"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

POL'SHIN, D.Ye.; RYBAKOVA, V.I.; SEREBRYANYY, R.V.

Works on soil mechanics and foundation engineering published in 1959. Osn., fund.i mekh.grun. no.5:32-3 of cover '59. (MIRA 12:12)

(Bibliography--Soil mechanics)
(Bibliography--Foundations)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

LAKEDEMONSKIY, A.V.; KHRYAPIN, V.Ye.; SHPAGIN, A.I., kand.tekhn.nauk, retsenzent; RYBAKOVA, V.I., inzh., red.; UVAROVA, A.F., tekhn.red.

[Solderer's handbook] Spravochnik paial'shchika. Moskva, Gos. nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1959. 352 p. (MIRA 12:9)

(Solder and soldering)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

S/077/60/005/006/002/003
B019/B067

AUTHORS: Rybakov, V. I., Nikolayenko, A. G., Sokolov, O. A.

TITLE: Motion picture of the movement of a body in two media

PERIODICAL: Zhurnal nauchnoy i prikladnoy fotografii i kinematografii, v. 5, no. 6, 1960, 424-432

TEXT: The authors discuss the photographing technique of bodies moving from one medium into an optically different medium or of bodies whose movements produce cavitations in the medium. When studying the former type of movement the authors used reflected light, for the second type they used transmitted light. First, problems of illumination and geometrical problems are dealt with and some examples are given. To choose the proper illumination of a body in water the authors studied the light flux entering the camera by taking account of the light scattering caused by the water. They also determine the number of illuminators and their position. Furthermore, they study the influence of light refraction on the apparent size of a body in water. When photographing a body on its passage from one medium into the other the optical distortion and

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

the different optical densities of the media are to be taken into account in the experimental arrangement. Experimental arrangements used by the authors are discussed based on Figs. 5 and 6. The first experimental arrangement is used to study the penetration of a falling body into water, the second is used to study the rapid movement of a body in water (with the formation of cavities). In the following the authors discuss the experimental arrangements for floating up the cavities, in which two mirrors are used for observations in horizontal and vertical directions, and for the penetration of a body moving very rapidly on a ballistic trajectory from air into water. There are 12 figures.

SUBMITTED: July 8, 1959

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

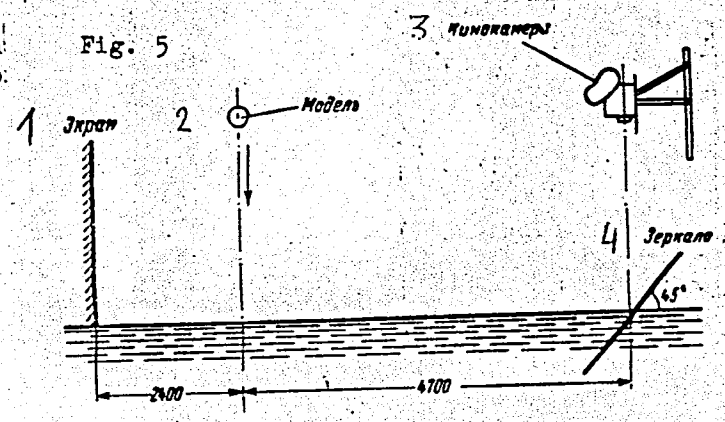
"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

Motion picture of the movement ...

S/077/60/005/006/002/003
B019/B067

Legend to Fig. 5:
1) Screen; 2) object to be studied; 3) motion picture camera; 4) mirror

Fig. 5



Card 3/4

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

Motion picture of the movement ...

S/077/60/005/006/002/003
B019/B067

Legend to Fig. 6:
1) illuminator;
2) trolley; 3) motion-picture camera;
4) dynamometer-resistor; 5) rails;
6) fairing; 7) water level; 8) experimental object; 9) cavity;
10) screen.

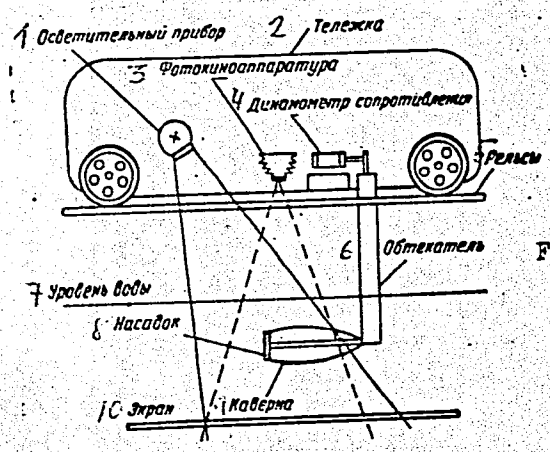

Fig. 6

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APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

PATYAKINA, O.K.; RYBAKOVA, V.I.

Tissue therapy in certain laryngological diseases. Vest.oto-rin. 17 no.1:62 Ja-F '55. (MIRA 8:5)

1. Iz kliniki bolezney ukha, gorla i nosa (zaveduyushchiy - professor A.O.Shul'ga) Chkalovskogo meditsinskogo instituta.
(TISSUE EXTRACTS)
(OTORHINOLARYNGOLOGY)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

PROCESSES AND PROPERTIES INDEX

CA

25

Boiling of mixed textiles in Van-Flanderen apparatus. S. S. Frolov and V. M. Rybakova. *Byull. Ivanovo Nauch. Issledovatel. Tekh. Inst.* 1938, No. 4-5, 81-3; *Khim. Referat. Zhur.* 2, No. 4, 125(1939).—The app. is used for the treatment of crêpes from artificial silk with NaOH or with a caustic soap. The boiled and bleached textiles had high capillarity, slightly decreased strength, high ash content and a high extn. no. The app. preserves the structure of the textiles. W. R. Henn

CLASSIFICATION ELEMENTS

MATERIALS INDEX

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

PROCESSES AND PROPERTIES INDEX

CA

25

The use of lime in place of NaOH in making size. V. V. Korolev and V. M. Rybakova. *Tekstil. Prom.* 1943, No. 4/5, 12.—A satisfactory textile size was prepd. by mixing 100 kg. of rye flour with 700 l. H_2O at 20-5°, heating to 40°, adding gradually 8 kg. CaO in 100 l. H_2O, and, after 10-15 min., heating nearly to the b. p. M. Hosch

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

PROCESSES AND PROPERTIES INDEX

Ca

25

Sizing cotton warp. A. S. Stepanov, V. M. Rybakova, and V. V. Koroleva. U.S.S.R. 65,921, Feb. 28, 1946. Cotton warp is sized with an aq. soln. of Na_2SiO_3 having a modulus 1.6–2.0 and contg. a soap, paraffin, or similar emulsion. Cotton warp thus treated yields a fabric 20–30% stronger and more resistant to rubbing. M. H.

COMMON ELEMENTS

MATERIALS INDEX

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

PROCESSES AND PROPERTIES INDEX

Ca

25

Sizing cotton warp yarn. V. M. Rybakova, V. V. Sorolev, and M. G. Shikher. U.S.S.R. 67,627, Dec. 31, 1946. Warp yarn treated with a soln. of Na silicate is additionally treated with a soln. of a metal salt which forms insol. silicates. This second soln. contains small quantities of undegraded starch or some other org. film-forming substance. Addn. to U.S.S.R. 65,921 (C.A. 41, 5326b).

M. Hosch

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

RYBAKOVA, V. M.

Degradation of starch with chloramine. V. M. Rybakova. *Tekstil. Prom.* 10, No. 1, 27-8(1950).—Chloramine, at 70-100°, oxidizes starch, decreasing the viscosity. The amt. of chloramine required to form a size of a given viscosity must be detd. empirically. The superior quality of a size thus prepd. regarding stability, thinness, and adhesiveness makes the addn. of soap and glycerol unnecessary.

Elisabeth Barabash

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

RYBAKOVA, V.M.

Norms for the consumption of starch products in sizing yarn. Tekst. prom. no.9:26-28 S '54. (MLRA 7:11)
(Sizing (Textile))

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

RYBAKOVA, V.M., kandidat tekhnicheskikh nauk.

New method of distributing size accross the whole width of the warp beam. Tekst.prom.16 no.12:27-29 D'56. (MLRA 10:1)
(Weaving) (Sizing (Textile))

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

RYBAKOVA, Valentina Mikhaylovna, kand.tekhn.nauk; IVANOV, P.P., red.; ZHUKOV, F.V., tekhn.red.

[Technology of sizing cotton yarn] Tekhnologiia shlikhtovaniia khlopchatobumazhnoi priazhi. [Ivanovo] Ivanovskoe knizhnoe izd-vo, 1957. 163 p. (MIRA 11:5)
(Cotton sizing)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

RYBAKOVA, V.M., kandidat tekhnicheskikh nauk.;NECHAYEV, A.G., inzhener.

