"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

VOBECKY, M., VASTALKA, A.

CSSR

Institute of Atomic Research, Czechoslovak Academy of Sciences, Rez nr.Prague

Prague, Collection of Czechoslovak Chemical Communications, No 3, 1963, pp 709-715

"Radio-chemical Isolations, II. Chromatographic Isolation of Rare Earths"

(2)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

KRACIK, B.; MILIGUI, Z.; BRABEC, V.; VEJS, M.; MASTALKA, A.; KUCAROVA, T.

Decay of Sm^{155}. Chekhosl fiz zhurnal 13 no.1:79-83 '63.

1. Ustav jaderneho vyzkumu, Ceskoslovenska akademie ved, Rez.
2. On leave from the United Arab Republic (for Miligui).

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

L 56705-65 EWP(t)/EWP(b) Peb DIAAP/IJP(c) JD/JG

ACCESSION NR: AP5018830 CZ/0038/64/010/008/0292/0292

AUTHOR: Frana, Jiri (Frana, Y.); Rezanka, Ivo (Rzhezanka, I.); Vobecky, Milos (Vobetskiy, M.); Mastalka, Antonin (Mashtalka, A.)

TITLE: Spectrum of lanthanum isotopes deficient in neutrons with a half life of about 5 hours

SOURCE: Jaderna energie, v. 10, no. 8, 1964, 292

TOPIC TAGS: lanthanum, radioisotope, spectroscopy

Abstract: Spectra of gamma isotopes La 132 and La 133 were measured. They have approximately identical half lives; they were obtained by splitting a Ta target with protons of 660 MeV. Measurements on a scintillation spectroscope showed about 30 transitions (with a maximum energy 3625 keV and T 1/2 = 5.0 ± 0.2 Hours. Energies and intensities of transitions are listed. The article is an abstract of Report UJV No 1017/64.

ASSOCIATION: Ustav jaderneho vyzkumu CSAV, Rez (Institute for Nuclear Research CSAV)

Card 1/2

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

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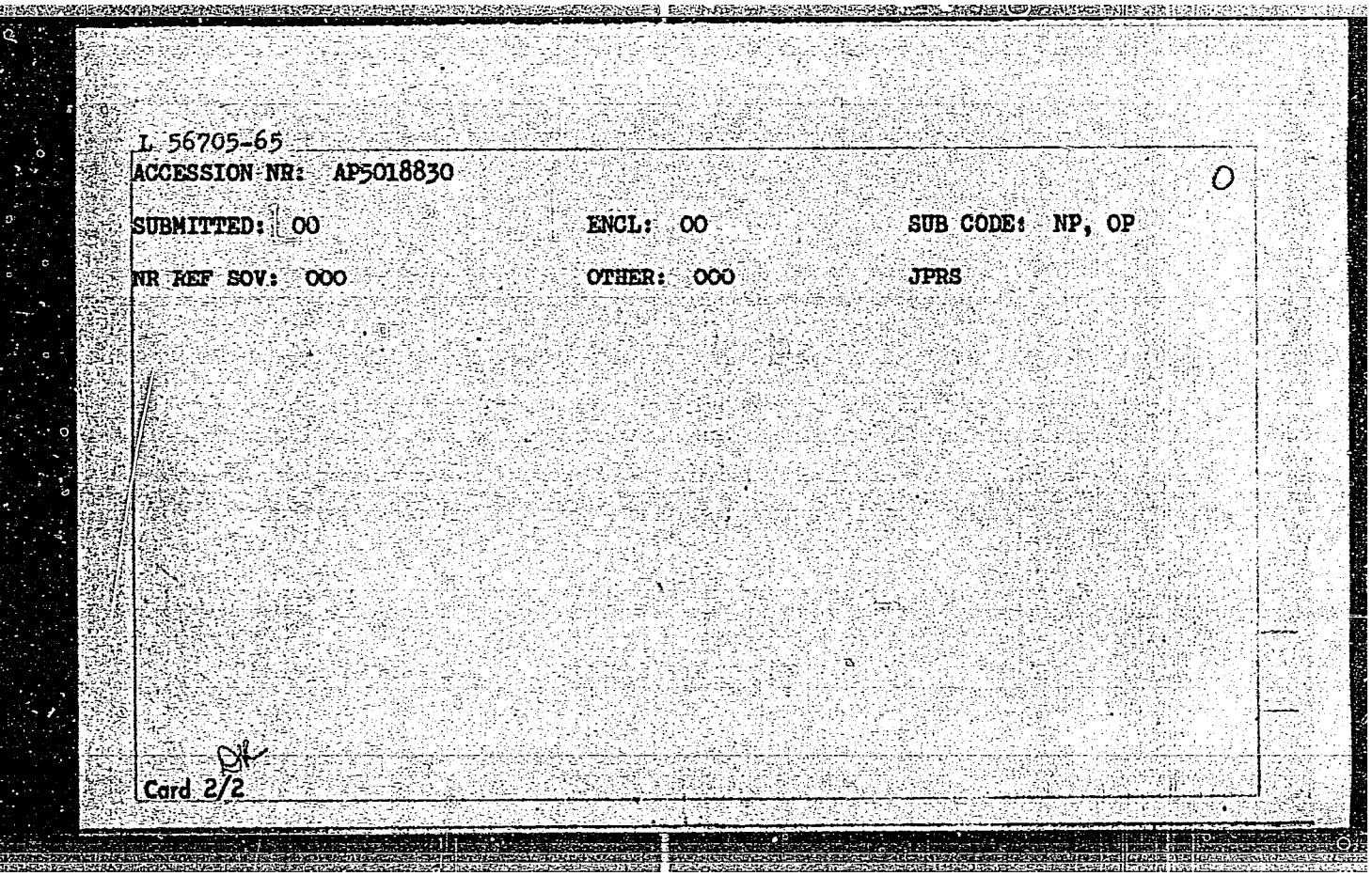

L 56705-65

ACCESSION NR: AP5018830 O

SUBMITTED: 00 ENCL: 00 SUB CODE: NP, OP

NR REF SOV: 000 OTHER: 000 JPRS

Card 2/2

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

FRANA J.; REZANKA, I.; VOBECKY,M.; MASTALKA, A.

γ-spectrum of neutron-deficient La isotopes of $T_{1/2} \sim 5$ hours. Chekhosl fiz zhurnal 14 no.8:652-653 '64

1. Institute of Nuclear Research, Czechoslovak Academy of Sciences, Rez.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

CZECHOSLOVAKIA

MASTALKA, A.

VOBECKY, M; MASTALKA, A; MARECEK, J

1. Institute of Nuclear Research, Czechoslovak Academy of Sciences, Rez near Prague - (for ?); 2. Research Institute of Inorganic Chemistry, Usti nad Labem - (for ?)

Prague, Collection of Czechoslovak Chemical Communications, No 8, August 1966, pp 3309-3314

"Determination of lanthanides in uranium by activation analysis."

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

L 29644-66 EWP(t)/ETI IJP(c) JD/JG
ACC NR: AP6020145 SOURCE CODE: CZ/0008/65/059/012/1446/1449

AUTHOR: Mastalka, Antonin

ORG: Institute for Nuclear Research, CSAV, Rez (Ustav jaderneho vyzkumu CSAV)

TITLE: Determination of tantalum in mineralogical materials

SOURCE: Chemicke listy, v. 59, no. 12, 1965, 1446-1449

TOPIC TAGS: spectrographic analysis, tantalum, neutron beam, chromatography, scintillation spectrometer, hydrofluoric acid, mineralogy

ABSTRACT: Spectrographic analysis of Ta is based on comparing the investigated sample to a set of samples arranged into a scale. For this purpose the Ta content of the calibrated samples must be determined accurately. The author describes a calibration method based on subjecting these samples to an irradiation by a beam of 10^{13} neutrons $cm^{-2} sec^{-1}$ for 100 hours. The mineralogical material analyzed is dissolved in hydrofluoric acid, and the solution absorbed on a chromatographic column, elutriated and Ta determined in the elutriation solution. The spectra are measured by a scintillation spectrometer with a multichannel analyser. A single NaI crystal serves as a detector. 10^{-3}% can be determined by 100-hour irradiation. Reliable results are obtained with as little as 10^{-4}% Ta. Orig. art. has: 2 figures and 1 table. [JPRS]

SUB CODE: 08, 20, 18 / SUBM DATE: 03Jul64 / OTH REF: 006

Card 1/1

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

MASTALKA, J., Dr

Documentation in an industrial district. Prakt. lek., Praha 34 no.11:250 5 June 54.

