREVA, A.I.

Morphology of Mycoplasma-type micro-organisms, isolated from tissue cultures. Izv. SO AN SSSR no.8. Ser. biol.-med. nauk no.2:148-155 '65. (MIRA 18:9)

1. Novosibirskiy gosudarstvennyy meditsinskiy institut i Institut tsitologii i genetiki Sibirskogo otdeleniya AN SSSR, Novosibirsk.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

S/166/61/000/002/004/006
B112/B202

AUTHOR: Mosolov, B. G.

TITLE: Approximate method of solving nonlinear integro-differential equations

PERIODICAL: Izvestiya Akademii nauk UzSSR. Seriya fiziko-matematicheskikh nauk, no. 2, 1961, 41-51

TEXT: L. Ye. Krivoshein studied approximate solutions of linear integro-differential equations. The author presents a solution algorithm for nonlinear integro-differential equations of the Fredholm type which is based on the method by Sokolov. The equation concerned has the following form:

$$y(x) = \varphi(x) \int_a^b K(x,s)\, f(x,s,y,\ldots,y^{(q-1)})ds. \quad (1)$$

C_q denotes a class of functions that are continuous up to and including their q-th derivatives. He assumes that φ, K and f belong to class C_{q-1},

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Approximate method of solving nonlinear...

that, with respect to its "variables" $y,\ldots,y^{(q-1)}$, f satisfies Lipschitz conditions with Lipschitz constants $A_0,\ldots,A_{q-1}$, and that a non-negative constant M exists so that $-M+\varphi_i \leq y^{(i)}(x) \leq M+\phi_i$ with $\varphi_i = \min_{[a,b]} \varphi^{(i)}(x)$, $\phi_i = \max_{[a,b]} \phi^{(i)}(x)$

$$y_n(x) = \varphi(x) + \int_a^b K(x,s) f(x,s,y_{n-1}+\alpha_n^0,\ldots, y_{n-1}^{(q-1)}+\alpha_n^{q-1})\,ds,$$

with

$$\alpha_n^i = 1/(b-a) \int_a^b \left[y_n^{(i)}(x) - y_{n-1}^{(i)}(x)\right] dx$$

is the n-th approximate solution of equation (1). The author proves that the sequence $\left\{y_n^{(i)}(x)\right\}$ converges uniformly and absolutely towards a continuous solution Z(x) of (1) if the condition $ALT < 1/3$ is fulfilled where $A = \max(A_0,\ldots,A_{q-1})$, $L = \max(L_0,\ldots,L_{q-1})$,

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

$L_i = \max_{[a,b]} \int_a^b \left| \frac{\partial^i K(x,s)}{\partial x^i} \right| ds$ and $T = 2^{q-1} - 1$. The author also gives an error estimation and two examples. The first one

$y(x) = x^2 - 0.8x + 1 + \int_0^1 xs\left[(y'')^2 - y' - sy\right]ds$ has the exact solution:

$y(x) = x^2 + 1$ and the approximate solutions: $y_1(x) = x^2 + 0.1533\,x + 1$, $y_2(x) = x^2 - 0.0613\,x + 1$, $y_3(x) = x^2 + 0.0244\,x + 1$, $y_4(x) = x^2 - 0.0012\,x + 1$ etc. There are 5 Soviet-bloc references.

ASSOCIATION: Institut matematiki im. V. I. Romanovskogo AN UzSSR (Institute of Mathematics imeni V. I. Romanovskiy of the Academy of Sciences UzSSR)

SUBMITTED: May 26, 1960

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

29055
S/166/61/000/005/001/004
B112/B102

16,4500

AUTHOR: Mos[illegible]ov, B. G.

TITLE: A method of approximate solution of operator equations in the metric space L_2

PERIODICAL: Akademiya nauk Uzbekskoy SSR. Izvestiya. Seriya fiziko-matematicheskikh nauk, no. 5, 1961, 29 - 34

TEXT: The author approximates the solution u of the operator equation $u = \varphi + Pu$ by the approximate solutions $u_n = \varphi + P(u_{n-1} + \alpha_n)$. P is a linear operator; $\alpha_n = -\int_\Omega P\varepsilon_{n-1}Tedv / \int_\Omega (Te)^2 dv$; $\varepsilon_n = P\varepsilon_{n-1} + \alpha_n Te$; $T = P - P^2$; and e is a unity element. The approximation starts with $u_o = e$ and $\alpha_o = 0$. Convergence and error of the method depend on the number $M = 2\left\{\int_\Omega \left(\int_{\Omega'} \Psi^2 dv\right)dv\right\}^{1/2}$. The function Ψ is defined by the equation $Pu = \int_\Omega \Psi u dv$ $M < 1$ is the condition of convergence, and

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A method of approximate solution of ...