Yarn stiffness tester. Tekst. prom. 17 no.4:41-43 Ap '57. (MLRA 10:4)
(Yarn--Testing)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

SEREBRYAKOVA, Z. G.

15(4).

SOV/63-4-1-21/31

AUTHOR: Serebryakova, Z.G.

TITLE: Conference on the Application of Textile-Auxiliary Substances in the Industry of Chemical Fibers (Soveshchaniye o primenenii tekstil'no-vspomogatel'nykh veshchestv v promyshlennosti khimicheskikh volokon)

PERIODICAL: Khimicheskaya nauka i promyshlennost', 1959, Vol 4, Nr 1, pp 130-131 (USSR)

ABSTRACT: The section for artificial fibers of the All-Union Chemical Society imeni D.I. Mendeleyev organized a conference in Moscow on the application of textile-auxiliary substances in the industry of chemical fibers. It was attended by more than 200 representatives of plants, scientific research institutes, the State Plan Commission of the USSR, the [illegible] Technical State Committee, the State Committee for [illegible], the National Economic Councils, and by scientists of the German Democratic Republic. The conference heard the following reports: Z.G. Serebryakova (VNIIV) on the characteristic of different textile-auxiliary substances and the fields of their application in the industry of artificial and synthetic fibers; K.G. Mizuch (NIOPIK) on investigations on the development of the assortment of textile-auxiliary substances; A.Yu. Rabinovich on the synthesis of surface-active substances and the detergents made from them; P.N. Panov (Chemical Plant imeni Baturin) on the perspectives of producing textile-auxiliary substances at the Chemical Plant imeni Baturin; D.Ts. Kanter (VNIIV) on the application of auxiliary substances in the dyeing of chemical fibers by means of introducing the dyes into the spinning solutions; Ye.F. Filinkovskaya (VNIIV) on the study of the effect of textile-auxiliary substances on the physical-mechanical properties of rayon; V.M. Rybakova (TsNIKhB) on the effect of different emulsions of textile-auxiliary substances on the processing of artificial and synthetic staple fiber in cotton-spinning equipment; M.V. Pilatova (TsNIIshersti) on the protective methods against static electricity during processing of wool and artificial fibers in wool-spinning equipment; P.A. Polenik (TsNIIshelk) on the relation between the electrifiability of different fibers and the tensions arising during their processing; Engineer G. Tille (German Democratic Republic) on the application of textile-auxiliary substances in the production of artificial and synthetic fibers. During the discussion it was learned that the industry of artificial fibers has not the necessary assortment of textile-auxiliary substances which is due to a lack of production capacities, of theoretical investigations and of the experimental base for synthesizing and testing auxiliary substances. The exchange of information is also insufficient.

The following associations are mentioned in the article: Vsesoyuznoye khimicheskoye obshchestvo imeni D.I. Mendeleyeva (All-Union Chemical Society imeni D.I. Mendeleyev). Gosplan SSSR (State Plan Commission of the USSR). Gosudarstvennyy komitet po khimii (State Committee for Chemistry). VNIIV. NIOPIK. VNIIZh. Khimicheskiy zavod imeni Baturina (Chemical Plant imeni Baturin). TsNIKhB. TsNIIshersti (Central Scientific Research Institute of Wool). TsNIIshelk (Central Scientific Research Institute of Silk). ONTK.

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APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

KISELEVA, S.A.; RYBAKOVA, V.Ya.

Metallography of the boundary layer in a bimetal. Sbor. trud. TSNIICHM no.32:114-117 '63. (MIRA 16:12)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

KISELEVA, S.A.; RYBAKOVA, V.Ya.

Inclusions in ShKh15 steel made in vacuum induction furnaces.
Sbor. trud. TSNIICHM no.24:279-283 '62. (MIRA 15:6)
(Steel--Inclusions) (Vacuum metallurgy)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

VINOGRAD, M.I., kand.tekhn.nauk; GONCHARENKO, M.S., inzh. [deceased]; DORONIN, V.M., inzh.; TOPILIN, V.V., inzh.; CHERNINA, B.G., inzh.; Prinimali uchastiye: SHEYN, A.S., kand.tekhn.nauk; GORSKIY, V.N., inzh.; ARKHIPOVA, V.P., inzh.; LAGUNTSOVA, Ye.V., inzh.; KISELEVA, S.A., inzh; RYBAKOVA, V. Ya., inzh.; BYSTRIKOVA, I.N., tekhnik; BURDYUCHKINA, Ye.P., tekhnik; SOLODIKHIN, I.P., tekhnik.

Improving the process of making EI347 steel for bearings.
Stal' 21 no.6:543-546 Je '61. (MIRA 14:5)

1. TSentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii i zavod "Elektrostal'."
(Bearing metals)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

GINBERG, A. M.; RYBAKOVA, Y. A.

"The effect of an ultrasonic field on the structure of electrolytic metal deposition."

report presented at the Intl Symp on Ultrasonics Application, Bratislava, 6-12 Sep 62.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

ENENSHTEYN, B.S.; RYBAKOVA, Ye.V.; SKUGAREVSKAYA, O.A.

Some results of experimental research in conditions of formation of an electric current in the earth. Izv.AN SSSR.Ser.geofiz. no.4: 475-478 Ap '56. (MLRA 9:8)

1. Akademiya nauk SSSR, Geofizicheskiy institut.
(Terrestrial electricity)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

RYBAKOVA, YE.V.

49-3-15/16

AUTHOR: Kirillov, F.A.

TITLE: Conference of junior research workers, engineers and aspirants of the Institute of the Physics of the Earth, Ac. Sc., U.S.S.R. (Konferentsiya mladshikh nauchnykh sotrudnikov, inzhenerov i aspirantov Instituta fiziki Zemli An SSSR.

PERIODICAL: "Izvestiya Akademii Nauk, Seriya Geofizicheskaya" (Bulletin of the Ac. Sc., Geophysics Series), 1957, No. 3, pp. 411-415 (U.S.S.R.)

ABSTRACT: The conference was held on December 24-26, 1956, 21 papers were read relating to work completed in 1955 and 1956. In this report the contents of the individual papers are briefly summarised. Ye. V. Rybakova read a paper on dipole electromagnetic sounding.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

SHAKHSUVAROV, D.N.; RYBAKOVA, Ye.V.

Asymptotic behavior of an electromagnetic field excited by an a-c dipole immersed in a stratified medium. Izv. AN SSSR Ser. geofiz. no.10:1509-1512 O '64. (MIRA 17:11)

1. Institut fiziki Zemli AN SSSR.

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

49-1-15/16

RYBAKOVA, Ye. V.

AUTHORS: Enenshteyn, B.S. and Rybakova, Ye.V.

TITLE: Some Results of Electromagnetic Sounding of Geological Structures (Nekotoryye rezul'taty elektromagnitnogo zondirovaniya geologicheskikh struktur)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Seriya Geofizicheskaya, 1958, Nr 1, pp.136-137 (USSR)

ABSTRACT: Some of the results are given which were obtained in electromagnetic sounding of geomagnetic structures located underneath intermediate nonconducting strata. The geoelectric structure of the points at which the investigations were carried out was determined according to the data of supporting wells and according to soundings by means of direct current carried out by various teams of Glavneftgeofizika. The soundings described in the paper were obtained in the neighbourhood of the supporting wells. The geological conditions of the point are briefly described. There are 2 graphs and 1 Russian reference.

ASSOCIATION: Ac.Sc.USSR, Institute of Physics of the Earth (Akademiya Nauk SSSR, Institut Fiziki Zemli)

SUBMITTED: June 20, 1957.

AVAILABLE: Library of Congress.

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APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

132-58-7-6/13

AUTHORS: Enenshteyn, B.S., Ivanov, A.P., Rybakova, Ye.V.

TITLE: Method of Electromagnetic Sounding of Geological Structures (Metodika elektromagnitnogo zondirovaniya geologicheskikh struktur)

PERIODICAL: Razvedka i okhrana nedr, 1958, 24 Nr 7, pp 31-37 (USSR)

ABSTRACT: The authors describe the functioning principle of the method of electromagnetic sounding of geological structures. This method, still in its initial stage, is being devised in the Institut fiziki Zemli (The Institute of Terrestrial Physics) under the leadership of A.N. Tikhonov. A short description of a generating station and of analytical and graphical calculations is given. There are 4 graphs and 2 Soviet references.

ASSOCIATION: Institut fiziki Zemli AN SSSR. (The Institute of Terrestrial Physics of the AS USSR)

1. Geophysical prospecting--Equipment 2. Electromagnetic waves --Applications

Card 1/1

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

SHAKHSUVAROV, D.N.; RYBAKOVA, Ye.V.