1. Zavodni lekar, Agrostroj, Jicin.
(RECORDS, MEDICAL,
in Czech., pub. health records in indust. districts)
(PUBLIC HEALTH,
in Czech., pub. health records in indust. districts)
(INDUSTRY AND OCCUPATIONS,
in Czech., pub. health records in indust. districts)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

SADYKHOV, Rza Hadzhaf Kuli ogly; MASTAN-ZADE, S.Z., redaktor; AL'TMAN, T.B., redaktor izdatel'stva.

[Studies of masonry walls and spans built of Azerbaijani limestone] Issledovanie kamennykh sten i perekrytii iz izvestniakov Azerbaidzhana. Baku, Azerbaidzhanskoe gos.izd-vo neft.i nauchno-tekhn.lit-ry, 1957. 201 p. (MIRA 10:11)

(Walls)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

MASTARIENE, N.

Modification of protein fractions in the blood serum in subacute septic endocarditis. Sveik. apsaug. 7 no.8:26-30 '62.

1. Kauno Valst. medicinos instituto hospitalines terapijos katedra. Katedros vedejas -- prof. Z. Januskevicius.
(BLOOD PROTEINS) (ENDOCARDITIS SUBACUTE BACTERIAL)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

MASTARIENE, N.

Some hematological, biochemical, bacteriological and immunological indices in rheumatism and subacute bacterial endocarditis. Sveik. apsaug. no.11:12-18 '62.

1. Kauno Valstybinio medicinos instituto hospitalines terapijos katedra. Katedros vedejas -- prof. Z. Januskevicius.
(ENDOCARDITIS) (RHEUMATISM) (BLOOD SEDIMENTATION)
(BLOOD PROTEINS) (ENZYME TESTS) (ANTISTREPTOLYSIN)
(SUBACUTE BACTERIAL)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

MASTAUSKIS, St.

"Phytonomatodes of the Lithuanian SSR." Cand Agr Sci, Lithuanian Agricultural Academy, Min Higher Education USSR, Kaunas, 1955. (KL, No 14, Apr 55)

SO: Sum. No. 705, 2 Nov 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (16).

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

MASTAUSKIS, S.

Stem and bulb eelworm (Ditylenchus dipsaci (Khün, 1858)) in clover, serradella, buckwheat, and rye. Trudy probl. i tem. soveshch. no.3:196-197 '54. (MLRA 8:5)

1. Litovskaya sel'skokhozyaystvennaya akademiya.
(Nematoda) (Forage plants--Diseases and pests)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

USSR/General and Special Zoology. Insects P

Abs Jour : Ref Zhur - Biol., No 6, 1958, No 25792

Author : Nestruksis S.
Inst : Not Given
Title : Pests of Green Plantings and Their Control. (Vrediteli zelenykh nasazhdeniy i bor'ba s nimi.)

Orig Pub : V sb.: Materialy 1-go resp. soveshchaniya po zelenomu str-vu, Vil'nyus, Gos.-zhurn. izdat-vo, 1957, 94-97

Abstract : No abstract

Card : 1/1

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

MASTAUSKIS, S.

Conserning Aradus cinnamomeus Pz. of pines and dust. p.13

MUSU GIRIOS (Mislu ukio ir musko pramones ministerija ir Gemtos apsaugos komitetas prie Ministru tarybos)
Vol 10, Oct. 1959
Vilnius, Poland

Monthly List of East European Accession (EEAI) LC, vol. 9, no.1, Jan.1960

Uncl.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

MA[illegible], S., Doc Biol Sci -- "Fauna of invertebrate pests of agr[illegible] crops, grain reserves, and [illegible] in the Lithuanian S.S.R." [illegible], (State Committee of Higher and Secondary Specialized education under the Council of Ministers of the Lithuanian S.S.R. [illegible]) (KL, 1-71, 1[illegible]

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

MASTAUSKIS, St.; SADAUSKAITE, A., red.; CECYTE, V., tekhn. red.

[Protecting field crops from pests] Lauko kulturu apsauga nuo kenkeju. Treciasis pataisytas ir papildytas leidimas. Vilnius, Valstybine politines ir mokslines literaturos leidykla, 1961. 181 p. (MIRA 15:3)

(Field crops—Diseases and pests)
(Spraying and dusting in agriculture)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

MINKEVICIUS, A., glav. red.; KRIAUCIUNAS, J., red.; MASTAUSKIS, St., red.; SLAUTA, V., red.; STRUKCINSKAS, M., red.; ZAJANCKAUSKAS, P., red.; ZIEVYTE, Z., red.; SADAUSKAITE, A., red.; SARKA, S., tekhn. red.

[Practices in controlling plant diseases, pests, and weeds]Praktiskos kovos priemones pries augalu ligas, kenkejus ir piktzoles; straipsniu rinkinys. Vilnius, Valstybine politines ir mokslines literaturos leidykla, 1962. 165 p. (MIRA 16:3)

1. Lietuvos TSR Mokslu Akademija, Vilna. Botanikos institutas. (Lithuania--Plant, Protection of)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

MASTAUSKIS, St.

Contribution to the knowledge of diffusion of Heterodera Schachtii Schm. in Poland toward the end of the 19th century. Postepy nauk roln 9 no.4:127-128 Jl-Ag '62.

1. Kierownik Katedry Zoologii-Entomologii Litewskiej Akademii Rolniczej, Kowno.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

MASTBAUM, I. S.

42725. MASTBAUM, I. S. Klinika I Diferentsial'naya Diagnostika Parasagittal'nykh Gliom. Vrachebn. Delo, 1948, No 11, STR. 993-96.

SO: Letopis' Zhurnal'nykh Statey, Vol. 7, 1949

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

1. GUREVICH, G. M., PROF., MASTBAUM, I. S.

2. USSR (600)

4. Hypnotism in Surgery

7. Psychotherapeutic method of preoperative preparation. Khirurgiia no. 10, 1952.

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

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

MASTBAUM, I. S.

PA 228T17

USSR/Medicine - Hypnotic Sleep Oct 52

"Psychotherapeutic Method of Preoperative Preparation," by [illegible] M. Gurevich, I. S. Mastbaum, Sch[illegible]. Khar'kov Stomatol Inst

"Khirurgiya" No [illegible] pp 12-16

Advocates hypnotic treatment of patients in surgical practice. Explains this method as a passive inhibition of the central nervous system. Describes clinical cases in which operations were performed under local anesthesia, after a hypnotic preoperative treatment. Suggests further

228T17

research and experimentation on the use of hypnosis in medical practice, especially in deep sleep continuing after the operation. Describes successful treatment of phantom limb pain.

228T17

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

MASTBAU, I.S;REZNITSKAYA, M. P.

Accessory pancreas. Vest. khir. Grekova, Leningr. 72 no.2:54-55 Mar-Apr 1952. (CLML 22:2)

1. Of Surgical Clinic (Head -- Prof. G. M. Gurevich), Khar'kov Stomatological Institute (Director -- P. V. Vlasenko), located at 20th Khar'kov Municipal Hospital (Head Physician -- Honored Physician M. Ya. Sukharev).

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

VYAZOVSKAYA, R.D., MASTBAUM, I.S., SIMON, I.B. (Khar'kov)

Histochemical method of cholinesterase determination. Arkh.pat. 18 no.3:114-116 '56 (MIRA 11:10)

1. Iz otdela khimii gormonov (zav. -kandidat khimicheskikh nauk I.B. Simon) i otdela gistofiziologii (zav. - prof. B.V. Aleshin) Ukrainskogo instituta eksperimental'noy endokrinologii i kafedry khirurgicheskikh bolezney Khar'kovskogo meditsinskogo stomatologicheskogo instituta.

(CHOLINESTERASE, determ.
in thyroid gland tissue of men & rabbits, new method (Rus))
(THYROID GLAND, metab.
cholinesterase, determ. in thyroid gland tissue of man & rabbits, new method (Rus))

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

MASTBAUM, I.S.

Significance of shock in the pathogenesis of experimental sepsis. Biul. eksp. biol i med. 41 no.2:36-38 F '56 (MLRA 9:6)

1. Iz kafedry khirurgicheskikh bolezney (zav.-prof. G.M. Gurevich) i kafedry mikrobiologii (zav.-prof. S.L. Utevskaya) Khar'kovskogo meditsinskogo stomatologicheskogo instituta (dir. P.V. Vlasenko) Predstavlena deystvitel'nym chlenom AMN SSSR I.G. Rufenovym.

(SEPTICEMIA AND BACTEREMIA, experimental, eff. of shock (Rus))
(SHOCK, experimental, in septicemia, pathogen. role (Rus))

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

VYAZOVSKAYA, R.D., MASTBAUM, I.S., SIMON, I.B.