$\|u - u_n\| \leq 2M^n\|\varphi\|/(2 - M)$ is the error estimation. The author applies his method to integral and integro-differential equations. He mentions Buny:kovskiy, and quotes Y. M. Molokovich ("Izv. vuzov", Matematika, 1956, No 5.) and E. A. Chernyshenko ("Ukr. matem. zh.", t VI, 1954, No 2.) There are 2 Soviet references.

ASSOCIATION: Institut matematiki im. V I Romanovskogo AN UzSSR (Institute of Mathematics imeni V. I. Romanovskiy, AS Uzbekskaya SSR)

SUBMITTED: April 4, 1961

Card 2/2

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

S/271/63/000/001/029/047
D413/D308

AUTHOR: Mosolov, B.G.

TITLE: A standard program for solving a system of ordinary differential equations by the Adams-Sterner method on the 'Ural-1' electronic computer

PERIODICAL: Referativnyy zhurnal, Avtomatika, telemekhanika i vychislitel'naya tekhnika, no. 1, 1963, 5, abstract 1B28 (In collection: Vopr. sovrem. fiz. i matem., Tashkent, AN UzSSR, 1962, 252-258)

TEXT: A system of ordinary differential equations of the first order is given: $y_o^1 = 1$; $y_i^1 = G_i(y_o, y_1, \ldots, y_n)$ with the initial conditions $y_o = t_o$, $y_i(t_o) = y_{i,o}$. Formulas are given for finding the successive values of the functions $f_{i,k}$ by the Adams-Sterner method. The value of the functions at the first four points (counting the initial one) is found with an accuracy to any ε. In the program, which is given in full as an annex to the paper, the

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

S/271/63/000/001/029/047
D413/D308

A standard program ...

value $\varepsilon = 10^{-8}$ is taken. The floating-comma program devised by the author provides for the solution of a system of up to 16 differential equations of the first order. The addresses for the start and finish of the program, libraries of standard sub-programs, and programs for computing the functions $f_{i,k}$ are indicated. Standard program cells are given. As an example, a system of four second-order differential equations is considered. The results of computation are presented in a table. 1 reference.
[Abstracter's note: Complete translation]

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

S/167/62/000/006/002/003
D234/D308

24 4300

AUTHORS: Tempel', F.G., Abutaliyev, F.B., Bukhantseva, R.S. and Mosolov, B.

TITLE: Some self-modeling problems of gas motion in a pipeline

PERIODICAL: Akademiya nauk UzSSR. Izvestiya. Seriya tekhnicheskikh nauk, no. 6, 1962, 35-40

TEXT: The authors give self-modeling solutions of the equations of motion for a semi-infinite pipeline for the case of constant pressure and that of constant flow rate at the beginning of the line. The self-modeling transformation is

$$\eta = \sqrt[3]{\frac{2a}{\beta 2}}\, xt^{-2/3} \qquad (5)$$

The solutions were obtained with the aid of a computer. Graphs and

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

Some self-modeling problems ... S/167/62/000/006/002/003
D234/D308

numerical results are given for several values of P_n/P_o. There are 3 figures.

ASSOCIATION: Institut matematiki AN UzSSR (Institute of Mathematics AS UzSSR)

SUBMITTED: June 21, 1961

/B

Card 2/2

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

MOSOLOV, B.G.

Approximate solution of operator equations by IU.D. Sokolov's method. Izv. AN Uz.SSR. Ser. fiz.-mat. nauk 7 no.5:26-29 '63. (MIRA 17:8)

1. Institut matematiki imeni Romanovskogo AN UzSSR.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

MOSOLOV, G., polkovnik, letchik-ispytatel' pervogo klassa, Geroy Sovetskogo Soyuza

On wings to outer space. Av. i kosm. 47 no.5:91-94 My '65. (MIRA 18:4)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

MOSOLOV, G., podpolkovnik, letchik-ispytatel'm Geroy Soverskogo Soyuza; KLIMOV, A., inzh.