Applicability of representations of the far zone in electromagnetic frequency soundings. Izv. AN SSSR. Ser.geofiz. no.11:1604-1607 N'60. (MIRA 13:11)

1. AN SSSR, Institut fiziki Zemli.
(Electromagnetic prospecting)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

RYBAKOVA, Ye.V.

Calculating the field of an imbedded magnetic dipole. Izv. AN SSSR. Ser. geofiz. no.12:1823-1825 D '64. (MIRA 18:3)

1. Institut fiziki Zemli AN SSSR.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

ACC NR: AT6034451 (N) SOURCE CODE: UR/0000/66/000/000/0148/0153

AUTHOR: Mirkin, I. L.; Rybakova, Yu. A.

ORG: none

TITLE: Kinetics of the growth of failure sites in nickel alloys under conditions of creep

SOURCE: AN SSSR. Institut metallurgii. Svoystva i primeneniye zharoprochnykh splavov (Properties and application of heat resistant alloys). Moscow, Izd-vo Nauka, 1966, 148-153

TOPIC TAGS: nickel base alloy, material failure, creep

ABSTRACT: The materials for the investigation were Brand NO nickel, remelted in vacuum; a single phase nickel-base solid solution (Ni + 28.6 Cr + 2.3 Al) . All the materials were tested after long term high temperature deformation under different stresses. Nickel was tested after deformation for 6, 100, 200, and 1880 hours at temperatures of 500 and 700°C; alloys I (Ni + 28.6 Cr + 2.3 Al) and II (Ni + 26.6 Cr + 3.5 Al) after deformation for 100, 600, and 1000 hours at a temperature of 700°; alloy III (a heterogeneous commercial nickel base heat resistant alloy Type EI765) after deformation for 4200 hours at a temperature of 850°C. The slides were examined under an optical microscope with magnifications up to 1350 times. The change in pore

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

ACC NR: AT6034451

diameter was measured with an accuracy of 0.4 microns using an ocular micrometer. It was established that the number of pores in a unit area of the slide increases sharply with etching during the course of the first 3-5 seconds, but that with etching beyond 5 seconds, the number remains constant. The transverse pore dimension, as a function of the etching time, increases almost linearly. In pure nickel a well developed substructure was observed under all experimental conditions. Failure of all the samples occurred at the boundary. It was found that for alloy EI765, in the stress interval 6-1.44 kg/mm^2, the transverse pore dimension does not depend on the stress, but the number of pores increases. For all the alloys the stress σ and the mean distance between pores L were found to be inversely proportional. The experimental data correspond to the theory of the growth of pores during creep, due to diffusion and the formation of vacancies. Orig. art. has: 2 formulas and 3 figures.

SUB CODE: 11/ SUBM DATE: 10Jun66/ ORIG REF: 005/ OTH REF: 006

Card 2/2

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

L 05096-67 EWT(d)/EWP(1) IJP(c) BB/GG

ACC NR: AP6013291 30 B SOURCE CODE: UR/0413/66/000/008/0086/0086

AUTHORS: Bovkun, K. A.; Sadov, L. S.; Rabotenko, G. F.; Bardadym, A. G.; Rybal'chonko, A. A.

ORG: none

TITLE: A potentiometer-integrator. 16 Class 42, No. 180819 [announced by Dnepropetrovsk Branch of the Institute of Automation (Dnepropetrovskiy filial instituta avtomatiki)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 8, 1966, 86

TOPIC TAGS: potentiometer, electric measuring instrument

ABSTRACT: This Author Certificate presents a potentiometer-integrator containing an electronic potentiometer. The design provides for recording of both the current value of the parameter and its average value over a fixed time interval on a single plot. A secondary slide wire is connected to the measuring circuit of the potentiometer (see Fig. 1). The sliding arm of this secondary slide wire is connected through a kinematic coupling to a ratchet. It is also connected by a switch for periodically cutting off the sliding arm of the main slide wire at

UDC: 681.14

Card 1/2

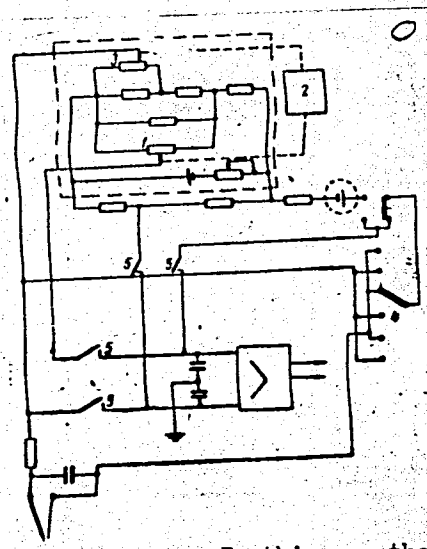
APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

L 05096-67

ACC NR: AP6013291

Fig. 1. 1 - secondary slide wire;
2 - kinematic coupling with the ratchet;
3 - main slide wire; 4 - switch;
5 - relay contacts



the reference position by short-circuiting the amplifier input. In this way the sliding arm of the secondary slide wire is periodically shifted to the value proportional to the position of the sliding arm of the main slide wire. In doing this the summation and storage of the average value of the input parameter is accomplished. Orig. art. has: 1 figure.

Card 2/2 SUB CODE: 09/ SUBM DATE: 21Mar64 vmb

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

ACC NR: AT7003263 (N) SOURCE CODE: UR/2563/66/000/263/0042/0047

AUTHOR: Aleksandrov, A. A.; Tron', A. S.; Rybal'chenko, N. D.

ORG: none

TITLE: Production of nickel-copper composite material by vacuum rolling

SOURCE: Leningrad. Politekhnicheskiy institut. Trudy, no. 263, 1966. Mashiny i tekhnologiya obrabotki metallov davleniyem (Machinery and technology of metal working by pressure), 42-47

TOPIC TAGS: composite material, nickel copper composite material, composite material rolling, vacuum pack rolling, composite material bond strength, composite material rolling technology.

ABSTRACT: M-1 grade copper and 99.99%-pure nickel sheets, 10 mm thick, vacuum annealed at 700 and 900C, respectively, were slowly cooled, assembled into 20 x 40 x 100 mm packets, pack rolled in a vacuum of up to $1 \cdot 10^{-5}$ mm Hg at 750—1050C with a 5—52% reduction, and investigated to determine the effect of the rolling temperature, depth of vacuum, and degree of reduction on the bond strength and microstructure. The highest bond strength, 24—25.5 Kg/mm^2, was observed in

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ACC NR: AT7003263

composite sheets rolled with a 30% reduction in a vacuum of $1 \cdot 10^{-4}$ mm Hg at 1050—950C and a packed width-to-height ratio of 1:2. The surface finish of the joined sheets had no effect on the bond strength of the composite metal. The bond strength was also practically unaffected by annealing at 400—600C, but slightly decreased to 22—23 Kg/mm^2 with annealing at 800—1000C. The metal near the interface had a finer grain structure than the base metal. No transition zone was observed at the interface of composite specimens in the as-rolled condition, but the specimens annealed at 900C for 24 hr had a 25-40μ thick intermediate layer, probably of a solid solution of copper in nickel. This indicated that the diffusion of copper into nickel was a predominant process in the rolling and annealing of composite metal. Further experiments showed that composite parts can be obtained by one-pass hot rolling of composite blanks in vacuum followed by rolling the blanks into finished parts in the air. The copper-nickel and nickel-copper composite metal, pack rolled at 950C in a vacuum of $2 \cdot 10^{-5}$ mm Hg with a 15—25% reduction per pass and subsequently rolled in the air at room temperature, had a bond strength of 22—24 Kg/mm^2. The nickel-copper-nickel and nickel-copper foils, 0.2—0.4 mm thick, satisfied all requirements for metal composites used in the radioelectronic industry. Orig. art. has: 4 figures.

SUB CODE: 13, 11/ SUBM DATE: none/ ORIG REF: 011

Card 2/2

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

L 08340-67 EWT(m)/EWP(v)/EWP(t)/ETI/EWP(k) IJP(c) JD/HM/HW/JG

ACC NR: AR6033105 SOURCE CODE: UR/0137/66/000/007/D009/D010

AUTHOR: Smirnov, V. S.; Tron', A. S.; Aleksandrov, A. A.; Rybal'chenko, N. D.

