"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

5(2) SOV/54-59-1-10/25

AUTHORS: Morozova, M. P., Vol'f, E., Balova, T. P.

TITLE: The Chemistry of Compounds of Variable Composition (Khimiya soyedineniy peremennogo sostava). VIII. Volume Relations Within the System Titanium - Oxygen (VIII. Ob"yemnyye soot-nosheniya v sisteme titan-kislorod)

PERIODICAL: Vestnik Leningradskogo universiteta. Seriya fiziki i khimii, 1959, Nr 1, pp 78-83 (USSR)

ABSTRACT: In previous papers the authors stated that the formation enthalpy of substances located within the homogeneous range of salt-like compounds with variable composition virtually does not differ from the formation enthalpy of mixtures of corresponding stoichiometric compounds. These salt-like compounds of variable composition are therefore assumed to be submicro-inhomogeneous systems. The lattice of one compound includes small lattice ranges of another stoichiometric compound. In this paper the authors ascertained the course of the values of the grammformula volumes of the system titanium - oxygen for the purpose of determining how far the volume relations of this system agree with the assumptions concerning the chemical structure of salt-like compounds with variable

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The Chemistry of Compounds of Variable Composition. VIII. Volume Relations Within the System Titanium - Oxygen

composition. The grammformula volume was determined on the basis of pycnometric measurements of the density. The results are listed in a table. From the dependence of the grammformula volume on the composition of oxides the following conclusions were drawn: the grammformula volumes of substances which are contained in that portion of the homogeneous range of titanium oxide ($TiO_{1.00}$ - $TiO_{1.22}$) which is enriched with oxygen virtually do not differ from the volume of a mixture of $TiO_{1.00}$ and $TiO_{1.50}$ of the same gross composition. The same holds for the grammformula volumes of substances which are contained within the homogeneous ranges of titanium oxide poor in oxygen, which do not differ from mixtures of equal gross composition. This fact corresponds to the model assumed for the chemical structure of salt-like compounds with variable composition. Further, the authors stated full agreement between the energy- and volume diagram of the system titanium - oxygen. There are 1 figure,

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The Chemistry of Compounds of Variable Composition. VIII. Volume Relations Within the System Titanium - Oxygen

1 table, and 10 references, 8 of which are Soviet.

SUBMITTED: June 10, 1958

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

MOROZOVA, M.P.; VOL'F, E.; BALOVA, T.P.

Chemistry of compounds of variable composition. Part 8: Volume relationship in the system titanium - oxygen. Vest.LGU 14 no.4: 78-83 '59. (MIRA 12:5)
(Titanium) (Oxygen) (Systems (Chemistry))

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

BALOVA, Ye.; RODRIGES, Kh.; KHAYKIN, M.

Technical progress, trades, and labor organization. Sots.trud 4 no.7:66-71 Jl '60. (MIRA 13:8)
(Occupations)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

BALOVIYEV, I. P.

BALOVIYEV, I. P. "Insulin and experimental anaphylaxis," (Report from a candidate's dissertation), Trudy Smol. gos. med. in-ta, Vol. II, 1948, p. 200-05.

SO: U-4393, 19 August 53, (Letopis 'Zhurnal 'nykh Statey', No. 22, 1949).

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

BALOVNEV, A. V.; STRAKHOV, M. I., inzhener po otdelke tkaney

New items in the assortment of the Lenin Glukhovo Cotton Combine. Tekst. prom. 23 no.3:7-8 Mr '63. (MIRA 16:4)

1. Zamestitel' glavnogo inzhenera Glukhovskogo khlopchatobumazhnogo kombinata imeni Lenina (for Balovnev). 2. Glukhovskiy khlopchatobumazhnyy kombinat imeni Lenina (for Strakhov).

(Glukhovo—Textile fabrics)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

BALOVNEV, G., dotsent, kand.tekhn.nauk

Efficient shape of thin-walled bent sections. Trudy MIMESKH 4 no.1: 80-94 '59. (MIRA 13:10)

(Steel, Structural)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

Balovnev G.

BALOVNEV, G., kand. tekhn. nauk.