Maneuvering airplane control. Av.i kosm. 45 no.10:48-54 '62. (MIRA 15:10)

(Airplanes—Controls)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

L 48597-65 EWT(d)/EWT(m)/EWP(w)/FA/EWP(v)/T-2/EWP(k)/EWP(h)/EWA(h) Pf-4/Pab
EM

ACCESSION NR: AP5012038 UR/0209/65/000/005/0091/0094

AUTHOR: Mosolov, G. (Colonel, Hero of Soviet Union, Test pilot first class) 31 30 B

TITLE: Into space on wings

SOURCE: Aviatsiya i kosmonavtika, no. 5, 1965, 91-94

TOPIC TAGS: aircraft, aircraft test, aeronautic personnel, aircraft industry/E-66 aircraft, E-166 aircraft

ABSTRACT: In an article on Mikoyan-designed aircraft, the author presents a brief, 25-year review of the Mig-type and "E"-type aircraft and, in several instances, compares these aircraft with similar contemporary aircraft from Western nations. Records set by G. Mosolov and K. Kokkinaki in E-66 aircraft and by G. Mosolov, A. Fedotov, and P. Ostapenko in E-166 aircraft are quoted. In another article, Mosolov discusses his experiences as a test pilot and his affiliation with an [unspecified] design group. He also mentions that Victor Yuganov and Girgoriy A. Sedov have been test pilots for Migs.

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L 48597-65
ACCESSION NR: AP5012038

COMMENT: Analysis of these two articles leads to two conclusions. The first is that the E-166 aircraft (listed in the 1964—65 Jane's as unidentified) is definitely a product of the Mikoyan design group. The other conclusion, from the second article, is that Mosolov (and very probably the others mentioned in connection with the second article) is directly (if not exclusively) affiliated with the Mikoyan design group in the capacity of test pilot. Orig. art. has 1 figure.

ASSOCIATION: none

SUBMITTED: 00 ENCL: 00 SUB CODE: AC

NO REF SOV: 000 OTHER: 000 ATD PRESS: 3246-F

Card 2/2

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

MOSOLOV, I.P.

Thermocouple plug for selecting spark plugs for engines. Avt.prom. 28 no.12:26 D '62. (MIRA 16:1)

1. Nauchno-issledovatel'skiy i eksperimental'nyy institut avtomobil'nogo elektrooborudovaniya i priborov.
(Spark plugs)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1"

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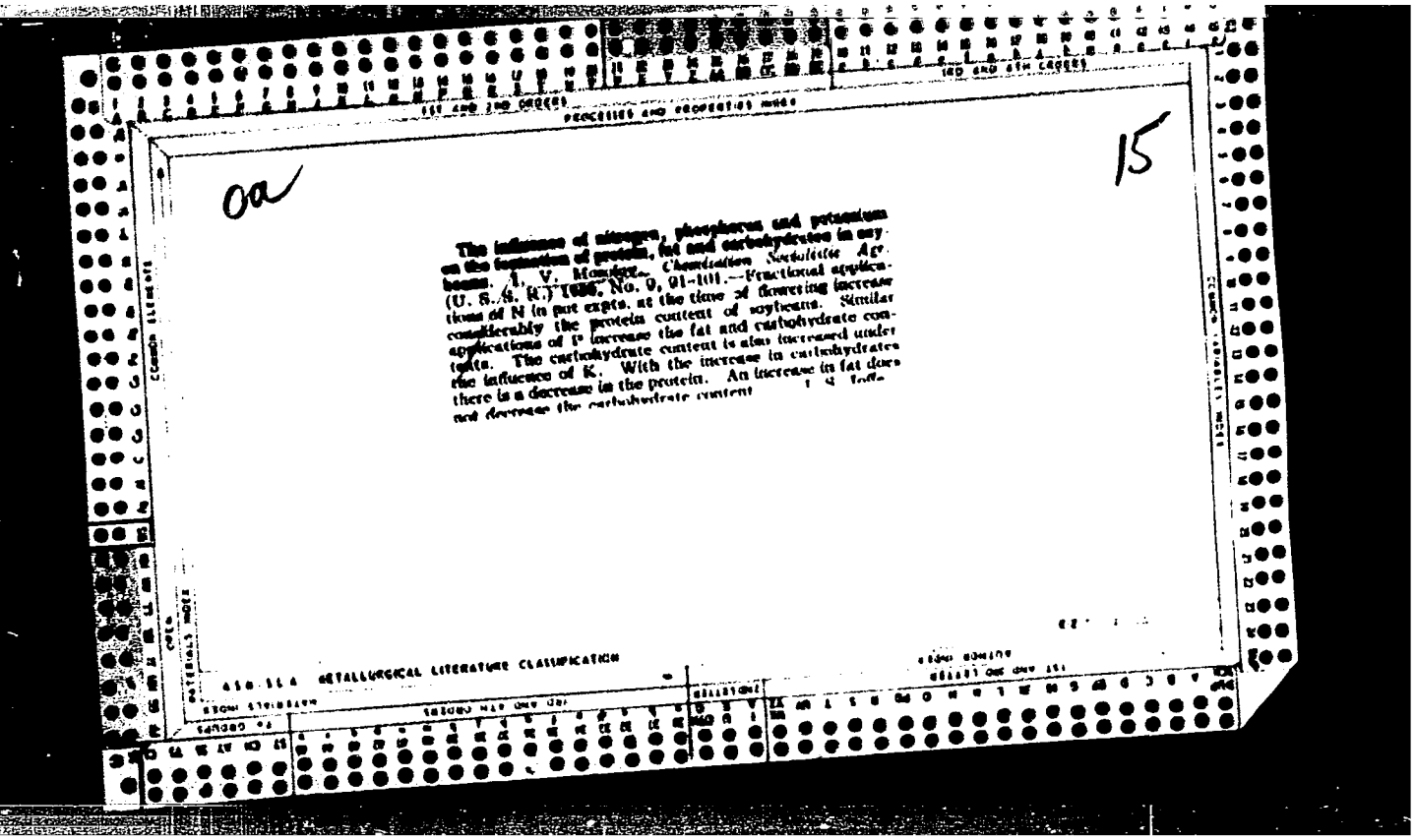