To Professor I.V. Davydovskii, active member of the Academy of Medical Sciences of the U.S.S.R. and editor of "Arkhiv patologii."
Arkh.pat. 20 no.8:81-84 '58 (MIRA 11:9)
(CHOLINESTERASE)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

MASTRAUM, I.S., dots.

Intrathyroid innervention and some problems in the surgical treatment of thyrotoxicosis. Vrach. delo no.1:55-59 '59.
(MIRA 12:4)

1. Kafedra khirurgicheskikh bolezney (zav. - zasl. deyatel' nauki, prof. G.M. Gurevich) Khar'kovskogo meditsinskogo stomatologicheskogo instituta i otdel gistofiziologii (zav. - zasl. deyatel' nauki, prof. B.V. Aleshin) Ukrainskogo instituta eksperimental'noy endokrinologii.
(THYROID GLAND--DISEASES)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

MASTRAUM, I.S., dotsent

Treatment of gastric and duodenal ulcer with bikaline. Vrach. delo no.7:34-37 '60. (MIRA 13:7)

1. Kafedra khirurgii (zaveduyushchiy - zaslushennyy deyatel' nauki, prof. G.M. Gurevich) Khar'kovskogo meditsinskogo stomatologicheskogo instituta.

(PEPTIC ULCER)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

MASTBAUM, I.S.

Morphology of the thyroid gland and the clinical and morphological parallelism in thyrotoxicosis. Trudy Ukr.nauch.-issl.inst. eksper.endok. 18:61-70 '61. (MIRA 16:1)

1. Iz otdela gistofiziologii Ukrainskogo instituta eksperimental'noy endokrinologii i kafedry khirurgicheskikh bolezney Khar'kovskogo meditsinskogo stomatologicheskogo instituta.
(THYROID GLAND--DISEASES)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

MASTBAUM, I.S.

Diagnosis of thyrotoxicosis. Trudy Ukr. nauch.-issl. inst. eksper. endok. 19:275-285 '64. (MIRA 18:7)

1. Iz otdela gistofiziologii Ukrainskogo instituta eksperimental'noy endokrinologii i kafedry khirurgii Khar'kovskogo gosudarstvennogo meditsinskogo stomatologicheskogo instituta.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

MASTBAUM, I.S., dotsent

Clinical aspects and the mechanism of the development of acute postoperative state in thyrotoxicosis patients. Khirurgiia 40 no.12:68-73 D '64. (MIRA 18:3)

1. Kafedra khirurgicheskikh bolezney (zav.- prof. G.M. Gurevich) Khar'kovskogo meditsinskogo stomatologicheskogo instituta.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

MASTBAUM, M.I., AL'BOVA, G.Ye.

Diagnostic value of jejunal catherization. Sovet. med. 17 no.11:16-17 Nov 1953. (CIML 25:5)

1. Professor for Mastbaum. 2. Of the Institute of Experimental and Clinical Medicine (Director -- A. Ya. Reyman), Academy of Sciences Estonian SSR.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

MASTACHENKO, V.N., kand. tekhn. nauk, dotsent

Design of prestressed elements for the local concentrated effects of squeezing stresses. Trudy MIIT no.152:54-68 '62. (MIRA 16:6)

(Prestressed concrete—Testing)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

POLAND

SUCHSKI, Przemyslaw and MAJTALERSKI, Jerzy, Neurological Division (Oddzial Neurologiczny) (Director: Dr. Bolesław ROGULSKI), First District Military Hospital (I Wojskowy Szpital Okręgowy) in Warsaw

"Differential Diagnosis in Traction Injuries of Brachial Plexus."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 36, 2 Sep 63, pp 1349-1352

Abstract: [Authors' English summary] Authors describe three cases of traction injury of brachial plexus with avulsion of nerve roots. Myelography was carried out in all cases, and the histamine test (after Bonney) in two. Authors discuss the value of the various criteria in establishing the site of the lesion in such cases, with myelographic demonstration of the root avulsion being the most valuable diagnostic aid. 11 references: one in German, all others Western.

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

VOBECKY, M.; MASTALKA, A.; VOJTECH, O.

Radiochemical isolations. Pts. 2-3. Coll Cz Chem 28 no.3:709-715, 743-745 Mr '63.

1. Institut fur Kernforschung, Tschechoslowakische Akademie der Wissenschaften, Rez bei Prag.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

MASTELEK, H.

A machine for the centrifugal casting of waste pipes. p. 1[illegible].

([illegible]. Vol. 2, [illegible], May 1957. Warszawa, Poland)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. [illegible], No. 10, October 1957. Unclassified.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

15A

~~CA~~ MASTEN, V.

Control of the San Jose scale in Yugoslavia. Vilko Mastrilo. *Zaštita Bilja* (Plant Protect., Beograd) No. 8, 70-92(1951) (English summary) Results are given for dinitro-o-cresolate, various petroleum oil preps., coal tar emulsion, nicotine sulfate, and parathion S. J. H.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

CZECHOSLOVAKIA/General and Special Zoology. Insects. I
Insect and Mite Pests. Fruit and
Berry Crop Pests.

Abs Jour : Ref Zhur-Biol., No 20, 1958, 92255

Author : Maston, V.
Inst : -
Title : Dangerous Pests and Diseases of the Raspberry.

Orig Pub : Sadijar., vinr., vrtnar., 1957, 4, No 6, 185-189

Abstract : Description of the biology of the raspberry gall midge (Thomasiniana theobaldi) and the nature of the damage caused by it to the raspberry is presented. Also described are control measures with the aid of DDT, E-605,

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

CZECHOSLOVAKIA/General and Special Zoology. Insects. P
Insect and Mite Pests. Fruit and
Berry Cr[illegible] Pests.

Abs Jour : Ref Jour-Biol., No 20, 1958, 92255

systoxis, metasystoxis, and other organic phosphorus preparations. Among the diseases of the raspberry in Slavonia the withering of the raspberry (disease agent is Didymella applanata) is of the greatest significance.

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

CHAZOVA,G.; MASTENITSA, E.

Effect of some antibiotics on Leptospira. Trudy Tom NIIVS 12:70-72'60 (MIRA 16:11)

1. Nauchnyy studentcheskiy kruzhok pri kafedre mikrobiologii Tomskogo meditsinskogo instituta.

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MASTENITSA, M. A.

"On the Laboratory diagnosis of Q fever," was a report given at an intepoblast scientific-practical conference on problesm of laboratory diagnosis in infectious diseases was held at the Tomsk Scientific Reasearch Institute of Vaccines and Sera, 12- 16 March 1956.

SUM: 1360 p. 237

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

MASTENITSA, M.A.

PHASE I BOOK EXPLOITATION SOV/4146

Tomsk. Nauchno-issledovatel'skiy institut vaktsin i syvorotok

Trudy, tom 11 (Transactions of the Tomsk Scientific Research Institute of Vaccines and Serums, Vol. 11) Tomsk, Izd-vo Tomskogo univ-ta, 1960. 327 p. 1,700 copies printed.

Editorial Board: B.G. Trukhmanov (Resp. Ed.) Director of the Tomsk Scientific Research Institute of Vaccines and Serums; S.P. Karpov (Deputy Ed.) Professor; Ye. I. Kleytman (Secretary); M.A. Mastenitsa; and V.M. Popov (Deceased); Tech. Ed.: A.T. Gaevskiy.

PURPOSE: This collection of articles is intended for biologists, physicians, and medical personnel.

COVERAGE: The collection contains 18 papers on problems of epidemiology and microbiology and 35 reports on the theory and practice of immunology. To avoid repetition of names of organizations in the table of contents the following affiliations will be abbreviated: Tomskiy nauchno-issledovatel'skiy institut vaktsin i syvorotok (Tomsk Scientific Research Institute of Vaccines and Serums) as "Tomsk Institute"; Tomskiy meditsinskiy institut as "Tomsk Medical Institute"; Kafedra mikrobiologii Tomskogo meditsinskogo instituta (Department of Microbiology of the Tomsk Medical Institute) as "Tomsk Department of Microbiology."

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KARPOV, S.P.; MASTENITSA, M.A.; MINKEVICH, I.A. [deceased]; SELEZNEVA, A.A.; IGOLKIN, N.I.

Q fever in Western Siberia. Trudy TomNIIVS 11:91-96 '60. (MIRA 16:2)

1. Tomskiy nauchno-issledovatel'skiy institut vaktsin i syvorotok i Tomskiy meditsinskiy institut.
(SIBERIA, WESTERN—Q FEVER)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

MASTENITSA, M.A. ; KOROLENKO, G.A.