Stresses and deformations due to the straightening of connecting rods of automobile engines. Avt. transp. 35 no.12:24-26 D '57. (Automobiles--Engines--Repairing) (MIRA 11:1)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

USSR/ Engineering - Metal bending

Card : 1/1 Pub. 128 - 4/32

Authors : Balovnev, G. G.

Title : A graphic-analytical method for determining transverse plastic-bending

Periodical : Vest. mash. 34/7, 12 - 15, July 1954

Abstract : Graphic and analytical methods for determining transverse plastic-bending of metals, are discussed. A description is given of bending procedures. Methods for calculating initial bending forces, radii, and elongation of metals, are mentioned. Six references. Graphs; diagrams.

Institution : ...

Submitted : ...

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

SOV/122-59-4-1/28

AUTHORS: Balovnev, G.G., Cand. Tech.Sci., Docent, and Trofimov, G.S., Engineer.

TITLE: On Efficient Cross-Sectional Shapes of Thin-Walled, Bent Profiles (O ratsional'nykh formakh secheniy tonkostennykh gnutykh profiley)

PERIODICAL: Vestnik Mashinostroyeniya, 1959, Nr 4, pp 3-10 (USSR)

ABSTRACT: Bent profiles are up to 1.5 times stronger and up to 2 times stiffer than rolled profiles of the same weight. The analysis of their structural efficiency is presented using specially defined "Form Factors". The special properties of thin walled sections must be taken into account. Vlasov, V.Z., Corresponding Member, AN SSSR, in "Thin-walled elastic bars", (Tonkostennyye Uprugiye Sterzhni), Stroyizdat, 1940, has given the most complete analysis which requires the computation of 9 geometric quantities. All these can be expressed in terms of the thickness and width of the original strip from which the profile has been bent, together with form factors depending only on the shape of the profile. Three factors (k_1, k_2 and k_3) transform the moment of inertia of the original strip into the three moments of inertia

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

SOV/122-59-4-1/28

On Efficient Cross-Sectional Shapes of Thin-walled Bent Profiles

of the profile. Another three factors (k_4, k_5 and k_6) have the same function in transforming the section modulus of the strip into three section moduli of the profile. k_7 expresses the position of the centre of gravity and k_8 that of the centres of shear. k_9 expresses the flexure-torsion modulus. The form factors are non-dimensional and depend solely on the profile shape. For example, in a simple channel, all nine form factors can be expressed, solely in terms of the ratio between the channel height and the strip width. They are plotted in Figs 2, 3 and 4 against this ratio (relative channel height). Examining structural efficiency under central compression, the 3 forms of loss of stability, namely the flexural, the flexural-torsional and the torsional, are considered. The critical loads are given in terms of a generalized critical load which is that of the original strip in Euler buckling. The critical load factor is the ratio of each special critical load of the profile to the generalised critical load of the strip. The critical load factors applying to the 3 forms of instability in a

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SOV/122-59-4-1/28

On Efficient Cross-Sectional Shapes of Thin-walled, Bent Profiles

channel are plotted in Fig 5 against the relative channel height. The critical load factor in flexural-torsional instability depends on a slenderness parameter of the original strip, several values of which are used in the family of critical load factor curves plotted against the relative height of the channel. A maximum value of the original load factor as defined is the criterion of the optimum shape of the profile. These relations and definitions make it possible to distinguish regions of geometric parameter combinations in which any one form of loss of stability is predominant. Thus the optimum shape of the profile can be found. Numerical examples are given for channel, top hat, half-round and "bowler hat" sections. When the column length is 10-25 times the width of the original strip and the profile thickness is 2% of the width, the optimum values of the relative channel height are 0.31 - 0.44 for the simple channel, 0.28 - 0.36 for the channel with inward bent edges, 0.21 - 0.41 for the top hat section, 0.37 - 0.6 for the half-round section and 0.44 - 0.6 for the "bowler hat" section. Values of the critical load factor for the