The influence of nitrogen, phosphorus and potassium on the formation of protein, fat and carbohydrates in soy beans. I. V. Mamigon. Chemization Socialiste Agr. (U. S. S. R.) 1936, No. 9, 91-101.—Fractional applications of N in pot expts. at the time of flowering increase considerably the protein content of soybeans. Similar applications of P increase the fat and carbohydrate contents. The carbohydrate content is also increased under the influence of K. With the increase in carbohydrates there is a decrease in the protein. An increase in fat does not decrease the carbohydrate content

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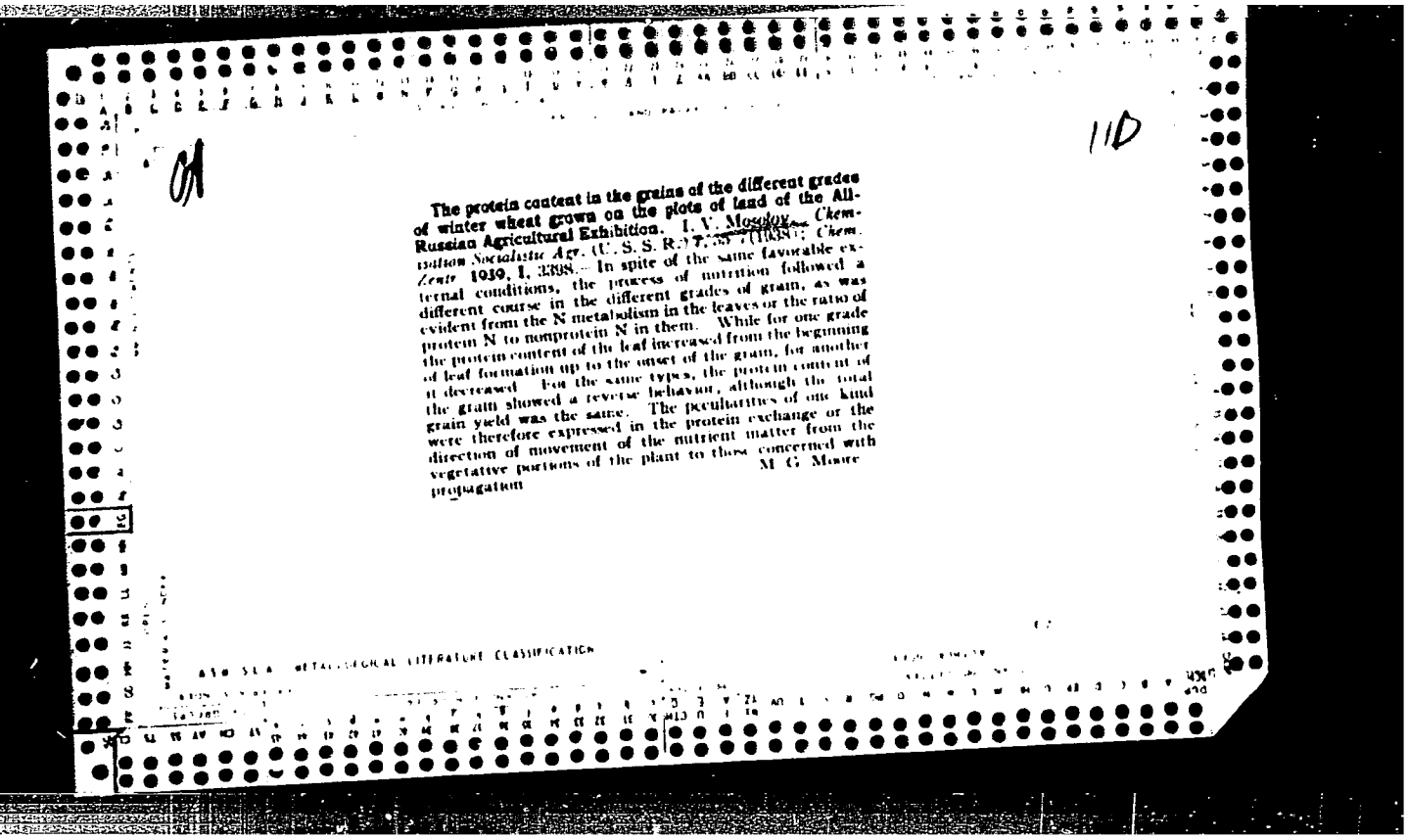