Study of the etiological structure of influenza in Tomsk.
Trudy Tom NIIVS 12:96-100 '60 (MIRA 16:11)

1. Tomskiy nauchno-issledovatel'skiy institut vaktsin i syvorotok.

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

MASTENITSA, M.A.; KOROLENKO, G.A.; BELOVA, F.S.

Materials on the study of the 1957 influenza outbreak in Tomsk. Trudy Tom NIIVS 12:101-10[illegible]'60 (MIRA 16:11)

1. Tomskiy nauchno-issledovatel'skiy institut vaktsin i syvorotok, i Tomskiy meditsinskiy institut.

*

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

MASTENITSA, M.A.; KOROLENKO, G.A.; YELABUGINA, L.V.; GUMENNAYA, G.R. IZRAILEVA, G.I.; KORZEVA, V.S.

Epidemiological and virological characteristics of the 1959 influenza outbreak in Prokop'yevsk. Trudy Tom NIIVS 12: 106-110 '60 (MIRA 16:11)

1. Tomskiy nauchno-issledovatel'skiy institut vaktsin i syvorotok, Kemerovskaya oblastnaya sanitarno-epidemiologicheskaya stantsiya i Prokop8yevskaya gorodskaya sanitarno-epidemiologicheskaya stantsiya.

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

YASTREBOV, A.F.; MASTENITSA, M.A.; KOLDOMOV, M.V.; KORCLENKO, G.A.
RAGOZINA, T.T.; VILENCHIK, R.Yu.

Lung diseases of adenoviral nature in Pavlovsk District, Altai Territory. Trudy TomNIIVS 14:60-64 '63. (MIRA 17:7)

1. Tomskiy nauchno-issledovatel'skiy institut vaktsin i syvorotok i Altayskiy krayevoy otdel zdravookhraneniya.

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

MASTENITSA, M.A.; KSENOFONTOVA, P.D.; KOROLENKO, G.A.; KAZANKOVA, A.Ye.

Study of the effect of meteorological factors on the incidence of influenza and acute catarrhs of the upper respiratory tracts. Trudy TomNIIVS [illegible] (MIRA 17:7)

1. Tomskiy nauchno-issledovatel'skiy institut vaktsin i syvorotok. Tomskiy meditsinskiy institut i Tomskaya gorodskaya sanitarno-epidemiologicheskaya stantsiya.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

KICHIGIN, A.F.; MASTER, A.A.; PESIN, N. Ya.; POLOVNEV, G.P.

Economic efficiency of introducing the "Karagandinets-P" rock cutter-loader. Nauch. trudy KNIUI no.13:369-374 '64
(MIRA 18:1)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

IVANCHENKO, G.Ye.; PESIN, N.Ya., BEVZIK, Yu.Ya. [deceased]; SHUMOV, M.S.; MASTER, A.A.; POLOVNEV, G.F.

Technology of wide benching and its economic efficiency. Nauch. trudy KNIUI no.14:372-383 '64. (MIRA 18:4)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

MASTER, Abram Zinov'yevich; VAL'SHTEYN, G., redaktor; KIRPICHNIKOV, V., redaktor; OYSTRAKH, V., tekhnicheskiy redaktor

[High labor productivity in mines on a 24-hour schedule] Vysokaia proizvoditel'nost' truda na shakhte sploshnoi tsiklichnosti. Alma-Ata, Kazakhskoe gos. izd-vo 1956. 39 p. (MLRA 9:10)
(Coal mines and mining)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

ALTAYEV, Sh.A., kand.tekhn.nauk; POLOZHIY, F.M.; MASTER, A.Z.; ZHISLIN, I.M.; SHAPOSHNIKOVA, I.I.; NABOKIN, V.F.; MAKSIMOVA, A.I.; BOYKO, A.A., red.; LERNER, B.I., red.; MIROSHNICHENKO, V.D., red. izd-va; LOMILINA, L.N., tekhn. red.

[Karaganda coal basin; reference book] Karagandinskii ugol'nyi bassein; spravochnik. Pod obshchei red. A.A.Boiko i B.I. Lernera. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po gornomu delu, 1962. 367 p. (MIRA 15:3)

1. Karagandinskiy khimiko-metallurgicheskiy institut Akademii nauk Kazakhskoy SSR (for Altayev). 2. Karagandinskiy sovnarkhoz (for Polozhiy, Master, Zhislin, Shaposhnikova). 3. Kombinat Karagandaugol' (for Nabokin). 3. Karagandinskiy nauchno-issledovatel'skiy ugol'nyy institut (for Maksimova).
(Karaganda Basin--Coal mines and mining)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

PESIN, N.Ya.; MASTER, A.A.; SELYUKOV, V.P.; LYDPL'SHTEYN, I.A.; [illegible], A.

Analysis of the degree of difficulty in development operations in Karaganda Basin mines. Nauch. trudy KNIUI no.14:464-480 [illegible].
MIRA 18:4

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

ALEKHIN, F.K.; ALOTIN, L.M.; ALTAYEV, Sh.A.; ANTONOV, F.Ye.; BEVZIK, Yu.Ya.; BELEN'KIY, D.M.; BRATCHENKO, B.F., gornyy inzh.; BRENNER, V.A.; BYR K.., V.F.; VAL'SHTEYN, G.I.; YERMOLENOK, N.S.; ZHISLIN, I.M.; IVANOV, V.A.; IVANCHENKO, G.Ye.; KVON, S.S.; KODYK, G.T.; KREMENCHUTSKIY, N.F.; KURDYAYEV, B.S.; KUSHCHANOV, G.K.; MASTER, A.Z.; PREOBRAZHENSKAYA, Ye.I.; ROZENTAL', Yu.M.; RUDOY, I.L.; RUSHCHIN, A.A.; RYBAKOV, I.P.; SAGINOV, A.S.; SAMSONOV, M.T.; SERGAZIN, F.S.; SKLEPCHUK, V.M.; USTINOV, A.M.; UTTS, V.N.; FEDOTOV, I.P.; KHRAPKOV, G.Ye.; SHILENKOV,V.N.; SHNAYDMAN, M.I.; BOYKO, A.A., retsenzent; SUROVA, V.A., ved. red.

[Mining of coal deposits in Kazakhstan] Razrabotka ugol'nykh mestorozhdenii Kazakhstana. Moskva, Nedra, 1965. 292 p. (MIRA 18:5)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

MASTERA, Lubomir, promovany geolog; POKORNY, Joel, RNDr.; VESELY, Jaroslav, promovany geolog

Regional metallometry of the Nasavrky plutonic rock. Geol pruzkum 7 no.2:43-45 F '65.

1. Geologicky pruzkum National Enterprise Brno, Branch Jihlava.

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

POTAPOV, V.P., redaktor; KANSHIN, M.D.; L'VITSYN, N.F.; MASTERITSYN, N.N.; NOZDRIN, A.A.; NIKITYUK, A.P.; PADNYA, V.A.; RIDEL', E.I.; FERAPONTOV, G.V.; SHAMAYEV, M.F.; SHATSKAYA, E.P.; GULEV, Ya.F., redaktor; VERINA, G.P., tekhnicheskiy redaktor.

[Advanced methods for workers in material handling] Peredovye metody truda kommercheskikh rabotnikov. Moskva, Gos. transp. zhel-dor. izd-vo, 1953. 262 p. [Microfilm]
(Material handling) (MLRA 7:11)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

POTAPOV,V.P.;BARKAN,I.N.; DEM'YANKOV,N.V.; KANSHIN,M.D.; L'VITSYN,N.F.; MASTERITSYN,N.N.; NOZDRIN,A.A.; PADNYA,V.A.; RIDEL',E.I.; FERAPONTOV,G.V.; SHAMAYEV,M.P.; SHATSKAYA,E.P.; SHAVKIN,G.B., inzhener, redaktor; KHITROV,P.A., tekhnicheskiy redaktor

[Advanced methods in shipment and commercial handling of goods] Peredovye metody truda gruzovykh i kommercheskikh rabotnikov, Izd. 2-oe. Moskva, Gos.transp.zhel-dor. izd-vo, 1955. 286 p.
(MLRA 9:2)

(Material handling) (Transportation--Equipment and supplies)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

ARKHANGEL'SKIY,A.S.; KREYNIN,A.V.; KUCHURIN,S.F.; MASTERITSYN,N.N.; SOKOLOV,P.G.; FEYGIN,I.Ya.; KHOKHLOV,L.P.; YANKINA,A.P.; KUCHURIN,S.F., redaktor; VERINA,G.P., tekhnicheskiy redaktor

[Rate book for railroad transportation] Spravochnik po tarifam zheleznodorozhnogo transporta. Moskva, Gos.transp. zhel-dor. izd-vo, 1955. 326 p. (MLRA 9:3)

(Railroads--Rates)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

MASTERKOV, A.M.