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On Efficient Cross-Sectional Shapes of Thin-walled, Bent Profiles

different types of profile at different column slenderness parameters are compared in Table 1. At a slenderness parameter of 0.1, the most efficient is the channel with inward bent edges and the least efficient the half-round section. At a slenderness parameter of 0.4, the most efficient is the half-round section and the least efficient the channel section with inward bent edges. In free-torsion, the shear stress and twist depend on the polar moment of inertia wherein the bent profile differs little from the original strip. Experimental values for the 5 types of profile examined show factors between 1.06 and 0.82 (tests carried out by the Stress Analysis Chair of the MINESKh with the authors' participation). The most efficient is the simple channel profile. In constrained torsion, either one or both end sections may be prevented from warping. The stress and twist differ from those in free torsion by appropriate factors. Each factor is expressed in terms of form factors and a slenderness parameter (product of the strip thickness and bar length divided by the square of the original strip width). The stress

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On Efficient Cross-Sectional Shapes of Thin-walled, Bent Profiles

and twist factors for different slenderness parameters are plotted against the relative channel height in Fig 7 (both ends prevented from warping) and Fig 8 (one end prevented from warping). The most efficient profiles are those with the least value of the stress and twist factors. Their minimum values are tabulated together with the associated relative channel height for the different types of profile in Table 2, showing that the slenderness parameter has a relatively small effect. The differences in the stress factors are small. The least twist factor occurs in the channel section with inward bent edges (1.0). The largest twist factor, in the "bowler hat" section (3.27). Efficiency in bending is judged by the section modulus factors (Fig 3). When bending about the axis of symmetry, maximum efficiency (k_4) occurs at a relative channel height of 0.7 - 0.8 in a simple channel, at 0.8 in a top hat section and in a channel with inward bent edges, and at 0.64 in a half-round and "bowler hat" section. When bending is associated with torsion, such as under a transverse force not passing through the shear centre, the

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On Efficient Cross-Sectional Shapes of Thin-walled, Bent Profiles

derivation of profile efficiency criteria is different for each loading case. Three cases are considered, namely a pure bending moment acting on a cantilever beam, a concentrated force acting on a cantilever beam or a concentrated force, acting on a simply supported beam. In each case, the maximum stress and maximum twist are expressed in formulae (Eqs 8, 9 and 10). Stress and twist factors are defined and the previously defined slenderness parameter is taken into account. The stress and twist factors are plotted in Figs 9 and 10 against the relative channel height for different load eccentricities but at a constant slenderness parameter. The lowest value of the stress or twist factor is a criterion of efficiency. Comparison of different profiles shows that the channel with inward bent edges is the most efficient, and the top hat section the least efficient when bending is accompanied by torsion. Generally, tall profiles are efficient but lateral stability must be separately examined. The most efficient profile would be at the limit of lateral stability, for which a method of analysis due to Vlasov is used.

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On Efficient Cross-Sectional Shapes of Thin-walled, Bent Profiles

Introducing the non-dimensional relative strip thickness and relative strip length (flexibility), the limiting relative strip length is plotted against the relative channel height at different constant relative thicknesses (Fig 11). These graphs refer to a channel section and to the first and third loading cases. It is seen that the limiting length drops sharply with the relative channel height and thus lateral stability constitutes a limiting factor in the choice of the most efficient channel height in bending with torsion. Table 3 compares a standard rolled channel profile with a bent channel and with a bent channel having inward bent edges. For the same cross-sectional area, the critical strut load in central compression can be up to 2.14 times larger in the bent profile compared with the rolled, and the stress in bending with torsion can be less than half.

There are 11 figures, 3 tables and 4 Soviet references.

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

BALOVNEV, G.G., kand.tekhn.nauk, dots.; SINYAGOVSKIY, I.S., kand.tekhn. nauk, dots.; TROFIMOV, G.S., inzh.

Experimental investigation of the strength and rigidity of thin-walled bent sections. Trudy MIMESKH 9:129-144 '59. (MIRA 13:11)
(Elastic plates and shells)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

BALOVNEV, O.G., kand.tekhn.nauk; SINYAGOVSKIY, I.S., kand.tekhn.nauk; TROFIMOV, G.S., inzh.

Experimental investigation of the strength and rigidity of thin-walled bent sections. Trakt.i sel'khozmash. no.1:26-29 Ja '60. (MIRA 13:4)

(Elastic plates and shells)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

BALOVNEV, G.G., dots.; SINYAGOVSKIY, I.S., dots.; TROFIMOV, G.S., inzh.

Experimental investigation of efficient shapes for thin-walled bent sections. Trudy MIMESKH 12:252-258 '60. (MIRA 13:9)
(Girders--Testing)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

BALOVNEV, G.G., dots.; TROFIMOV, G.S., inzh.