The protein content in the grains of the different grades of winter wheat grown on the plots of land of the All-Russian Agricultural Exhibition. I. V. Mosolov. *Chem-isation Socialistic Agr.* (U. S. S. R.) 7, 53–7 (1938); *Chem. Zentr.* 1939, I, 2388.—In spite of the same favorable external conditions, the process of nutrition followed a different course in the different grades of grain, as was evident from the N metabolism in the leaves or the ratio of protein N to nonprotein N in them. While for one grade the protein content of the leaf increased from the beginning of leaf formation up to the onset of the grain, for another it decreased. For the same types, the protein content of the grain showed a reverse behavior, although the total grain yield was the same. The peculiarities of one kind were therefore expressed in the protein exchange or the direction of movement of the nutrient matter from the vegetative portions of the plant to those concerned with propagation

M. G. Moore

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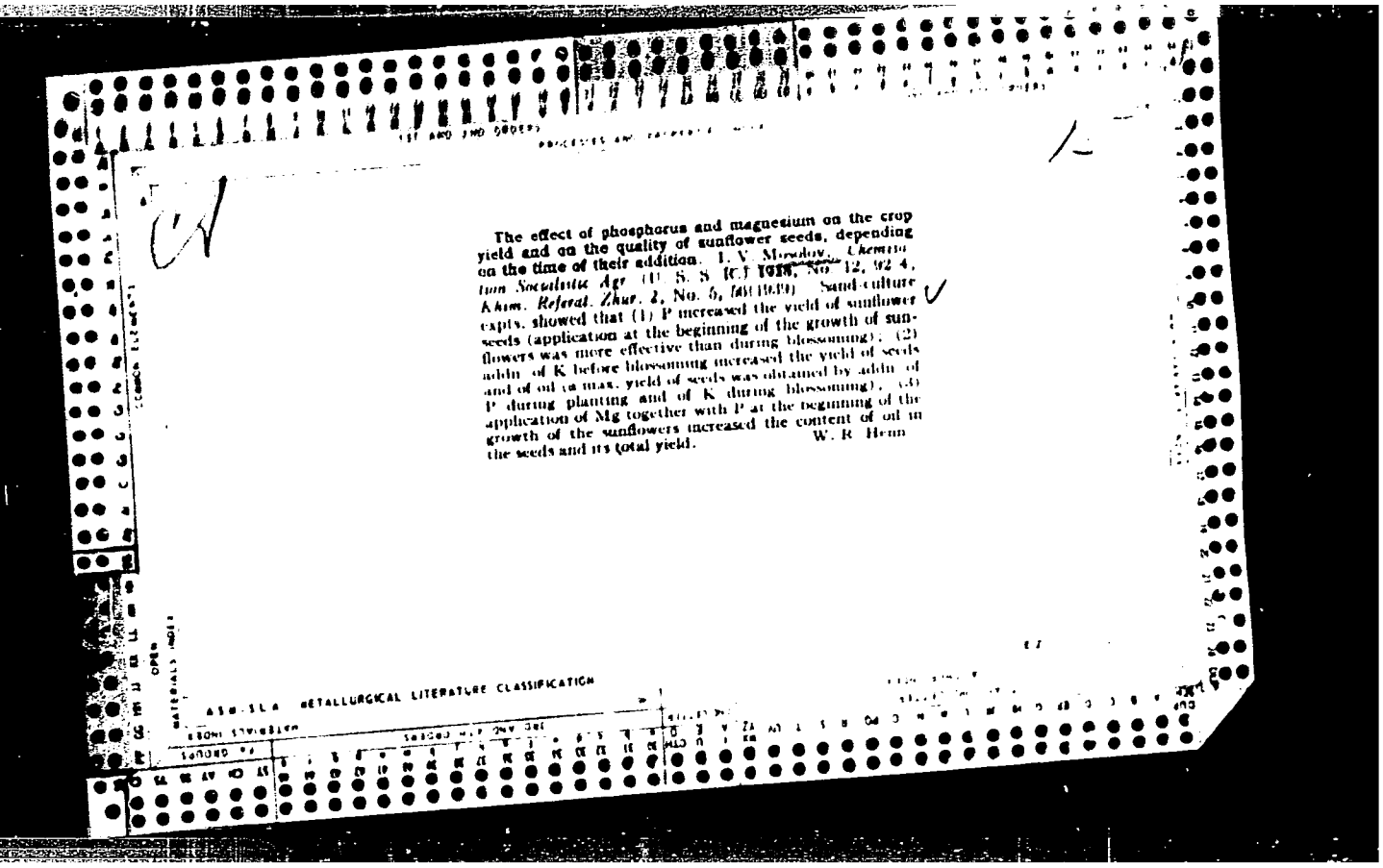