Results of prospecting and opening up the Shchelkovo structure in connection with test injection of gas. Trudy SGPK no.3:67-79 '62. (MIRA 15:10)

(Shchelkovo region—Gas, Natural—Storage)
(Prospecting)

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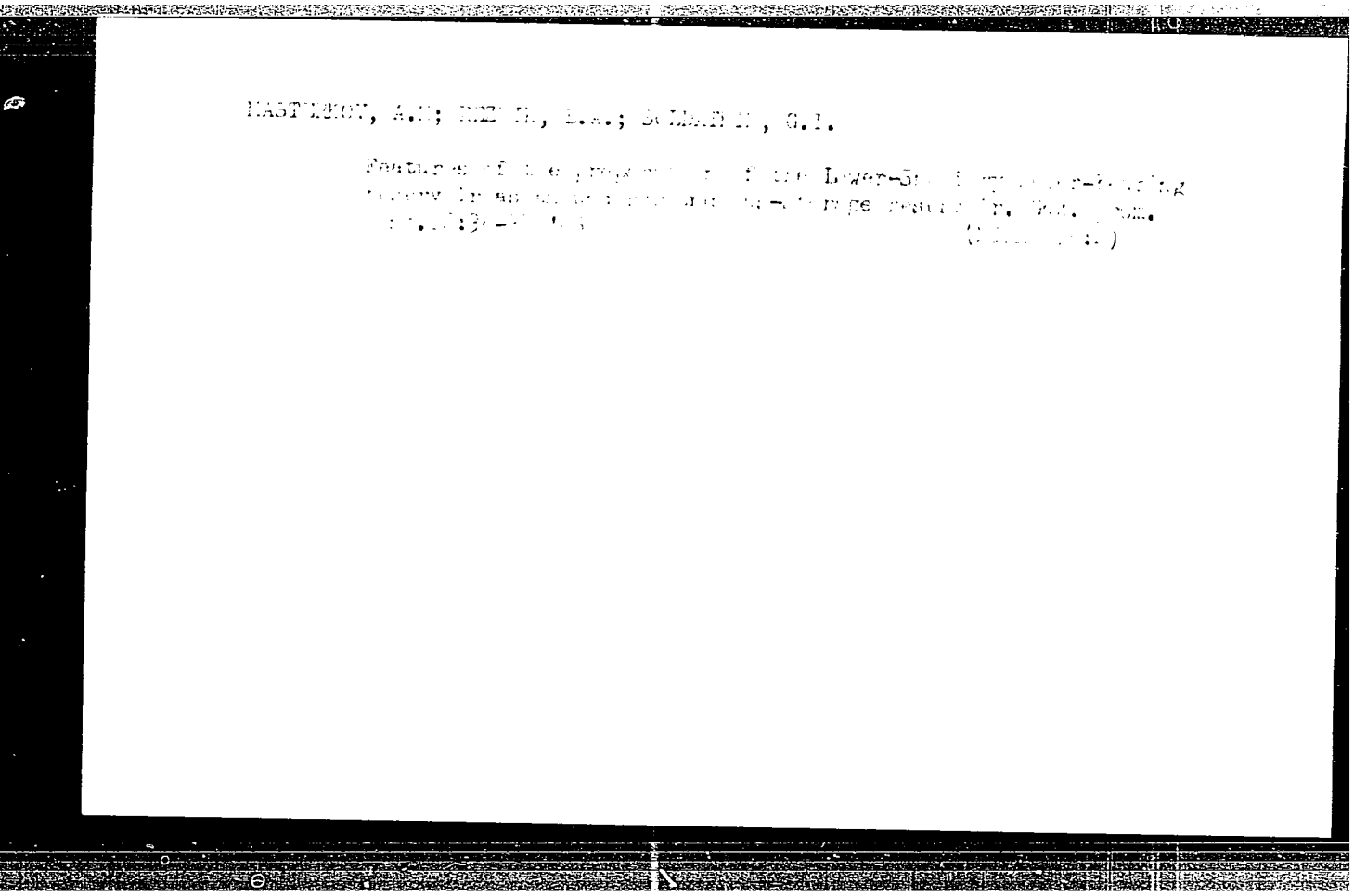

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

MASTERKOV, A.M.; REZNIK, B.A.; SOLDATKIN, G.I.

Results of the experimental withdrawal of gas from the Shchelkovo underground gas reservoir. Gaz. prom. 9 no.8:31-35 '64. (MIRA 17:9)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

BELUBEKOV, A.A., MASTERKOV, A.M., MOSINYAN, S.A., REZNIK, B.A.

Strengthening the bottom zones of gas wells by [illegible]
Gaz. prom. 10 no.9 [illegible] '65.

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

MASTERKOV, G., zamestitel' glavnogo inzhenera.

Leading street-railway shops. Zhil.-kom.khoz. 3 no.10:9-12 O '53. (MIRA 6:11)

(Moscow--Street railroads) (Street railroads--Moscow)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

ACCESSION NR: AP3002966 R/0004/63/000/005/0163/0172

AUTHOR: Tugulea, Andrei (Engineer); Mastero, Sanda (Engineer)

TITLE: Dealing with certain problems of electromagnetic induction

SOURCE: Electrotehnica, no. 5, 1963, 163-172

TOPIC TAGS: electrodynamics, electromagnetic induction, electromagnetic field, single, pole, generator, flexible coil, Blondel experiment, Cullwick experiment, Weber force, Maxwell force, Maxwell theory

ABSTRACT: Problems of electromagnetic induction in moving bodies gave rise, lately, to numerous articles in scientific publications. This is an indication that there are still doubts as to the possibilities of explaining induction phenomena based on the electromagnetic field theory. The authors attempt to analyze these problems and show that they can also be correctly solved within the framework of the Maxwell,or Maxwell-Hertz,theory. Attempts to create new electrodynamics based on remote action by ignoring the electromagnetic field as a physical system are inconsistent. Several examples are given, including experiments by Cullwick and Blondel. The authors conclude that the Maxwell-Hertz theory is a compromise which

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ACCESSION NR: AP3002966

leads to correct results at low speeds (as compared to the speed of light) for problems of electromagnetic induction; these results are of technical interest. Orig. art. has: 7 figures and 26 formulas.

ASSOCIATION: Institutul politehnic din Bucuresti (Bucharest Polytechnical School)

SUBMITTED: 03Jan63 DATE ACQ: 23Jul63 ENCL: 02

SUB CODE: EE, GE NO REF SOV: 000 OTHER: 014

Card 2/2

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

KUZNETSOV, K.K., prof.; YASTREBOV, A.I., inzh.; PODERNI, Yu.S., inzh.; KLEPIKOV, L.N., red.; TRET'YAKOV, K.M., inzh.; MKRTYCHYAN, A.A., inzh.; SALIKOV, I.A., inzh.; FISH, Ye.A., inzh.; MASTEROV, A.K., inzh.; MEL'NIKOV, N.V., akademik, red.; BYKHOVSKAYA, S.N., red. izd-va; OVSEYENKO, V.G., tekhn. red.; SABITOV, A., tekhn. red.

[Standard plans for mine development and transportation systems] Tipovye proekty sistem razrabotki i transporta na kar'erakh. Pod obshchei red. N.V.Mel'nikova. Moskva, Gosgortekhizdat, Vol.2.[The transportation system in mine; the justification and calculation of standard layouts, elements, and technical and economic indices] Transportnaia sistema razrabotki; obosnovaniia i raschety tipovykh skhem, elementov i tekhniko-ekonomicheskikh pokazatelei. 1962. 462 p. (MIRA 16:2)

1. Moscow. Vsesoyuznyy tsentral'nyy proyektnyy institut po proyektirovaniyu shakhtnogo stroitel'stva kamennougol'noy promyshlennosti.