Selecting efficient shapes for thin-walled bent sections. Trudy MIMESKH 12:259-267 '60. (MIRA 13:9)
(Girders)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

BALOVNEV, G.G. (Moskva)

Determining efficient forms of bent profiles for structural frames. Stroi.mekh.i rasch.soor. 2 no.1:38-42 '60. (MIRA 13:6)

(Structural frames)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

S/122/60/000/009/001/015
A161/A026

AUTHORS: Balovnev, O.O., Candidate of Technical Sciences; Trofimov, O.S., Engineer

TITLE: Selecting the Rational-Section Shape for Thin-Walled Profiles

PERIODICAL: Vestnik mashinostroyeniya, 1960, No. 9, pp. 3 - 7

TEXT: The problems of selecting the rational shape of light iron profiles (angle and U-iron) has previously been treated by the authors (Ref. 1, "Vestnik mashinostroyeniya No. 4, 1959). In subject article a calculation method is suggested using a "cross-section shape coefficient method". Practical recommendations are given for calculations for three different load conditions: longitudinal bending load, twisting and bending with twist. The work has been carried out for the Laboratoriya prochnosti i rascheta s.-kh mashin (Laboratory of Strength and Calculations of Agricultural Machines) of VISKhOM. The calculation formulas are brought into simplified form for practical use by designers and sets of curves are given by which the relative height function (height of the wall) m and relative flexibility value λ may be found using the calculated total normal stress in critical section. Three practical calculation examples are given: 1)

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S/122/60/000/009/001/015
A161/A026

Selecting the Rational-Section Shape for Thin-Walled Profiles

Finding the cross section dimensions for a rational-shape U-bar, with compressive force of 1,000 kg applied to the center axis of a 1 m long vertical bar; 2) finding the section dimensions of an optimum-shape U-bar of 1 m length under the effect of 25 kg moments applied to each end with the ends reinforced by elements welded on, and the permissible stress being σ = 1,600 kg/cm^2; 3) finding the rational section dimensions for a U-bar on two supports under a 3-ton load applied to the bar middle, σ = 1,600 kg/cm^2. The purpose of the method is to eliminate the waste of metal through using excessive strength reserves. There are 6 figures.

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

SINYAGOVSKIY, Ivan Stepanovich; DVOYEGLAZOVA, Anastasiya Dmitriyevna; ZASOVA, Antonina Fedorovna; BALOVNEV, Georgiy Grigor'yevich; SHELKOV, N.I., red.; GOROKHOVA, S.S., tekhn. red.

[Manual for laboratory work on the resistance of materials] Rukovodstvo k laboratornym rabotam po soprotivleniiu materialov, Moskva, Gos.izd-vo "Vysshaia shkola," 1961. 181 p. (MIRA 15:2)

(Materials—Testing)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

BALOVNEV, G.G., kand.tekhn.nauk, dotsent

Carrying capacity of thin-walled curved sections subjected to bending and torsion. Izv.vys.ucheb.zav.; mashinostr. no.2:66-73 '61. (MIRA 14:3)

1. Institut mekhanizatsii i elektrifikatsii sel'skogo khozyaystva.
(Girders)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

BALOVNEV, G.G., kand.tekhn.nauk, dotsent

Using aluminum alloys in the construction of agricultural machines. Izv. TSKHA no.2:140-144 '62. (MIRA 15:9)
(Agricultural machinery)
(Aluminum alloys)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

BALOVNEV, G.G. (Moskva)

Determining the optimum dimensions of thin-walled bent shapes for compressed elements. Stroi. mekh. i rasch. soor. 4 no.6: 40-44 '62. (MIRA 16:1)

(Strength of materials)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

BALOVNEV, G.G., kand.tekhn.nauk

Efficient bent profiles of frame constructions for agricultural machines. Trakt. i sel'khozmash. 33 no.5:30-34 My '63. (MIRA 16:10)

1. Moskovskaya ordena Lenina sel'skokhozyaystvennaya akademiya im. Timiryazeva.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

KOPELEVICH, L.M.; BAIOVNEV, P.F.; MAKUKHIN, M.G.; POLYAKOV, K.Ya.