The effect of phosphorus and magnesium on the crop yield and on the quality of sunflower seeds, depending on the time of their addition. I. V. Mrodov. *Chemiza tion Socialistic Agr.* (U. S. S. R.) 1938, No. 12, 92-4; *Khim. Referat. Zhur.* 2, No. 5, 50(1939). Sand-culture expts. showed that (1) P increased the yield of sunflower seeds (application at the beginning of the growth of sunflowers was more effective than during blossoming); (2) addn. of K before blossoming increased the yield of seeds and of oil (a max. yield of seeds was obtained by addn. of P during planting and of K during blossoming); (3) application of Mg together with P at the beginning of the growth of the sunflowers increased the content of oil in the seeds and its total yield.

W. R. Henn

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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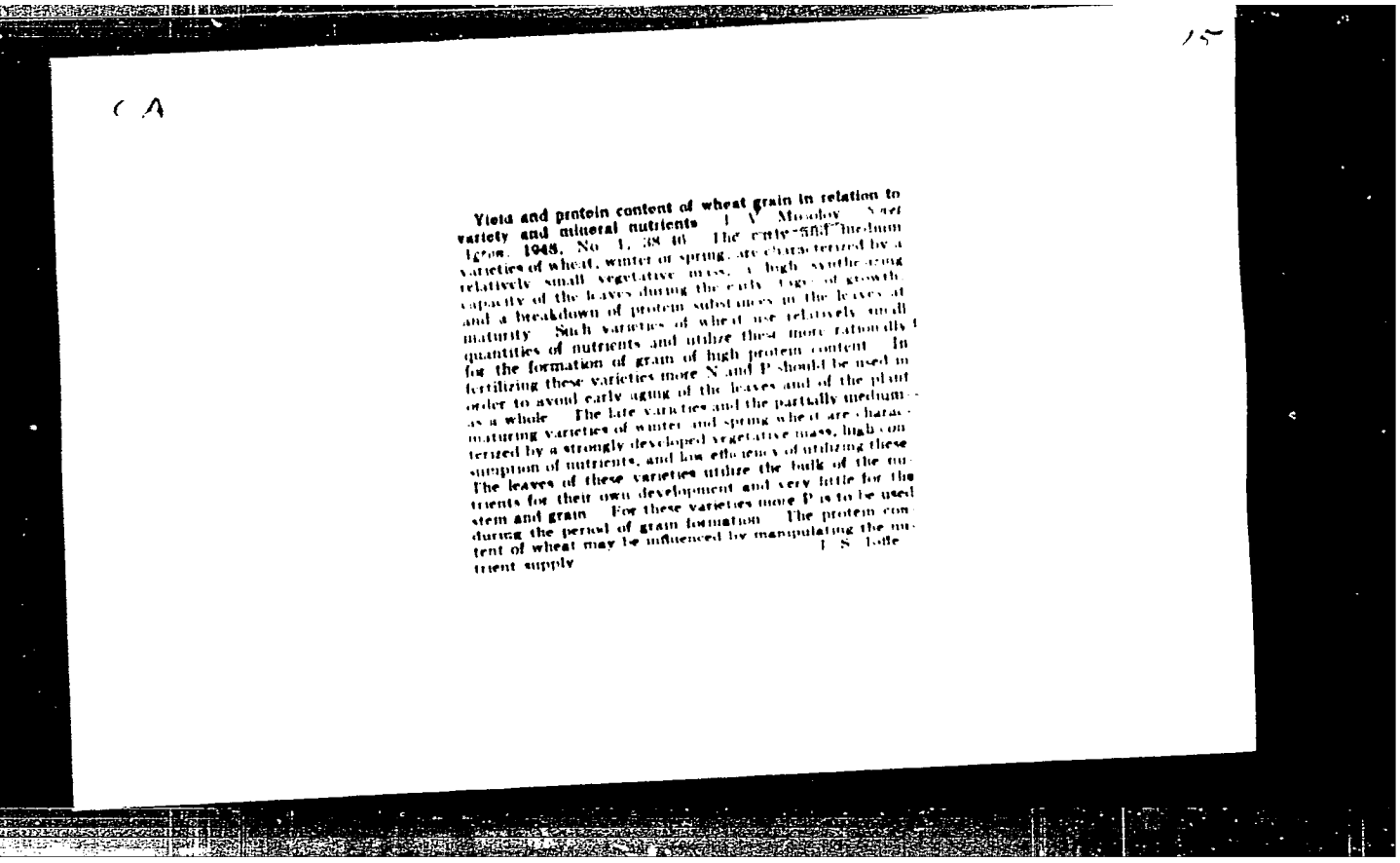