(Mine haulage) (Strip mining)

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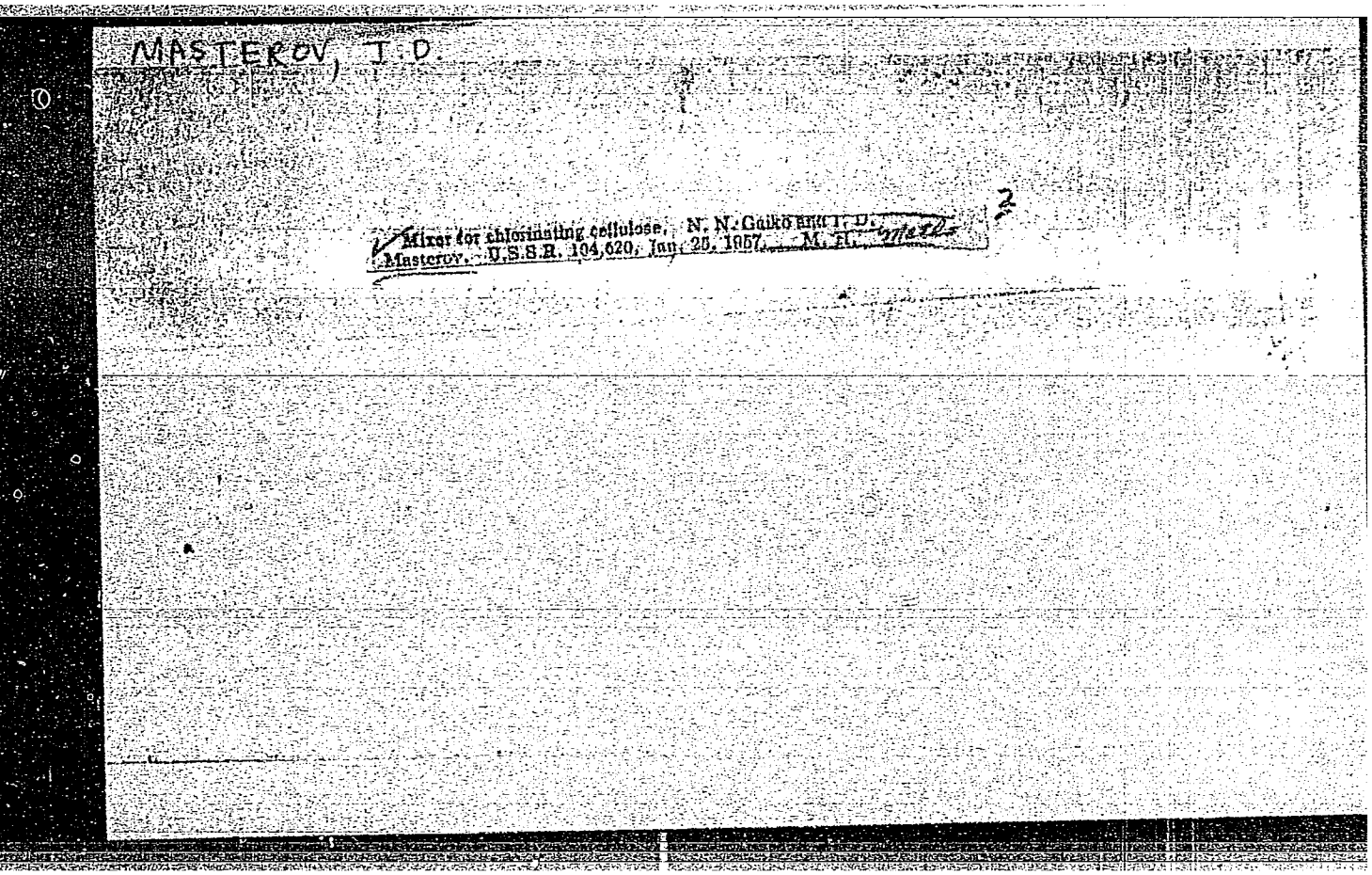

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

MASTEROV, I. P.

MASTEROV, I.P.; ZALENSKIY, V.S., inzhener, nauchnyy redaktor; UDOD, V.Ya., redaktor; PECHKOVSKAYA, T.V., tekhnicheskiy redaktor; PERSON, M.N., tekhnicheskiy redaktor.

[Work practice on the bulldozer] Opyt raboty na bul'dozere. Moskva, Gos. izd-vo lit-ry po stroitel'stvu i architekture, 1954. 39 p. (MIRA 7:8)
(Bulldozers)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

MASTEROV, Ivan Petrovich, bul'dozerist; SKORUBSKAYA, I.N., redaktor; RAKOV, S.I., tekhnicheskiy redaktor

[Bulldozers in building hydroelectric power stations] Bul'dozery na stroitel'stve gidrostantsii. [Moskva] Izd-vo VTsSPS Profizdat, 1956. 35 p. (MLRA 10:4)

1. Kakhovka Gidroelektricheskaya stantsiya (for Masterov)
(Bulldozers) (Kakhovka Hydroelectric Power Station)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

KOFMAN, S., inzh.; MASTEROV, M.

Mechanization and pneumatic-tube transportation at rural flour mills. Muk.-elev. prom. 26 no. 12:21-22 D '60. (MIRA 13:12)

1. TSentral'noye konstruktorsko-tekhnologicheskoye byuro Odesskogo oblmestproma (for Kofman). 2. Krasnoarmeyskoye mel'zavodupravleniye (for Masterov).
(Grain-milling machinery) (Pneumatic-tube transportation)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

BELYAKOV, P.D., kand. med. nauk; MASTEROV, M.D., inzh.

Artificial joints. Zdorov'e 4 no.7:13 Jl '58. (MIRA 11:6)
(JOINTS)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

BELYAKOV, P.D., kand.med.nauk; MASTEROV, M.D., vedushchiy inzh.

Preoperative preparation of new surgical instruments and apparatus used in blood vessel surgery. Med.sestra 18 no.2:31-34 F '59. (MIRA 12:2)

1. Nauchno-issledovatel'skiy institut eksperimental'noy khirurgicheskoy apparatury i instrumentov, Moskva.
(SURGICAL INSTRUMENTS AND APPARATUS)

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MIKOYAN, A; PODGORNYY, N.; ZOTOV, V.; PAVLOV, D.; DUDIN, Yu.; KOROLEV, D.; MASTEROV, N.; NEVSKIY, Ye.; KLEMENCHUK, A.; ARSENT'YEV, V.; GAVRILOV, A.; PARSHIKOV, M.; ZHARSKIY, A.; SOKOLOVSKIY, V.

Vladimir Evdokimovich Chalyi; obituary. Kons.i ov.prom. 17 no.12: 48 D '62. (MIRA 15:12)

(Chalyi, Vladimir Evdokimovich, 1905-1962)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

ANDIN'SH, P. [Andins, P.]; GOBZEMIS, Ia. [Gobzemis, J.]; GORSHKOV, A. MASTEROV, V.

Suggestions of Riga builders. Stroitel' 8 no.3:7-10 Mr '62. (MIRA 15:8)

(Riga--Building--Technological innovations)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

POLUKHIN, P.I.; MASTEROV, V.A.; GUN, G.Ya.

Experimental verification of basic design equations of the process of longitudinal rolling with increase in width. Izv. vys. ucheb. zav.; tsvet. met. 5 no.4:157-164 '62. (MIRA 16:5)

1. Moskovskiy institut stali, kafedra prokatki i Leningradskiy mekhanicheskiy institut, kafedra obrabotki metallov davleniya. (Rolling (Metalwork))

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

POLUKHIN, P.I.; MASTEROV, V.A.; GUN, G.Ya.

Theoretical investigation of the longitudinal rolling process with widening of the smooth barrel. Izv. vys. ucheb. zav.; chern. met. 5 no.5:99-107 '62. (MIRA 15:6)

1. Moskovskiy institut stali.
(Rolling (Metalwork))

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S/148/62/000/006/002/005
E081/E435

AUTHORS: Polukhin, P.I., Gun, G.Ya., Masterov, V.A., Knyshev, Yu.V.

TITLE: Calculation of the stresses and strains during the pressing of layered bodies

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Chernaya metallurgiya, no.6, 1962, 71-75

TEXT: The problem considered is the pressing out between dies of a material consisting of n layers of different substances (Fig.1) taking into account hardening, friction between the layers, and shear forces in the external zone. The work corresponding to the two latter effects is evaluated and, using the method of undetermined multipliers, formulae are derived which enable the specific pressure and the state of strain in the material to be calculated. A nomographic method of accomplishing the calculations is outlined. There are 2 figures.

ASSOCIATION: Moskovskiy institut stali (Moscow Steel Institute)

SUBMITTED: January 10, 1962

Card 1/1

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

POLUKHIN, P.I.; MASTERKOV, V.A.; GUN, G.Ya.