44

TITLE: Producing bimetals by hot rolling in vacuum

SOURCE: Ref. zh. Metallurgiya, Abs. 7D70

REF SOURCE: Tr. Leningr. politekhn. in-ta, no. 260, 1965, 22-27

TOPIC TAGS: bimetal, hot rolling, plastic deformation, bimetal welding

ABSTRACT: The results are presented of an investigation of the effect of reduction values, the ratio of thicknesses in a packet, and the purity of treatment of welding surfaces on the weld strength of Me during plastic deformation in vacuum. The results of metallographic examination of the transition zone are also given. The investigations were carried out on pairs of Me: steel 3—Cu, steel 3—Ti, steel 3—1Kh18N9T, Mo—Ni, and Mo—Cu. To ensure strong welds deformation of 5--10% is sufficient. With increased reduction of the packet, the weld strength grows. In changing the ratio of thickness of layers of individual Me in a bimetal packet, the weld strength decreases with increased thickness of the layer of more plastic Me. At the boundary of Me contact in a bimetal, obtained

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L 08340-67

ACC NR: AR6033105

by hot rolling in vacuum, a transition zone is produced as a result of diffusional processes. The thickness of the zone depends on the temperature of rolling, the value of reduction of the packet, the purity of mechanical treatment of welded surfaces, and on the subsequent metal heat treating. N. Yudina. [Translation of abstract]

SUB CODE: 13/

Card 2/2 nst

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

ACC NR: AP7002844 SOURCE CODE: UR/0136/66/000/012/0078/0081

AUTHOR: Amonenko, V.M.; Tron', A.S.; Mukhin, V.V.; Rybal'chenko, N.D.; Kovaleva, Ye.A.

ORG: none

TITLE: Production and properties of vacuum-hot rolled metal composites

SOURCE: Tsvetnyye metally, no. 12, 1966, 78-81

TOPIC TAGS: composite metal, hot rolling, ~~composite metal hot rolling~~, vacuum hot rolling, ~~composite bond strength~~, molybdenum niobium composite, steel titanium composite, metal bonding, sheet metal, stainless steel, annealing, mechanical property

ABSTRACT: Packs consisting of two dissimilar metal plates 10 mm-thick, 20 mm wide, and 100 mm long were vacuum rolled from vacuum-arc melted ingots of Cu, Ni, Ti, Nb, St.3 steel and 1Kh18N9T stainless steel under various conditions. The bond strength of all composites was found to increase with increasing reductions and deeper vacuum and, in the case of metals which form solid solutions (Cu-Ni, Mo-Ti, Mo-Nb and others), with increasing rolling temperature. In the case of metals which form brittle eutectics, or chemical compounds (Ti-steel) which lower the bond strength, satisfactory bond strength can be produced only by rolling at temperatures

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ACC NR: AP7002844

below that of the formation of the eutectics or chemical compounds. The deeper vacuum is especially important in rolling composites from titanium, niobium and other chemically active metals. For example, Mo-Nb composite rolled with a 30% reduction at 1200C in a vacuum of $1 \cdot 10^{-1}$—$1 \cdot 10^{-2}$ mm Hg had a bond strength of 5—8 kg/mm^2 compared with 32 kg/mm^2 for the strength of composite rolled in a vacuum of $2 \cdot 10^{-5}$ mm Hg, other conditions being the same. No visual changes were observed in the interface structure of Mo-Nb, Cr-W, Cr-Mo, Cu-Ni and other composites of metals which form solid solutions. But at the interface of joined Ti-Mo, Cu-steel, Ti-1Kh18N9T steel, and other composites of metals which form a eutectic or chemical compound (e.g., Ti-Fe, Nb-Ni), a transition zone formed whose thickness depended on the temperature and reduction of rolling. In all these composites, annealing brought about the formation of transition zone and the growth of the existing ones, which was associated with the interdiffusion of contacting metals. [MS]

SUB CODE: 13, 11/ SUBM DATE: none/ ORIG REF: 003/ OTH REF: 001
ATD PRESS: 5114

Card 2/2

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

IKONNIKOV, V.V., professor; RYBAL'CHENKO, R., redaktor; DENISOVA, O., tekhnicheskiy redaktor.

[Currency and credit in the U.S.S.R.] Denezhnoe obrashchenie i kredit SSSR. Izd. 2-e, perer. i dop. Moskva, Gosfinizdat, 1954. 458 p. (MLRA 8:2)

(Money) (Finance)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

KRYLOV,V.; KUTYREV,S., redaktor; RYBAL'CHENKO,R., redaktor; LEBEDEV,A. tekchinciskiy redaktor

[Analyzing accounts of industrial associations] Analiz otcheta promyshlennogo ob"edineniia. Moskva, Gosfinizdat, 1955. 84 p. (MLRA 9:3)

(Accounting) (Russia--Industry--Organization, control, etc.)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

L 40056-66 EWT(m)/EWP(t)/ETI IJP(c) WH/JW/JD

ACC NR: AP6025942 SOURCE CODE: UR/0226/66/000/007/0076/0083

48
47
B

AUTHOR: Chaporova, I. N.; Rybal'chenko, R. V.; Vrzheshch, Ye, Ya.

ORG: All-Union Scientific Research Institute of Hard Alloys (Vsesoyuznyy nauchno-issledovatel'skiy institut tverdykh splavov)

TITLE: Synthesis and properties of (Ti, W, Cr)C carbides

SOURCE: Poroshkovaya metallurgiya, no. 7, 1966, 76-83

TOPIC TAGS: ~~sintered carbide~~, sintering, titanium carbide, tungsten carbide, chromium carbide, ~~carbide structure~~, ~~carbide property~~

ABSTRACT: The effect of adding up to 25% Cr_3C_2 on the properties of (Ti, W)C carbide with a constant TiC:WC ratio of 35:65, was investigated. The initial (Ti, W, Cr)C carbides were synthesized from TiO_2 + WC + Cr_2O_3 + C powders in hydrogen at temperatures from 2573 K for pure TiO_2 + WC to 1923 K for carbide with 25% Cr_3C_2. The carbide powders were compacted and sintered in vacuum at 2073—2123 K. The porosity of sintered compacts did not exceed 0.2%. An x-ray diffraction analysis revealed that all the alloys have a solid-solution structure with an fcc lattice. With increasing Cr_3C_2 content oxidation resistance sharply increased. The respective weight loss of (TiW)C carbide and carbide containing 20% Cr_3C_2 was 72 and 3.6% of the original weight in 10 hr at 1270 K. At 20% Cr_3C_2 the resistivity increased by 60%, Young's modulus dropped from 37 to 33 $n/m^2 \cdot 10^{10}$. With increasing temperature from

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L 40056-66

ACC NR: AP6025942

290 to 1070 K hardness decreased from about 2500 to 750—800 $n/m^2 \cdot 10^7$ regardless of composition. The coefficient of thermal expansion, bend strength, and contact angle in wetting with Co in vacuum showed little or no change. Orig. art. has: 7 figures and 3 tables.

[WW]

SUB CODE: 11/ SUBM DATE: 28Oct65/ ORIG REF: 003/ OTH REF: 002/ ATD PRESS: 5053

Card 2/2

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

L 43751-66 EWT(m)/T

ACC NR: AP6023403 (A) SOURCE CODE: UR/0323/66/000/002/0055/0060

AUTHOR: Gumennyy, N. A. (Candidate of technical sciences, Docent); Rybal'chenko, V. V. (Engineer)

ORG: Kiev Technological Institute of the Light Industry (Kievskiy tekhnologicheskiy institut legkoy promyshlennosti)

TITLE: Selection of an abrasive for wear testing of shoe fabrics

SOURCE: IVUZ. Tekhnologiya legkoy promyshlennosti, no. 2, 1966, 55-60

TOPIC TAGS: footgear, wear material, abrasive test

ABSTRACT: This investigation was performed to select a satisfactory abrasive for testing the wear resistance of shoe fabrics. The following abrasives were used: corundum, polyamide fiber brushes, a fiber-base artificial leather stitched with capron threads and impregnated with polyvinyl chloride resin, shoe granitol (a substitute leather), and fleshside split of cowhide. Shoe lining fabrics 158 and twill ticking 912 were subjected to wear. At least 20 specimens were tested by each abrasive. The speed of rotation of the test wheel was 200 rpm, air pressure in the system was 270 g/cm^2, and a constant tension on the fabric of 0.5 kgf was maintained. The results of the experiment were analyzed statistically. It was

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L 43751-66

ACC NR: AP6023403

found that shoe granitol and the split best duplicate wearing under actual service conditions, have a negligible change of the abrasive surface during wear of the fabrics, and provide good reproducibility of test results with a small error. Furthermore, these abrasive materials are readily accessible and inexpensive. The best abrasive material was the split since it satisfied the demands made on abrasive materials with respect to all parameters. This abrasive material is a waste product of the leather industry. The other abrasive materials did not produce a natural character of wear of shoe fabrics, although with respect to other parameters (rate of wear, reproducibility of test results, and value of the error) corundum and polyamide brushes are acceptable. Docent N. N. Pozhidayev supervized the investigation of wear of materials. Orig. art. has: 1 table and 7 figures.