15

CA

Yield and protein content of wheat grain in relation to variety and mineral nutrients I. V. Mosolov. Agrobiologiya. 1948, No. 1, 38-46. The early-ripening, medium-ripening varieties of wheat, winter or spring, are characterized by a relatively small vegetative mass, a high synthesizing capacity of the leaves during the early stages of growth, and a breakdown of protein substances in the leaves at maturity. Such varieties of wheat use relatively small quantities of nutrients and utilize them more rationally for the formation of grain of high protein content. In fertilizing these varieties more N and P should be used in order to avoid early aging of the leaves and of the plant as a whole. The late varieties and the partially medium-maturing varieties of winter and spring wheat are characterized by a strongly developed vegetative mass, high consumption of nutrients, and low efficiency of utilizing these. The leaves of these varieties utilize the bulk of the nutrients for their own development and very little for the stem and grain. For these varieties more P is to be used during the period of grain formation. The protein content of wheat may be influenced by manipulating the nutrient supply. I. S. Jolle

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CA

11 D

Some peculiarities in the nitrogen metabolism by plants in the absence of copper in the soil. I. V. Mosolov. *Doklady Vsesoyuz. Akad. Sel'sko-Khoz. Nauk im. Lenina* 13, No. 6, 32-6(1948). Barley in pot expts. on peat with Cu added either as a spray or through the substratum gave the highest yield when the $CuSO_4$ was mixed with the peat. In the absence of Cu the synthetic processes in the plants prevail over the hydrolytic, causing a retardation of the development of regenerative organs. Under such conditions protein N accumulates in the leaves at the end of the growing season. Cu appears to be a direct component part of polyphenol oxidase and seems to regulate oxidation in plants. J. S. Joffe