Use of special tires for logging trucks. Trudy STI 37:135-143 '64. (MIRA 18:5)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

BALOVNEV, V.I.; GRONDA, V.I., red.; DUBROVSKIY, A.Kh., red.

[New methods of calculating the resistance of soils to cutting] Novye metody rascheta soprotivlenii rezaniiu gruntov. St.Shcherbinka, Rosvuzizdat, 1963. 94 p. (MIRA 17:9)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

BALOVNEV, V.I., kand. tekhn. nauk

Cutting soils with a curved blade. Stroi. i dor. mash. 9 no.5: 27-29 My '64. (MIRA 17:6)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

BABOVNEV, V. [illegible] (Engr)

Dissertation: "An Experimental Investigation of the Breakdown of Soils by Vibrating and Percussion Tools." Cand Tech Sci, Moscow Automobile Highway Institute imeni V. M. Molotov, 29 Jun 54. (Vechernyaya Moskva, Moscow, 21 Jun 54)

SO: SUM 318, 23 Dec 1954

[illegible]

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

BALOVNEV, V.I., kand.tekhn.nauk

Determining some geometrical parameters of operating parts in rotary snowplows. Stroi.i dor.mashinostr. 2 no.9:18-22 S '57. (MIRA 10:11)

(Snowplows)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

BALOVNEV, V.I., kand. tekhn. nauk

Determining the resistance to filling and basic parameters of scraper buckets. Stroi.i dor.mashinostr. 3 no.10:17-22 O '58. (MIRA 11:11)
(Scrapers)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

BALOVNEV, V. I.

BROMBERG, Avraam Aleksandrovich, prof.; VOSHCHININ, Nikolay Petrovich, kand.tekhn.nauk; PIKOVSKIY, Yakov Moiseyevich, kand.tekhn. nauk; POLOSIN-NIKITIN, Serafim Mikhaylovich, kand.tekhn.nauk; SHARTS, Ariy Zel'manovich, inzh.. Prinimal uchastiye: BALOVNEV, V.I., kand.tekhn.nauk. ALFEROV, K.V., prof., doktor tekhn. nauk, retsenzent; NEMIROVSKIY, E.I., inzh., retsenzent; IONOV, P.M., inzh., red.; TIKHANOV, A.Ya., tekhn.red.

[Earthmoving machinery; atlas of designs] Mashiny dlia zemlianykh rabot; atlas konstruktsii. Pod red. A.A.Bromberga. Izd.2., perer. i dop. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1959. 154 p. (MIRA 13:1)

1. Moskovskiy institut inzhenerov zheleznodorozhnogo transporta imeni I.V.Stalina (for Alferov). 2. Vsesoyuznyy nauchno-issledovatel'skiy institut stroitel'nogo i dorozhnogo mashinostroyeniya (VNIIStroydormash) (for Nemirovskiy).
(Earthmoving machinery--Design)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

BROMBERG, Avraam Aleksandrovich, prof.; BALOVNEV, Vladlen Ivanovich, kand. tekhn. nauk; VOSHCHININ, Nikolay Petrovich, kand. tekhn. nauk; PIKOVSKIY, Yakov Moiseyevich, kand. tekhn. nauk; POLOSIN-NIKITIN, Serafim Mikhaylovich, kand. tekhn. nauk; SHARTS, Ariy Zel'manovich, inzh.; ANDROSOV, A.A., kand. tekhn. nauk, retsenzent; VASIL'YEV, A.A., inzh., retsenzent; IONOV, P.M., inzh., red.; TIKHANOV, A.Ya., tekhn. red.

[Road machinery; an atlas of designs] Dorozhnye mashiny; atlas konstruktsii. Pod red. A.A.Bromberga. Izd.2., perer. i dop. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1960. 153 p. (MIRA 14:6)

(Road machinery)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

PIKOVSKIY, Yakov Moiseyevich, dotsent, kand.tekhn.nauk; POLOSIN-NIKITIN, Serafim Mikhaylovich, dotsent, kand.tekhn.nauk; VOSHCHININ, Nikolay Petrovich, dotsent, kand.tekhn.nauk; BALOVNEV, Vladlen Ivanovich, dotsent, kand.tekhn.nauk; ANDROSOV, A.A., kand.tekhn. nauk, retsenzent; NIKITIN, A.G., inzh., red.; CHERNOVA, Z.I., tekhn.red.