SUB CODE: 11/ SUBM DATE: 29Sep65/ ORIG REF: 007

Card 2/2 mjs

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

RYBAKOVA, Ye.V.; SHAKHSUVAROV, D.N.

Resolving power of the magnetotelluric sounding method. Izv. AN SSSR Fiz. zem. no.5:94-100 '65. (MIRA 18:6)

1. Institut fiziki Zemli AN SSSR.

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

L 35840-66 EWT(1)

ACC NR: AP6015344 SOURCE CODE: UR/0119/66/000/005/0024/0026

AUTHOR: Vaynberger, G. Ya. (Engineer); Vasil'yev, Yu. K. (Candidate of technical sciences); Karpenko, B. K. (Candidate of technical sciences); Kabkov, G. Ya. (Engineer); Larchenko, V. I. (Engineer); Rybal'chenko, Yu. I. (Engineer)

ORG: none

TITLE: Stepping motors

SOURCE: Priborostroyeniye, no. 5, 1966, 24-26

TOPIC TAGS: stepping motor, micromotor, servomotor / RShD gear stepping servomotor, EShD stepping servomotor

ABSTRACT: A very brief description is supplied of (1) RShD reactive-rotor gear stepping motor intended for smaller steps and higher speeds and (2) EShD

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L 39840-66

ACC NR: AP6015344

permanent-magnet-rotor two-stator stepping motor intended for larger steps, higher torques, and quick response. They were developed in the Kiev Institute of Automatics. An RShD-10-FD-IV motor is intended for operation at a fixed frequency of 100 ± 2 cps; it is equipped with an electromagnetic detent and a damper. Technical characteristics of eight RShD and five EShD types are tabulated. The RShD types have: maximum static torque, 140—4500 g·cm; maximum operating speed, 100—3500 steps per sec; power consumption, 13—300 w. The EShD types have: maximum static torque, 1000—18000 g·cm; maximum operating speed, 500—1600 steps per sec; power consumption, 250—1000 w. Orig. art. has: 3 figures, 2 formulas, and 1 table.

SUB CODE: 09 / SUBM DATE: none / ORIG REF: 004

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APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

SOV/49-59-10-3/19

AUTHORS: Tikhonov, A. N., Shakhsuvarov, D. N., and Rybakova, Ye. V.

TITLE: On the Resolving Power of Electromagnetic Sounding in the Presence of Intermediate Non-conductive Layers

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geofizicheskaya 1959, Nr 10, pp 1455-1459 (USSR)

ABSTRACT: In the case of alternating electromagnetic fields the presence of a non-conductive layer does not act as a barrier and therefore such fields permit in principle investigation of screened formations. Only a certain range of frequencies can be considered in this case, i.e. the amplitude and phase characteristics of the magnetic and electric components should be determined according to their properties. This can be explained by Fig 1, where curve 1 is calculated for a four-layer cross section with the following parameters: $h_2 = h_1/64$ $h_3 = h_1$, $h_4 = \infty$; $\rho_2 = \infty$, $\rho_3 = \rho_1$, $\rho_4 = \infty$. This curve is similar to that for a two-layer cross-section, but the thickness of the second layer is equal to that of the top one: $h_1 = h_2 = h_3$,

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On the Resolving Power of Electromagnetic Sounding in the Presence of Intermediate Non-conductive Layers

$h_4 = \infty$; $\rho_2 = \infty$, $\rho_3 = \rho_1$, $\rho_4 = \infty$. Curve 3 corresponds to a layer of the thickness h_1 placed on an insulator. In all these three cases $r/h_1 = 8$ (r - distance between receiving and transmitting dipoles). It can be seen that a suitable range of frequencies should be chosen so that $-0.1 < \lg \lambda_1/r < 0.3$ (λ_1 - wavelength in top layer). If, for instance, $\rho_1 = 10$ ohms and $r = 10$ km, then this range will be $0.2h < f < 1h$. This is illustrated in Fig 2 which gives the phase-frequency curves corresponding to Fig 1. Fig 3 shows the amplitudes in relation to the distance r for a given frequency, where the curves 1 and 2 correspond to Fig 1, and the curve 3 - three-layer cross section with $h_2 = h_1/64$, $h_3 = \infty$; $\rho_2 = \infty$, $\rho_3 = \rho_1$.

Card 2/3 The frequency curves of the amplitude $\tilde{E}_x$ are illustrated

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On The Resolving Power of Electromagnetic Sounding in the Presence of Intermediate Non-conductive Layers

in Figs 4 and 5. There are 8 figures and 1 Soviet reference.

ASSOCIATION: Akademiya nauk SSSR. Institut fiziki Zemli (Academy of Sciences USSR. Institute of Physics of the Earth)

SUBMITTED: December 29, 1958

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

SOV/49-59-10-8/19

AUTHORS: Enenshteyn, B. S., Skugarevskaya, O. A., and Rybakova, Ye. V.

TITLE: Some Data on the Sounding by a Method of Electric Current Generated in the Ground

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geofizicheskaya 1959, Nr 10, pp 1486-1491 (USSR)

ABSTRACT: An apparatus and the method of its application is described. The design of a receiving station is illustrated in Fig 1. It consists of a DC amplifier 1 (Fig 2), a cathode-ray oscillograph 2, whose screen is photographed during the setting up of a tension ΔV in the receiver, and a pulse generator 3 (Fig 3). The measurements were carried out "in situ" and the curves of resistivity as a function of time, $\tilde{\rho}_k(t)$, were determined (Figs 4 to 6). The analysis of the curves showed that by this method a quantitative data of the geo-electric properties in a given cross-section can be determined. This method can be very economical if a fast plotting of graphs can be accomplished with the help of an electric computing machine. There are 6 figures and 2 Soviet references.

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SOV/49-59-10-8/19

Some Data on the Sounding by a Method of Electric Current Generated in the Ground

ASSOCIATION: Akademiya nauk SSSR Institut Fiziki Zemli (Academy of Sciences USSR. Institute of Physics of the Earth)

SUBMITTED: June 17, 1958

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

SOV/49-59-8-14/27

AUTHORS: Tikhonov, A.N., Shakhsuvarov, D. N. and Rybakova, Ye.V.

TITLE: An Attempt to Distinguish the Equivalent Layers by Means of an Alternating Electric Field

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geofizicheskaya, 1959, Nr 8, pp 1202-1205 (USSR)

ABSTRACT: The known method of a vertical electric sounding by means of direct current cannot be applied for determining, for example, a two-layer cross-section for

$$S = \frac{h_1}{\rho_1} + \frac{h_2}{\rho_2} = \text{const}$$

as illustrated in Fig 1. However, a method can be considered when $u_i = \rho_i/\rho_1$ (ρ_i - specific resistance) and an alternating current is applied. Fig 2 illustrates the ρ_k curves 1 and 2 of the equivalent cross-section, where the curve 3 representing DC is also included. The frequencies for both curves are shown in Fig 3 and the phase of the electric field E_x for the layers 1 and 2 is shown in Fig 4 (r^x= 11 km). The phase of sounding

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SOV/49-59-8-14/27

An Attempt to Distinguish the Equivalent Layers by Means of an Alternating Electric Field

frequency for different distances is shown in Fig 5, while Fig 6 gives the amplitude $\bar{B}_z$ (r = 11 km) and Fig 7 shows the magnetic component $\vartheta \bar{B}_z$ (r = 11 km). These curves indicate that a displacement of the electromagnetic field can be applied for the determination of layers equivalent to the DC method. The method described can also be used in a multi-layered cross-section.

There are 7 figures and 5 Soviet references.

ASSOCIATION: Akademiya nauk SSSR Institut fiziki Zemli (Institute of Physics of the Earth, Ac.Sc., USSR)

SUBMITTED: December 29, 1958

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APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

RYBAKOVA, YE. V.

SOV/49-59-11-16/28

AUTHORS: Tikhonov, A. N., Shakhsuvarov, D. N., and Rybakova, Ye. V.