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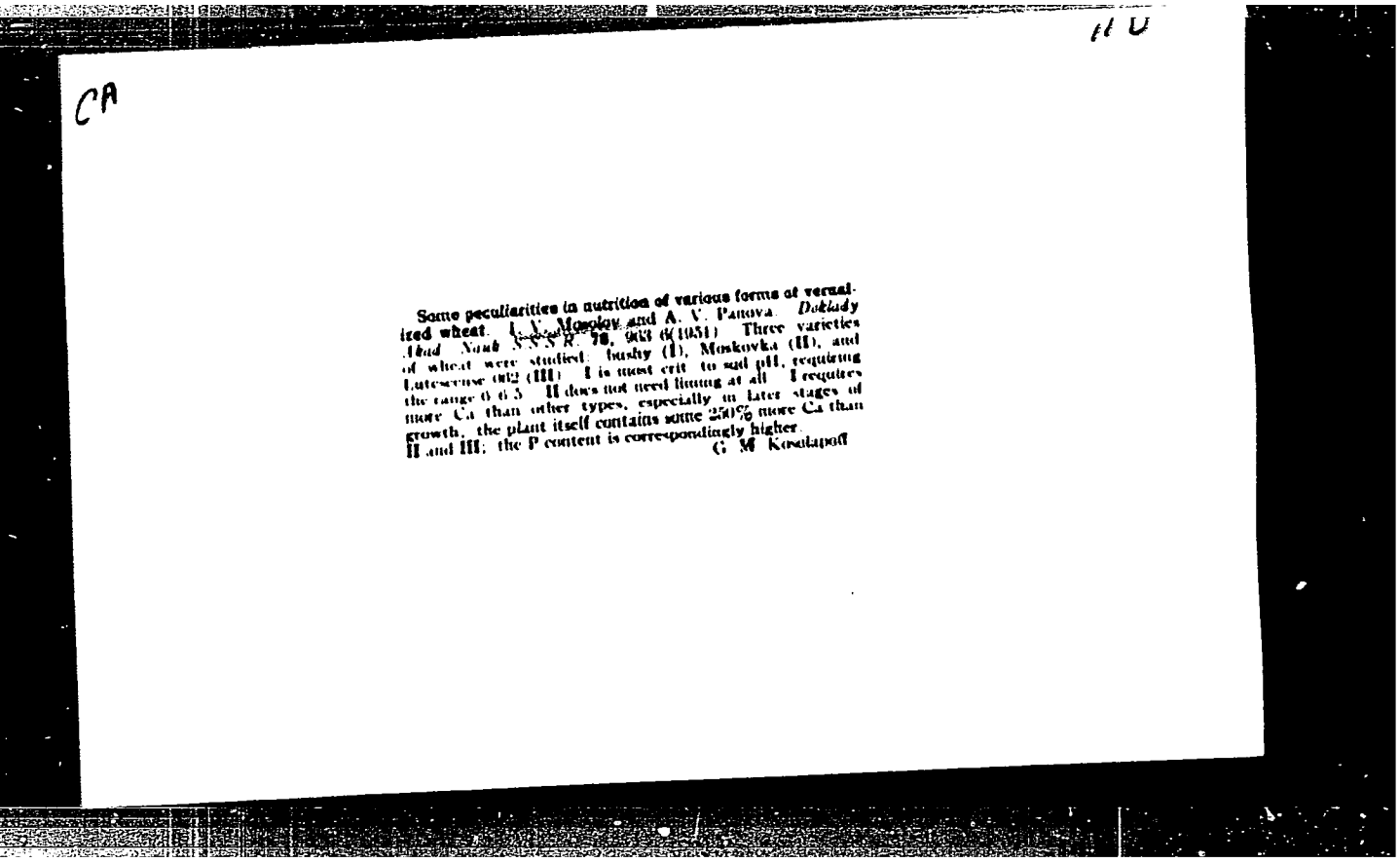

CA

Some peculiarities in nutrition of various forms of vernalized wheat. I. V. Mosolov and A. V. Panova. *Doklady Akad. Nauk S.S.S.R.* 78, 983-6(1951). Three varieties of wheat were studied: bushy (I), Moskovka (II), and Lutescense 062 (III). I is most crit. to soil pH, requiring the range 6.6-5. II does not need liming at all. I requires more Ca than other types, especially in later stages of growth, the plant itself contains some 250% more Ca than II and III; the P content is correspondingly higher.

G. M. Kosolapoff

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

MOSOLOV, L. P.

"The Number of Mass Species of Ixodid Ticks in the Rayoni of Moscow Oblast' and Their Importance in the Spread of Tularemia."

Tenth Conference on Parasitological Problems and Diseases with Natural Reservoirs, 22-29 October 1959, Vol. II, Publishing House of Academy of Sciences, USSR, Moscow-Leningrad, 1959.

Oblast' Sanitation and Epidemiological Station (Moscow)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

MOSOLOVA, Alevtina Vasil'yevna

[Gooseberries] Kryzhovnik. Leningrad, Lenizdat, 1960. 47 p. (MIRA 14:11)

(Gooseberries)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135410005-1

MOSOLOVA, E.S.

Fermentation processes in the rumen of sheep-receiving corn silage in their food ration. Zhivotnovodstvo 21 no.4:50-52 Ap '59. (MIRA 12:5)

1. Institut zhivotnovodstva Lesostepi i Poles'ya USSR.
(Sheep--Feeding and feeding stuffs) (Ensilage)

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