[Road machinery and equipment; machinery and plants for making pavements] Dorozhnye mashiny i oborudovanie; mashiny i zavody dlia postroiki dorozhnykh pokrytii. Pod obshchei red. IA.M. Pikovskogo. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1960. 604 p. (MIRA 14:1)

(Road machinery) (Mixing machinery)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

BALOVNEV, V.I., kand.tekhn.nauk, dotsent

Determining the resistance to digging with bulldozer blades.
Izv.vys.ucheb.zav.; mashinostr. no.1:115-128 '60. (MIRA 14:5)

1. Moskovskiy avtodorozhnyy institut.
(Soil mechanics)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

BALOVNEV, V.I., dotsent, kand.tekhn.nauk

Calculating basic parameters of working parts of earthmoving machines while cutting ground by layers. Izv. vys. ucheb. zav.; mashinostr. no. 10:171-179 '60. (MIRA 14:1)

1. Moskovskiy avtomobil'no-dorozhnyy institut.
(Earthmoving machinery--Testing)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

BALOVNEV, V.I., kand.tekhn.nauk

Methods for determining basic parameters of bulldozer dumping.
Stroi.i dor.mashinostr. 5 no.1:20-25 Ja '60. (MIRA 13:5)
(Bulldozers)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

BALOVNEV, V.I., kand.tekhn.nauk; KURAKO, V.P., student

Substantiation of the analytical calculation of the rotor power for highway snow removers. Izv.vys.ucheb.zav.; mashinstr. no.9:79-87 '61. (MIRA 14:12)

1. Moskovskiy avtodorozhnyy institut.
(Snow removal--Equipment and supplies)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

BALOVNEV, V.I., kand.tekhn.nauk

Determing the capacity of the rotor engine on street snowplows. Stroi. i dor. mash. 6 no.5:18-20 My '61. (MIRA 14:6)

(Snow plows)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

BALOVNEV, V. I., dotsent, kand. tekhn. nauk

Determining the excavation resistance and the basic parameters of the cutters of earthmovers cutting soil by layers. Sbor. trud. MISI no.39:118-124 '61. (MIRA 16:4)

1. Moskovskiy avtodorozhnyy institut.

(Earthmoving machinery)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

BALOVNEV, V. I., kand. tekhn. nauk

Theory of soil cutting and specific resistance to excavation. Izv. vys. ucheb. zav.; mashinostr. no.7:172-183 '62. (MIRA 16:1)

1. Moskovskiy avtodorozhnyy institut.

(Soil mechanics)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

SOSYANTS, V.G., inzh.; YUDIN, V.A., kand. tekhn.nauk; KNORRE, V.E., inzh.; LANTSBERG, Yu.S., inzh.; DAVIDYANTS, N.M., inzh.; GEZENTSVEY, L.B., kand. tekhn. nauk; YEGOROV, P.A., inzh.; FAYNBERG, E.S., inzh.; BAGDASAROV, S.M., inzh.; GUREVICH, L.V., kand. tekhn. nauk; CHERNYSHOV, B.G., inzh.; GADZHINSKIY, T.G., inzh.; ZASOV, I.A., kand. tekhn.nauk; BALOVNEV, V.I., kand. tekhn.nauk; GIBSHMAN, Ye.Ye., prof., red.; DZHUNKOVSKIY, N.N., prof., red.; BOLOTINA, A.V., red. izd-va; LELYUKHIN, A.A., tekhn. red.