TITLE: On the Properties of an Electromagnetic Field Generated by the Dipole in a Layer on an Insulator

PERIODICAL: Izvestiya Akademii nauk, SSSR, Seriya geofizicheskaya, 1959, Nr 11, pp 1670-1672 (USSR)

ABSTRACT: The vertical components Bz of the magnetic field are considered in relation to the electric field generated by a dipole . The amplitude curves derived from Eq (1) are shown in Fig 1 where $|B_z|$ - non-dimensional amplitude, μ - magnetic permeability, I - current, r - distance between electrodes, λ - wave-length in top layer, h - thickness of layer. The analysis of data can be done on squared paper, then the magnitude $\bar{B}$, i.e. the vertical displacement, can be calculated from Eq (2). The magnitude of horizontal displacement Δ can be expressed as Eq (3), where $S = \mu h$ - effective conductivity. The magnitude of S can be determined from Eq (7) (Fig 2). The thickness h can be found from Eq (10) (Fig 3). The phase curve is shown in Fig 4, for which the thickness h can be

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On the Properties of an Electromagnetic Field Generated by the Dipole in a Layer on an Insulator

determined for the conductivity calculated from E_q (3). Thus the parameters of a layer can be defined from both the amplitudinal and phase curves. There are 4 figures and 2 Soviet references.

ASSOCIATION: Akademiya nauk SSSR, Institut fiziki Zemli (Academy of Sciences USSR, Institute of Physics of Earth)

SUBMITTED: December 19, 1958

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

L 40059-66 EWT(m)/T/EWP(w)/EWP(t)/ETI IJP(c) JD

ACC NR: AP6016585 (N) SOURCE CODE: UR/0129/66/000/005/0017/0020

AUTHORS: Mirkin, I. L.; Rybakova, Yu. A.; Yudin, A. A.

ORG: TsNIITMASh

34

B

TITLE: Some regularities of the development of sources of failure in creep conditions

SOURCE: Metallovedeniye i termicheskaya obrabotka metallov, no. 5, 1966, 17-20

TOPIC TAGS: creep mechanism, copper, nickel alloy, material failure / M1 copper, KhN70VMYuT nickel alloy

ABSTRACT: The mechanism of generation and the kinetics of growth of sources of failure in creep conditions are investigated. This study is related to the presence and growth of voids in the material. Materials used in the study were M1 copper and two nickel alloys, one of which was a single-phase nickel-aluminum hard mixture, and the other was alloy KhN70VMYuT with a heterogeneous structure. The specimens were prepared by thermal process and were subjected to tensile testing at temperatures of 700, 750, and 850C for periods of 500, 1000, 4000, and 10 000 hours for the nickel-bearing alloys; the copper specimens were stretched at 390, 450, and 500C for 4 hours following annealing at 520C. Microsections of the materials were studied to measure pore growth. It was noted that

$$\frac{\sigma}{\sqrt{N}} = A \approx \text{const},$$

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L 40059-66

ACC NR: AP6016585

where σ is the applied stress, and N is the number of pores in a 1 mm^2 cross section. Plots are given showing the variation of the number of pores vs stress for several temperature-time conditions. It is concluded that it is possible that the parameter γ in Zhurkov's formulas is an effective indicator of critical pore concentration; however, sufficient experimental data are still lacking. Orig. art. has: 3 figures and 1 equation.

SUB CODE: 11/ SUBM DATE: none/ ORIG REF: 008

Card 2/2

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

LOMONOSOV, S.A.; RYBAKOVA, Yu.A.; PODCHAYNOVA, V.N.; BEDNYAGINA, N.P.

Extraction separation of thallium using 1,5-dibenzimidazolylformazans. Zhur.anal.khim. 19 no.9:1062-1066 '64. (MIRA 17:10)

1. Ural'skiy politekhnicheskiy institut imeni Kirova, Sverdlovsk.

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

ACCESSION NR: AT4017655 S/0000/63/000/000/0075/0082

AUTHOR: Ginberg, A. M. (Moscow); Ry*bakova, Yu. A. (Moscow); Fedotova, N. Yu. (Moscow)

TITLE: The structure of nickel plates precipitated in an ultrasonic field and the possibility of obtaining bright sediment

SOURCE: Vses. sovesh. po teor. i prak. bles. gal'. Vilnius, 1962. Teor. i prak. bles. gal' (Theory and practice of bright electroplating), osnovny*ye materialy*, 1963, 75-82

TOPIC TAGS: sediment, ultrasonic field, plating, nickel plate, nickel plating, nickel plate structure

ABSTRACT: There are different points of view in the literature on the growth of crystals in electrolytes under the simultaneous influence of ultrasonic waves. A. Roll (Z. Metallkunde, 41, Nr 11, 238 (1950)) writes that silver grains become coarse. Fr. A. Levi (Ricerca scient., 19, 887 (1949)) showed that silver precipitated in an ultrasonic field becomes finer. The present authors explain this phenomenon by the difference in electrolyte content, current and temperature, and the intensity of the ultrasonic waves. Their investigation showed that electrolysis of nickel in an ultrasonic field with currents allowable for the given

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ACCESSION NR: AT4017655

electrolyte leads to an enlargement of the structure. The use of an ultrasonic field when the current density is above the maximum allowable value leads to the formation of fine crystals. It is assumed that the effect of the ultrasonic field during nickel plating is connected with action of the sound on the secondary processes at the cathode, namely the formation and dispersion of nickel hydroxide (see Fig. 1 of the Enclosure). Orig. art. has: 3 figures.

ASSOCIATION: none

SUBMITTED: 06Jul63 DATE ACQ: 20Feb64 ENCL: 01

SUB CODE: MM NO REF SOV: 002 OTHER: 008

Card 2/3

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ACCESSION NR: AT4017655

ENCLOSURE: 01

Effect of adding $Ni(OH)_2$ on cathode polarization in nickel electrolyte(deposited in an ultrasonic field).
1 - with addition; 1' - without addition

Card 3/3

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

RYBAKOVA, Yu. S., Candidate Tech Sci (diss) -- "Physical-chemical investigation of candies containing nuts". Moscow, 1959. 18 pp (Min Higher Educ USSR, Moscow Tech Inst of the Food Industry), 150 copies (KL, No 24, 1959, 140)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

NAZAROVA, V.I.; RYBAKOVA, Yu.S.

Examining the structure of a praline-type candy mass. Izv. vys.ucheb.zav.; pishch.tekh. no.2:134-135 '59. (MIRA 12:8)

1. Moskovskiy tekhnologicheskiy institut pishchevoy promyshlennosti.

(Confectionery) (Photomicrography)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

VIASOVA, Z.A.; RYBAKOVA, Yu.V.

Numerical implementation of the method of differences for a nonlinear one-dimensional variational problem. Trudy Mat. Inst. 84:50-59 '65. (MIRA 18:9)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

RYBAKOVA, Z.B.

Public libraries. Gor.khoz.Mosk. 37 no.10:32-36 O '63. (MIRA 17:2)

1. Starshiy inspektor otdela kul'turno-prosvetitel'noy raboty Upravleniya kul'tury Ispolnitel'nogo komiteta Moskovskogo gorodskogo Soveta deputatov trudyashchikhsya.

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

PROCESSES AND PROPERTIES INDEX

12

1a

Determination of protein nitrogen in fodders by an indirect method. N. S. Pirogov and Z. N. Rylakova. *Doklady Vsesoyuz. Akad. Sel'sko-Khoz. Nauk* [illegible] (15), 31-2; *Herbage Abstracts* 9, No. 1, 312(1939). The difference between the total N and the nonprotein N (detd. in the liquid above the ppt.) indicates the protein-N content. Comparison of the results obtained by this method with the results of direct detn. shows only a negligible difference. S. Solovevchik

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

SMIRNOVA, K. A., kand tekhn nauk; RYBAKOVA, Z. S., mladshiy nauchnyy sotrudnik

Ceramic cores for modeling oil-bearing layers. Trudy NIIStroikeramiki no. 19:36-42 '62. (MIRA 17:5)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

SMIRNOVA, K.A., kand.tekhn.nauk; Prinimala uchastiye RYBAKOVA, Z.S., mladshiy nauchnyy sotrudnik

Sound-absorbing porous ceramic material. Trudy NIIStroikeramiki no.16:132-148 '60. (MIRA 15:2)

(Acoustical materials)
(Ceramic materials)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

RYBAKOVSKIY, N.I.; MOERMAN, L.A.

Potentiated anesthesia in urology. Urologiia 24 no.5:42-46 S-O '59. (MIRA 12:12)

1. Iz 2-y kafedry khirurgii (zav. - prof. M.M. Lyakhovitskiy) Ukrainskogo instituta usovershenstvovaniya vrachey.
(URINARY TRACT surg.)
(HIBERNATION, artificial)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

RYBAKOW, G.

RYBAKOW, G. Organization of the assembly line; rapid construction. Tr. from the Russian. p. 349. Vol. 27, no. 10, Oct. 1955. PRZEGLAD BUDOWLANY. Warszawa, Poland.

SOURCE: East European Accessions List (EEAL) LC Vol. 5, No. 6, June 1956

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

STRONSKI, Igancy; RYBAKOW, Wladimir N.