Effect of external parts on the widening and specific pressures during longitudinal rolling and upsetting. Izv. vys. ucheb. zav.; chern. met. 5 no.8:57-61 '62. (MIRA 15:8)

1. Moskovskiy institut stali i splavov i Leningradskiy mekhanicheskiy institut.
(Rolling (Metalwork)) (Deformations (Mechanics))

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

POLUKHIN, P.I.; GUN, G.Ya.; MASTEROV, V.A.

Calculated equation of the process of rolling with increase in width applying the law of plastic friction $\tau = \mu \cdot p$. Izv. vys. ucheb. zav.; chern. met. 5 no.9:116-124 '62. (MIRA 15:10)

1. Moskovskiy institut stali i splavov i Leningradskiy mekhanicheskiy institut.

(Rolling (Metalwork))

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

POLUKHIN, P. I., prof., doktor tekhn. nauk; SHALYAPIN, M. M., inzh.; MASTEROV, V. A., inzh.

Conditions of plastic friction on the surface of the contact between strip and rolls during longitudinal rolling. Sbor. Inst. stali i splav. no.40:56-65 '62. (MIRA 16:1)

(Rolling(Metalwork)) (Friction)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

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S/848/62/000/040/002/005
E191/E481

11300

AUTHORS: Krupin, A.V., Astakhov, I.G., Candidates of Technical Sciences; Artem'yev, A.V., Masterov, V.A., Kontsevaya, Ye.M., Engineers

TITLE: Warm rolling of ЭИ100 (EI100) stainless steel

SOURCE: Moscow. Institut stali i splavov. Sbornik. no.40, 1962. Protsessy prokatki. 138-151

TEXT: Rolling at a temperature intermediate between room and hot rolling temperatures (warm rolling) was examined with special reference to the effects of the number of passes, reduction factor and initial strip thickness as applied to ЭИ100 (Х13Н4Г9) [EI100 (Kh13N4G9)] steel, which belongs to the austenitic-martensitic class. For comparison, the cold rolling behaviour of the same steel was also examined. To determine the optimum temperature range, specimens were also tested in a tensile machine at temperatures between 20 and 400°C. A four-high laboratory mill with working rolls of 180 and back-up rolls of 360 mm diameter and a working length of roll of 800 mm was used operating at a surface speed of 0.5 m/sec. Sheets of 2 x 45 x 250 mm were furnace heated slightly above the test temperature, measured by a

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Warm rolling ...

thermocouple feeder. The rolling pressure was measured with universal load cells and automatically recorded. The temperature range for minimum rolling pressure coincides with that of the minimum tensile strength and extends from 130 to 310°C. The lower limit is preferable under shop conditions. Rolling from various thicknesses in a single pass and split into 10% passes has shown that warm rolling in several passes can increase the reduction by 15% compared with the maximum in cold rolling without intermediate anneal. The specific rolling pressure diminishes with increasing initial sheet thickness. Examinations of the metallographic structure, the hardness and the magnetic saturation flux density have shown that much less martensite forms in warm rolling and the cold work effect is substantially reduced. There are 12 figures.

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

POLUKHIN, P. I., prof., doktor tekhn. nauk; MASTEROV, V. A., inzh.; FOMENKO, Yu. Ye., kand. tekhn. nauk

Complex investigation of contact pressure and friction forces during rolling. Sbor. Inst. stali i splav. no.40:166-172 '62. (MIRA 16:1)

(Rolling(Metalwork))
(Pressure—Measurement)
(Friction—Measurement)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

KRUPIN, A.V.; ASTAKHOV, I.G.; MA..ERCV, ..A.; ARTEM'YEV, A.V.

Measuring and recording temp...t..es during warm rolling.
Izv. vys. ucheb. zav.; chern. met. 6 no.3:132-134 '63. (MIRA 16:4)

1. Moskovskiy institut stali i splavov.
(Rolling (Metalwork)) (Thermocouples)

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L 1704-66 EWT(m)/EWA(d)/EWP(t)/EWP(k)/EWP(z)/EWP(b)/EWA(c) LJP(c) JD/HW 47 44 43

ACCESSION NR: AP5020978 UR/0148/65/000/008/0073/0079

AUTHOR: Polukhin, P. I.; Arkhangel'skiy, A. V.; Knyshev, Yu. V.; Masterov, V. A.

TITLE: Experimental study of the mechanics of rolling bimetal

SOURCE: IVUZ. Chernaya metallurgiya, no. 8, 1965, 73-79

TOPIC TAGS: bimetal, metal rolling, sheet metal, aluminum, copper, metal cladding

ABSTRACT: This study in the rolling of bimetal was conducted to provide information for selection of proper thicknesses of the initial metal sheets to give the required relative thickness in the final bimetal. The effect of the initial ratio of sheet thicknesses and the effect of total thickness on the strain and force parameters of the rolling process were examined using bimetal of aluminum A000 and electrolytic copper of equal thickness to make up sandwiches 2, 3, 5, 10, 15 and 20 mm thick, and using sandwiches in which the aluminum: copper thickness varied from 0.13 to 6.70. Deformation irregularities are reduced as the total thickness is reduced to 5 mm. The anomalous increase in irregularities below

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L 1704-66
ACCESSION NR: AP5020978

this thickness was attributed to the greater deformation of aluminum in comparison to copper as sheet thickness is reduced. The pressure of the rolls is greater on copper than on aluminum of equivalent thickness, and specific pressures are minimum on sandwiches about 10 mm thick. As the thickness of the copper sheet in a 10 mm sandwich is decreased its deformation is reduced, and when the aluminum: copper ratio reaches 5.2-6.7 the sheets do not laminate. The distribution of torque between the rolls for bimetal over 5 mm thick was examined, but further study is required for thinner bimetals. The forward slip on aluminum is always greater than on copper when rolling bimetal, and as the initial thickness is increased from 2 to 13 mm the slip on copper is reduced to zero. Measurements of the contact arc between the metal sheets and the rolls showed that its length is determined by sandwich thickness, the amount of reduction per pass, and the ratio of the mechanical properties of the sheets and their thicknesses. Because of the complexity of the effects associated with the deformation of bimetal, further study of the specific pressure and of friction force diagrams is required. Orig. art. has: 5 figures

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

L 1704-66
ACCESSION NR: AP5020978

ASSOCIATION: Moskovskiy institut stali i splavov (Moscow Institute for Steels and Alloys)

SUBMITTED: 29Apr65 ENCL: 00 SUB CODE: MM

NR REF SOV: 002 OTHER: 000

Card 3/3

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

L 20778-66 EWT(d)/EWT(m)/EWP(w)/EWP(v)/T/EWP(t)/EWP(k)/EWP(h)/EWP(l) IJP(c)

ACC NR: AP6005558 JD/HW/JH SOURCE CODE: UR/0148/65/000/010/0080/0083

AUTHOR: Polukhin, P. I.; Arkhangel'skiy, A. V.; Knyshev, Yu. V.; Masterov, V. A.

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

TITLE: Certain features of the rolling of bimetal strip

SOURCE: IVUZ. Chernaya metallurgiya, no. 10, 1965, 80-83

TOPIC TAGS: bimetal, metal rolling, aluminum, copper, yield strength, plastic deformation

ABSTRACT: Reduction in area during rolling was investigated for a 40 mm wide Al-Cu strip as a function of the initial mechanical properties of each metal (as modified by preliminary peening or annealing) and the rate of their strain hardening during rolling. Owing to preliminary peening the initial ratio between the yield points of Cu and Al, $\sigma_{s_{Cu}}/\sigma_{s_{Al}}$, was 0.8 (peened Al, Al, annealed Cu) and 17 (peened Cu, annealed Al). The distribution of total reduction in area between the layers of the strip, the total and mean unit pressure, the linear pressure per unit width of the strip, the distribution of pressure over the arc of contact with the roll and the length of that arc, and the torque on the rolls were investigated in a rolling mill with

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ACC NR: AP6005558

rolls of 170-mm diameter. It was found that, when rolling a strip with layers of a thickness ratio of 1:1, the mean unit pressure is sufficiently closely equal to the mean yield point of the strip; thus, the averaged yield point for both layers of the strip may be used for the approximate calculation of rolling stresses. Equality of torques on both rolls was observed for the case of a 45% reduction in area, when the mean radial pressures on Al and Cu differed, and when the corresponding linear pressures on the rolls also differed; this proves yet again the need to take into account the asymmetry of deformation of the strip. The length of the arc of contact with the roll also differed, being greater for the layer with the greater deformation resistance (Al). Orig. art. has: 5 figures.

SUB CODE: 11, 13/ SUBM DATE: 20Jul65/ ORIG REF: 000/ OTH REF: 000

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

LITOVCHENKO, V.M.; MASTEROV, V.F.