[Manual for the design, construction, and maintenance of urban roads, bridges, and hydrotechnical structures] Spravochnik po proektirovaniiu, stroitel'stvu i ekspluatatsii gorodskikh dorog, mostov i gidrotekhnicheskikh sooruzhenii. Red. kol.E.E.Gibshman,N.N.Dzhunkovskii, P.A. Egorov. Moskva, Izd-vo M-va kommun.khoz.RSFSR. Vol.3. [Roads] Dorogi. 1963. 814 p. (MIRA 16:7)
(Roads)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

BALOVNEV, V.I., kand. tekhn. nauk; ZASOV, I.A.; KARABAN, Yu.L., kand. tekhn. nauk; PEROV, I.P., kand. tekhn. nauk, retsenzent

[Machines for the maintenance and repair of highways and airports; design and construction] Mashiny dlia soderzhaniia i remonta avtomobil'nykh dorog i aerodromov; konstruktsiia i osnovy rascheta. Moskva, Mashinostroenie, 1964. 294 p. (MIRA 17:10)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

BALOVNEV, V.I., kand. tekhn. nauk, dots.; ZASOV, I.A., kand. tekhn. nauk; KEROV, I.P., kand. tekhn. nauk, dots., retsenzent

[Machines for the maintenance and repair of highways and airfields; atlas of designs] Mashiny dlia soderzhaniia i remonta avtomobil'nykh dorog i aerodromov; atlas konstruktsii. Moskva, Mashinostroenie, 1965. 133 p. (MIRA 18:3)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

BALOVNEV, V.I., kand. tekhn. nauk; NEDOREZOV, I.A., kand. tekhn. nauk; KARASEV, G.N., inzh.

Pickups for measuring soil pressure on the surface of working tools of earthmoving machines. Stroi. i dor. mash. 10 no.8: 9-10 Ag '65. (MIRA 18:9)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

BALOVNEV, Yu.A.; ROGINSKIY, S.Z.; TRET'YAKOV, I.I.

Kinetics of hydrogen oxidation oxidation on clean platinum surfaces. Dokl. AN SSSR 163 no.2:394-397 Jl '65. (MIRA 18:7)

1. Institut khimicheskoy fiziki AN SSSR. 2. Chlen-korrespondent AN SSSR (for Roginskiy).

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

BALOVNEV, Yu.A.; ROGINSKIY, S.Z.; TRET'YAKOV, I.I.

Nature of the catalytic activity of platinum in the oxidation of hydrogen. Dokl. AN SSSR 158 no.4:929-931 O '64.

(MIRA 17:11)

1. Institut khimicheskoy fiziki AN SSSR. 2. Chlen-korrespondent AN SSSR (for Roginskiy).

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

BORESKOV, G.K.; KASATKINA, L.A.; POPOVSKIY, V.V.; BALOVNEV, Yu.A.

Oxygen mobility and the catalytic activity of vanadium pentoxide promoted with potassium sulfate. Kin.i kat. 1 no.2:229-236 Jl-Ag '60. (MIRA 13:8)

1. Fiziko-khimicheskiy institut im. L.Ya.Karpova.
(Vanadium oxide)
(Potassium sulfate)
(Oxygen--Isotopes)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

BALOWA, Zdzislawa, mgr.

Testing petroleum holes by the method of natural polarization potentials with oxidizer. Nafta Pol 19 no.10:Supplement: Biul inst naft 13 no.8/9:14-15 '63.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

BAL'OZOV, D.

Strengthening the poultry farms of cooperative farms. p.16.
KOOPERATIVNO ZEMEDELIE, Sofiya, Vol. 11, no.2, Feb. 1956

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

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

BAL'OZOV, Dimitur

Preparation of high-calorie food mixtures for broiling chickens. Izv Zhivotn nauki 1 no.3:23-34 '64.

1. Institute of Animal Husbandry, Kostinbrod.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

BALS, M.

CA

11-11

Antagonism between tetanus toxin and *p*-aminomethylbenzenesulfonamide hydrochloride (marfanil). M. Bals. *Bull. acad. méd. Roumanie* 14, 600-9(1943). On the basis that marfanil may substitute for an essential coenzyme in anaerobic bacteria, as do other sulfonamides for *p*-aminobenzoic acid in aerobes and facultative anaerobes, and that tetanus toxin may contain a substance essential for growth of tetanus organisms, B. obtained the following results: (1) the addn. of tetanus toxin to tetanus organisms inhibited by marfanil stimulates their growth; (2) marfanil does not cure tetanus in mice if administered after symptoms have appeared; (3) marfanil prevents tetanus if mixed with the tetanus toxin when the toxin is administered and if the mice are given daily doses of marfanil for seven days thereafter; (4) tetanus can be produced in the presence of marfanil if more toxin is administered.

Wm. M. Gover

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

BALS, M.