The ion-exchange method of separating indium, tin, and antimony radioisotopes and the preparation of carrier-free ^{113m}In and ^{125}Sb. Chem anal 4 no.5/6:877-881 '59. (KEAI 9:9)

1. Osrodek Fizyki Jadrowej Polskiej Akademii Nauk, Krakow-Bronowice. i Zjednoczony Instytut Badan Jadrowych, Laboratorium Zagadnien Jadrowych, Dubna (ZSRR)

(Ion exchange) (Indium) (Tin)
(Antimony) (Radioisotopes)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

STRONSKI, Ignacy; RYBAKOW, Wladimir N.

The ion-exchange method of dividing radioisotopes of tellurium, antimony and tin. Rocz chemii 33 no.4/5:1177-1181 '59. (EEAI 9:9)

1. Osrodek Fizyki Jadrowej Instytutu Badan Jadrowych Polskiej Akademii Nauk, Krakow-Bronowice i Laboratorium Zagadnien Jadrowych Zjednoczonego Instytutu Badan Jadrowych, Dubna (ZSRR)
(Radioisotopes) (Tellurium) (Antimony)
(Tin) (Ion exchange)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

RYBAKOW, W.

Treatment of viscous fibers.

p. 140
Vol. 8, no. 5, Sept./Oct. 1954
PRZEMYSL WLOKIENNICZY
Lodz

SO: Monthly List of East European Accessions (EEAL), LC, Vol. 5, no. 2
Feb. 1956

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

RYBAKOW, Z.

Purification and applications of Polish peppermint oil. CH
Z. Rybakow and St. Malinowski. *Prace Glownego Inst. Przemysłu Rolnego i Spożywczego* 3, No. 2, 18-24(1953).—Phys. and chem. properties of Polish peppermint oil were detd. by fractional distn. of compds. such as acids, alcs., ketones, hydrocarbons, etc.; each of these compds. was then analyzed individually. The analysis showed the presence of *dl*- and *l*-menthol in the alc. fraction; a mixt. of *dl*- and *l*-menthone in the ketone fraction; and the presence of *d*-isomenthone which is probably the product of inversion of *l*-menthone. Cineole has been found in the hydrocarbon fraction; pulegone was not present. The sepn. of menthol from the peppermint oil can be carried out by freezing the fraction contg. menthol. The purification of the oil can be carried out by steam or vacuum distn. The final product was of good quality and could be applied to food and cosmetic products.

Richard Ehrlich

2 May

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

RYBAKOW, Z.

"Obtaining geraniol and citral from linalool," Przemysl Rolny I Spozywczy, Warszawa, Vol 8, No 5, May 1954, p. 182.

SO: Eastern European Accessions List, Vol 3, No 11, Nov 1954, L.C.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

RYBAKOW, ZDZISLAWA

POL.

Citral and geraniol from [Polish] coriander oil. Stanisław Krzyzanowski and Zdzisława Rybakow (Zakład Aromatów GIPRiS, Warsaw). *Prace Głównego Inst. Przemysłu i Spożywczego* 4, No. 3, 50-9(1954)(English summary).— Coriander oil was subjected to fractional distn., and the 92-3° fraction, practically pure linaloöl (I), was used to synthesize citral (II) and geraniol (III). The highest yields (59.6%) of II were obtained, if I was oxidized with a mixt. of 0.8 part H_2SO_4 and 1 part $Na_2Cr_2O_7$ (IV) for 3 hrs. at 48°, in a reaction mixt. contg. 340% of the stoichiometrically needed IV and 130% of the required H_2SO_4, the mixt. having 8% free acid. All other ratios, times, temps., etc., led to lower yields. Other oxidation mixts. furnished lower yields. Catalytic dehydrogenation of I was unsuccessful, if $ZnSO_4$ and $CdSO_4$ were used as catalysts. III could not be prepd. from I by direct rearrangement, for which purpose many catalysts were tried. If I was treated with H_3PO_4 + Ac_2O and a catalyst (Cu salts and others), 50% linalyl acetate was obtained, but geranyl acetate was obtained in traces only. Up to 70% III was obtained by reducing 200 g. I in 300 g. anhyd. iso-PrOH with 25 g. Al isopropoxide for 4.5 hrs. at 82-8°. The unreacted I could be recovered by fractional distn.

Werner Jacobson

2 mag

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

S/081/62/000/001/025/067
B151/B101

AUTHORS: Gruda, Ilona, Rybakow, Zdzisława

TITLE: A study of compounds opaque to X rays. III. 4,6 (?)-diiodo-3-amino cinnamic acid

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 1, 1962, 196, abstract 1Zh111 (Roczn. chem., v. 35, no. 1, 1961, 345-347)

TEXT: By iodization of $3\text{-}NH_2C_6H_4CH{=}CHCOOH$ (I) $4,6(?)\text{-}I_2\text{-}3\text{-}NH_2C_6H_2CH{=}CHCOOH$ (II) is obtained. When ingested, it makes possible the X ray examination of gall bladder. To 0.025 moles of I, m. p. 183 - 184°C, in 200 ml H_2O and 18 ml conc. HCl at 80°C for 1 hr, 15g iodine chloride in 32 ml of dil. HCl (1 : 1) are added. The mixture is heated for 3 hrs at 80 - 90°, saturated with SO_2 gas and a 90.8% yield on II, $C_9H_7I_2NO_2$ is obtained, m. p. 229 - 231°C (from dil. alcohol); the acetyl derivative (III), $C_{11}H_9I_2NO_3$, m. p. 292 - 293°C (from glacial acetic acid). To 2 g of III in 50 ml water

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at -20°, a solution of 1.8 g $KMnO_4$ in 50 ml water is added. The filtrate is acidified with HCl and 0.25 g of what appears to be 4,6-I_2-3-$CH_3CONHC_6H_2COOH$, m. p. 270 - 272°C is obtained. Commun. 2 see RZhKhim. 1961, 4Zh172. [Abstracter's note: Complete translation.]

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

S/081/62/000/023/033/120
B166/B101

AUTHORS: Rybakow, Zdzisława, Gruda, Ilona

TITLE: Study of X-ray opaque compounds. IV. On iodine derivatives of hydroxy-α-β-disubstituted acrylic acids

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 23, 1962, 251, abstract 23Zh119 (Roczn. chem., v. 36, no. 1, 1962, 27-32 [Pol.; summaries in Russ. and Eng.]).

TEXT: Iodization of m-$HOC_6H_4CH{=}CRCOOH$ (Ia-c; everywhere (a) R = H, (b) R = CH_3, (c) R = C_2H_5) was studied. It was shown that (a) leads to a mixture of diiodo- and triiodo-derivative of Ia which could not be separated, (b) to the formation of α-methyl-β-(2,4,6-triiodo-3-hydroxyphenyl)-acrylic (II) and (c) to that of α-ethyl-β-(2,4,6-triiodo-3-hydroxyphenyl)-acrylic acids (III). Condensation of 3-$NO_2C_6H_4CHO$ with $(CH_3CO)_2O$, $CH_3COC_2H_5$ and $CH_3COC_3H_7$ followed by oxidation gives m-$NO_2C_6H_4CH{=}CRCOOH$ which were reduced to $NH_2C_6H_4CH{=}CRCOOH$ (IVa-c). Ia-c

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were produced by decomposing the diazonium salts from IVa-c. To a suspension of 0.17 moles IVa HCl salt in 220 ml water and 26 ml HCl (acid) is added drop by drop (0°C) a solution of 13 g $NaNO_2$ in 50 ml water, this is stirred for 1 hr and poured out into 1.2l hot water, whereupon Ia, $C_9H_8O_3$, is extracted with ether, yield 46.8%, m.p. 194-195°C (from water). In the same way Ib, $C_{10}H_{10}O_3$, is obtained from 0.05 moles IVb, yield 92.1%, m.p. 138.5-140.5°C (from water). A mixture of 0.1 moles IVb, 40 ml HCl (acid) and 500 ml water is heated until a solution forms, this is poured out onto ice, a solution of 7 g $NaNO_2$ in 35 ml water is added drop by drop (0°C) over 30 min, it is then stirred for 2 hrs at 0-3°C and poured out into 4 l hot water, giving Ic, $C_{11}H_{12}O_3$, yield 77.4%, m.p. 136-138.5°C (from water). To a solution of 0.05 moles Ib and 10 g NaOH in 40 ml water is added drop by drop a solution of 37.6 g I_2 and 37.6 g KI in 200 ml water, to this are added 2.8 g NaOH in 75 ml water, after 24 hrs SO_2 is bubbled through and it is acidified with HCl (acid), producing II, $C_{10}H_7O_3I_3$,

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yield 86%, m.p. 192-193.5°C (from aqueous acetone). In the same way reacting 0.05 moles I in 37.4 g I_2 gives III, $C_{11}H_9O_3I_3$, yield 93.1%, m.p. 195-200°C (decomposition; from aqueous acetone). Data from X-ray tests and an investigation into the toxicity of II and III are given. All melting points are corrected. For communication III see RZhKhim, 1962, 1Zh111. [Abstracter's note: Complete translation.]