Unusual case of mechanical asphyxia. Sud.-med. ekspert. 8 no.2:38-39 Ap-Je '65. (MIRA 18:8)

1. Belgorodskoye oblastnoye byuro sudebnomeditsinskoy ekspertizy (nachal'nik V.M. Litovchenko).

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

LITOVCHENKO, V.M.; MASTEROV, V.F.

Unusual case of a tooth penetrating into the cranial cavity as a result of an accident. Sud.-med.ekspert. no.4:45-46 O-D '65. (MIRA 18:12)

1. Belgorodskoye oblastnoye byuro sudebnomeditsinskoy ekspertizy (nachal'nik V.M.Litovchenko). Submitted January 12, 1965.

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

MASTEROV, V. P.

"On the Wave-Guide Propagation in Layered Media."

paper presented at the [illegible]

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

24(1) SOV/46-5-3-9/32

AUTHOR: Nasterov, Ye.P.

TITLE: On the Problem of Waveguide Propagation of Sound in Layered Inhomogeneous Media (K voprosu o volnovodnom rasprostranenii zvuka v sloisto-neodnorodnykh sredakh)

PERIODICAL: Akusticheskiy zhurnal, 1959, Vol 5, Nr 3, pp 332-336 (USSR)

ABSTRACT: The author discusses waveguide propagation of sound in a medium, the square of whose refractive index (n^2) obeys a biexponential law

$$n^2(z) = p^2 + (1 - p^2 + q)e^{-az} - qe^{-2az}, \quad (1)$$

where p, q and a are parameters which determine the distribution of the refractive index:

$$p = c_o/c_\infty,$$

$$q = 2(c_o^2/c_m^2) - (c_o^2/c_\infty^2) - 1 \pm (2c_o/c_m^2 c_\infty)\sqrt{(c_m^2 - c_o^2)(c_m^2 - c_\infty^2)},$$

$$a = -(1/z_m)\ln\left[(1 - p^2 + q)/2q\right].$$

Here c_o is the velocity of sound at $z = 0$, c_∞ is the velocity of sound as $z \to +\infty$, c_m is the velocity of sound at an extremum when $z = z_m$.

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On the Problem of Waveguide Propagation of Sound in Layered Inhomogeneous Media

Acknowledgment is made to G.D. Malyuzhinets who directed and advised on this work. There are 4 figures and 8 references, 5 of which are Soviet, 2 English and 1 translation from English into Russian.

ASSOCIATION: Akusticheskiy institut AN SSSR, Moskva (Acoustics Institute, Ac.Sc. USSR, Moscow)

SUBMITTED: September 20, 1958

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

S/046/60/006/003/006/012
B006/B063

AUTHORS: Masterov, Ye. P., Muromtseva, V. N.

TITLE: On a Case of Anti-waveguide Propagation of Sound in a Layered, Non-homogeneous Medium

PERIODICAL: Akusticheskiy zhurnal, 1960, Vol. 6, No. 3, pp. 335-339

TEXT: The authors study a case of anti-waveguide propagation of sound in a layered, non-homogeneous semi-space which is bounded by a totally reflecting boundary. The square of the refractive index is assumed to increase in this semi-space with rising height according to the quadratic law $n^2(z) = 1 + (pz)^2$, where p denotes a material parameter. It is further assumed that the totally reflecting boundary be in the plane $z = 0$, where the refractive index attains its minimum. In this case one obtains a simple equation for the poles, which can be solved without difficulty. The more complicated case in which the boundary surface is not totally reflecting and may be at any height was studied in the paper of Ref. 4, in connection with the theory of ground-level waveguides. For the problem under consideration Fig. 1 shows the position of the poles in the complex ξ-plane.

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

On a Case of Anti-waveguide Propagation of Sound in a Layered, Non-homogeneous Medium

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The method of the phase integral, which usually yields a better approximation only with high pole numbers, gives exactly the same results for all numbers as does an exact solution. The function (2) obtained for the velocity potential $\varphi(r,z)$ is analyzed for high values of $k_0 r$ (where $k_0 = k(0)$, k - wave number). For $\varphi_n(r,z)$ in the range $z_0 > z > 0$ formula (10) is derived as a function of $\Phi(\xi)$ and $\Phi(\xi_0)$. Fig. 2 shows a diagram of these coefficients, which represents the height distribution of the first five normal waves. Fig. 3 shows these waves for the special case in which the boundary $z = 0$ is assumed to be absolutely fixed. Finally, the authors thank G. D. Malyuzhinets for valuable advice as well as V. D. Slesareva and L. M. Tsomay for calculations. There are 3 figures and 6 references: 3 Soviet, 1 US, and 1 Japanese.

ASSOCIATION: Akusticheskiy institut AN SSSR Moskva
(Institute of Acoustics of the AS USSR, Moscow)

SUBMITTED: January 28, 1960

Card 2/2

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

L 7778-66 EWT(d)/EWT(1)/EPF(n)-2/T/EED(b)-3/ETC(m) IJP(c) WW

ACC NR: AP5028052 SOURCE CODE:UR/0046/65/011/004/0468/0474

70
61
B

AUTHOR: Masterov, Ye. P. 44,55

ORG: Institute of Acoustics, AN SSSR, Moscow (Akusticheskiy institut AN SSSR) 44,55

TITLE: On sonic wave propagation in laminated media

SOURCE: Akusticheskiy zhurnal, v. 11, no. 4, 1965, 468-474

TOPIC TAGS: acoustic wave, waveguide acoustics, waveguide propagation, acoustic refraction, refraction index, harmonic oscillation, acoustic absorption 21,44,55

ABSTRACT: This article examines a class of laminated-heterogeneous media, for which an exact solution can be obtained to the problem of the field of a concentrated harmonic source, employing hypergeometric functions. (44,55) The variation pattern of the refraction index in layers of this class is defined in the general case by a more complex function than that for the Epstein layers (P. Epstein. Reflection of waves in inhomogeneous absorbing medium. Proc. Nat. Acad. Sci., USA, 1930, 16, 10, 627-637.). The Epstein layers are a particular case of the class under investigation. The concentrated source field is studied for the case of the symmetric layer in which the refraction index has two maxima, i.e., a case of waveguide propagation in a symmetric layer. The results obtained are applied to the case of a nonrestricted medium, as well as to the case of a semispace bounded by an absolutely reflecting plane on the axis of symmetry of the layer. In conclusion author expresses his deep gratitude

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L 7778-66
ACC NR: AP5028052

to G. D. Malyuzhints at whose suggestion and under whose supervision this work was performed, as well as to S. A. Piridi and L. K. Tyildiani who performed several of the calculations. Orig. art. has: 1 figure and 14 formulas.

SUB CODE: GP / SUBM DATE: 28Jun64 / ORIG REF: 006 / OTH REF: 002

Card 2/2

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001032810015-0

S/032/63/029/001/016/022
B104/B186

AUTHORS: Khomyakov, P. P., Masterova, A. P., Adler, Yu. P., and Nalimov, V. V.

TITLE: Optimization of chloridizing a titanium-containing concentrate

PERIODICAL: Zavodskaya laboratoriya, v. 29, no. 1, 1963, 68-69

TEXT: In investigating the chloridization of a titanium-containing concentrate the ferrous chloride yield y was chosen as optimization parameter, this being closely related to the components of the melt. Temperature concentration of the alkali metal chlorides and the production rate of $FeCl_2$ in the reactions $2FeO + C + 2Cl_2 = 2FeCl_2 + CO_2$ and $2FeO + 2Cl_2 = 2FeCl_2 + O_2$ influence the stability of these compounds. Independent variables: X_1 is the concentration of ore in the melt (%), X_2 is the temperature (^oC), X_3 the concentration of KCl in the melt (%), X_4 the concentration of carbon in the melt (%). The experimenter knew that y was close to an extreme. The object is to find

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Optimization of chloridizing a ...

the maximum of y with a minimum of work. Tne interactions X_1X_3, X_2X_3 and X_3X_4 are regarded as the most significant of the factors influencing the process. To obtain the interaction effects on the chloridizing process a minimum of eight tests was necessary. Considering the fact that y is close to an extreme, the conditions where y has a maximum are determined in eight tests by means of the programming matrix. The initial levels were: $X_1 = 7.5$, $X_2 = 725$, $X_3 = 65$, $X_4 = 4$. The variation interval of X_1 is 1, of X_2 25, of X_3 10 and of X_4 1. There is 1 table.

ASSOCIATION: Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut redkometallicheskoy promyshlennosti
(State Design and Planning Scientific Research Institute of Rare Metals Industry)

Card 2/2

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