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

RYBAKOW, Zdzislaw; GRUDA, Ilona

Studies on compounds with radiopaque properties. IV. Iodo derivatives of hydroxy -α, β -di-substituted acrylic acids. VI. N, N'-oxalyl- and N,N'-adipyl-di-(aminoiodo-cinnamic) acids. Rocz chemii 36 no.1:27-39 '62.

1. Department of Synthesis I, Institute of Pharmacy, Warsaw.

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

RYBAKOWA, Maria; STAPINSKA, Janina

Resistance to antibiotics in the light of clinical and bacteriological studies. Przegl.epidem. 15 no.2:117-122 '61.

1. Z I Kliniki Dziecieej AM w Krakowie Kierownik: prof. dr Tadeusz Giza.

(ANTIBIOTICS pharmacol)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

HALIKOWSKI, Boguslaw; DEPIAK, Otmar; DEPOWSKI, Marian; KUCHARSKA, Krystyna; RYBAKOWA, Maria

Diabetes mellitus "induced" during the course of diabetes mellitus. Pediat. Pol. 40 no.8:851-855 Ag '65.

1. Z II Kliniki Chorob Dzieci AM w Krakowie (Kierownik: prof. dr. med. B. Halikowski) i z Zakladu Anatomii Patologicznej AM w Krakowie (Kierownik: prof. dr. med. J. Kowalczykowa).

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

MIKULOWSKI, Wlodzimierz; RYBAKOWA, Maria

Contribution to differential diagnosis of whooping cough pneumopathies in childhood. Polski tygod. lek. 14 no.38:1717-1718 21 Sept 59.

1. (Z Kliniki Chorob Dzieciecych A. M. w Krakowie; kierownik: prof. Tadeusz Giza: ordynator Oddzialu Obserwacyjnego: prof. dr Wlodzimierz Mikulowski).
(WHOOPING COUGH, compl.) (PNEUMONIA, etiol.)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

RUDNIK, Jan; RYBAKOWA, Maria; SZPUNAR, Jerzy

Bronchoscopy in cases of atelectasis in tuberculosis in children. Gruzlica 23 no.11:775-787 Nov. '55.

1. Z Dziecicego Osrodka Sanatoryjno-Prewentoryjnego w Rabce. Dyrektor: dr M. Milewski. Z Kliniki Dziecicej A.M. w Krakowie-Kierownik prof. dr. Wl.Bujak. Z Kliniki Laryngologicznej A.M. w Krakowie-Kierownik: prof. dr J. Miodonski. Krakow, ul. Krowoderska 24.

(TUBERCULOSIS, PULMONARY, in infant and child, with atelectasis, bronchoscopy in)
(ATELECTASIS, in infant and child, in tuberc., bronchoscopy in)
(BRONCHOSCOPY, in various diseases, atelectasis in tuberc. in child)

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

RUDNIKOWA, Irena, RUDNIK, Jan, RYBAKOWA, Maria, SZPUNAR, Jerzy

Localization and evolution of tuberculous lesions in tracheobronchial 1 lymph nodes. Gruzlica 26 no.6:453-460 Jun 58

1. Z Kliniki Pediatrycznej A.M. w Krakowie Kierownik: prof. dr T. Giza Z Kliniki Laryngologicznej A.M. Kierownik; prof. dr J. Miodonski i z Dzieciecego Osrodka Sanatoryjno-Prewentoryjnego w Rabce Kierownik: dr J. Rudnik. Adres: Rabka, Dzieciecy Osrodek Sanatoryjno-Prewentoryjny.
(TUBERCULOSIS, LYMPH NODES, in inf. & child.
tracheobronchial, localization & evolution (Pol))

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

RYBAKOWA, Maria; SZPUNAR, Jerzy; TUTAJ, Ludwika

Gamma globulins in cases of recurrent acute tonsillitis in children. Pol. tyg. lek. 19 no.23:861-863 1 Je'64

1. Z II Kliniki Chorob Dzieci Akademii Medycznej w Krakowie (kierownik: prof. dr. B. Halikowski), z Kliniki Otolaryngologicznej Akademii Medycznej w Krakowie (kierownik: prof. dr. J. Miodonski [deceased]) i z Pracowni Chemicznej III Kliniki Chorob Wewnetrznych Akademii Medycznej w Krakowie (kierownik: prof. dr. J. Aleksandrowicz).

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

RYBAKOWA, Maria

Genital development disorders caused by central nervous system injuries in uniovular twins. Pol. tyg. lek. 19 no.27:1040-1041 6 Je'64

1. Z II Kliniki Chorob Dzieci Akademii Medycznej w Krakowie (kierownik: prof. dr. med. Boguslaw Malikowski) i Wojewodskiej Przychodni Endokrynologicznej dla Dzieci (kierownik: dr. med. Marian Cieckiewicz).

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

RYBAKOWA, Maria; OSTROWSKA, Jadwiga

Diagnosis of diabetes in infants according to our observations. Endokr. Pol. 13 no.2:235-239 '62.

1. I Klinika Dziecieca A. M. w Krakowie Kierownik: prof. dr T. Giza.

(DIABETES MELLITUS in inf & child)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

RYBAKOWA, Maria

Effect of anabolic substances on the growth and maturation of the skeleton in children. Endokr. Pol. 15 no.2:245-251 Mr-Ap '64.

1. II Klinika Dziecieca Akademii Medycznej w Krakowie (Kierownik: prof. dr. B. Halikowski).

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

RYBAKOWA, Maria; WALECKI, Jan

Nephrocalcinosis in children according to observation on a case. Pediat. pol. 37 no.6:617-623 Je '62.

1. Z II Kliniki Chorob Dzieci AM w Krakowie p.o. Kierownik: doc. dr med. A. Gebala.

(KIDNEY DISEASES in inf & child)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

RYBAKOWSKA, U.; PULKO, W.; DYLIKOWSKA, L.

Fasciola hepatica with Loeffler's syndrome in six year old girl. Pediat. polska 32 no.2:173-177 Feb 57.

1. Ze Specjalistycznego Szpitala Dziecięcego w Bytomiu Dyrektor: dr. med. J. Stryjecki. Ordynator: dr. med. W. Pulko. Adres: dr. Urszula Rybakowska, Bytom, pl. Wolskiego 6.

(LOEFFLER'S SYNDROME, in inf. & child with fasciolopsis (Pol))

(FASCIOLOPSIS, in inf. & child with Loeffler's synd. (Pol))

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RYBAKOWSKA, Urszula; NAWROCKI, Edmund

Catamnestic examination of children who suffered from hemolytic disease as newborn infants. Pol. tyg. lek. 18 no.5: 168-170 28 Ja '63.

1. Z I Kliniki Chorob Dzieci AM w Poznaniu; kierownik: prof. dr med. T. Rafinski.
(ERYTHROBLASTOSIS, FETAL) (CORTICOTROPIN)
(BLOOD TRANSFUSION)

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RYBAKOWSKA-HOFFMAN, Urszula; RAFINSKI, Roman

A case of Kartagener's syndrome. Pediat. Pol. 39 no.12:1377-1380 D '64

1. Z I Kliniki Chorob Dzieci Akademii Medycznej w Poznaniu (Kierownik: prof. dr. med. T. Rafinski).

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446330011-8

KOZLOWSKI, Kazimierz; RYBAKOWSKA-HOFFMANN, Urszula

A case of splenic rupture in an infant with hemolytic disease.
Ginek. pol. 35 no.1:131-134 Ja-F'64

1. Z I Kliniki Chorob Dzieci AM w Poznaniu; kierownik: prof. dr.med. T.Rafinski.

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RYBAL'CHENKO and PADALKA, O.V.

"Strengthening of molybdenum by dispersed refractory particles."

TITLE: The Sixth All-Union conference on Powder Metallurgy (Held at Moscow, 21 November 1962

SOURCE: Poroshkovaya metallurgiya, no. 3, 1963. p. 110

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RYBAL'CHENKO, A.A.

Drifting 302 meters in 18 days with the PK-3m mining cutterloader. Ugol' Ukr. 7 no.11:45 N '63. (MIRA 17:4)

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RYBAL'CHENKO, A.A., inzh.

What we can learn from the work experience of I.F. Belousov's brigade. Ugol' Ukr. 4 no.5:21-22 My '60. (MIRA 13:8)
(Donets Basin--Coal mines and mining--Labor productivity)

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