CA

11-C

A rapid clinical method for determining polypeptides. M. Bals and D. T. Potop. *Bull. acad. méd. Roumanie* 17, 181-6(1945)(in French).—To det. polypeptides in blood serum add 3 cc. of serum to 22 cc. 33% CH_3COOH, filter the mixt. after 30 min., and treat the filtrate with 22% phosphotungstic acid (1:1 by vol.). After 30 min. compare the soln. photometrically with standards. The results are within 5% of values detd. by the customary method based on double N detns. (total N and nonprotein N).

H. H. Szmant

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

BALS, M.

11-D

ca

Polypeptidemia in exanthematous typhus. I. Potop and M. Bals.— *Bull. acad. méd. Roumanie* 17, 210-20 (1945)(in French).—The study of the blood of 64 typhus patients and of 9 cases of recurrent fever showed an increase in the protein and urea content and a decrease in chloride and alkali reserve. H. H. Szmant

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

EA BALS, M

11C

The action of 4-amino-2-iodobenzoic acid on Koch's bacillus in vitro. C. N. Ionescu, M. Baly, and I. Selinicu. *Acad. Rep. Populare Romîne, Bul. Stiinf.* Sect. A, 1, 777-9 (1949)(French summary).—The activities of several synthesized I derivs. of *p*-aminobenzoic acid on human tubercle bacteria were studied *in vitro*. The best results were obtained with 4-amino-2-iodobenzoic acid in concns. of 0.50 mg. %.

Emanuel Merdinger

1961

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

The [illegible] of the aminophenyl trichloromethane and

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

BALS, M.; CARUETU, F.

Hemoculture flask, with practical device for collecting and transplant in aseptic conditions. Rev. igiena microb. epidem., Bucur. No.2:76-79 Apr-June 54.
(BACTERIOLOGY, appar. & instruments
hemoculture flask)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

BALS, M., dr.

Effect of anti-bacterial therapy of typhoid fever on subsequent tests for detection of convalescent carriers. Rev. igiena microb. epidem., Bucur. Vol.3:35-38 July-Sept 55.

(TYPHOID FEVER, therapy
chloramphenicol & nitrofuran, eff. on incidence of convalescent carriers.
(CHLORAMPHENICOL, ther. use
typhoid fever, with nitrofuran, eff. on incidence of convalescent carriers.
(FURAN DERIVATIVES, the. use
nitrofuran, in typhoid fever, with chloramphenicol, eff. on incidence of convalescent carriers.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

BAIS, M.; CARLETU, F.; ROMAN, A.

Chemical therapeutic action of "guanothiazone"; benzo-quinohydrazoic-thiosemicarbazone. Note 1. p. 1121. Academia Republicii Populare Romine. COMUNICARILE. Bucuresti. Vol. 5, no. 6, June 1955.

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

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

BALS, M.

Experimental chemotherapy with guanothiazon for a streptococcal infection in a mouse. P. 1213 COMUNICARILE Bucuresti Vol. 5, no. 8, August 1955

SOURCE: EEAL LC Vol. 5, no. 7, July 1956

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

BALSH

Rumania / Microbiology - Microbes Pathogenic to Humans and Animals F-4

Abs Jour: Referat. Zh. Biol., No. 1, 1958, 709

Author : Balsh, Meytert, Zilishtyanu

Title : Experimental and Practical Study of the Comparative Value of Different Enriched Media for Isolating Salmonella from Coprocultures

Orig Pub: Rev. microbiol., parazitol. si epidemiol., 1956, 1, No. 3, 27-31

Abstract: Results are given of parallel plantings on enriched media of Mueller-Kaufman, D_{29}, Birbauer and selenite medium F with incubations of 4-6-12-18-24 hours by comparison with a direct planting on selective media. Enrichment methods yielded poorer results than direct inoculation.

Card 1/2

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

Rumania / Microbiology - Microbes Pathogenic to Humans F-4
and Animals

Abs Jour: Referat. Zh. Biol., No. 1, 1958, 709

The best of the enrichment media were those of Birbauer and selenite F with 4-6 hour incubation.

Card 2/2

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

BAIS, Matei; SERBANESCU, Fl.; STERESCU, P.; POPESCU, T.

Tetracyclin (hostacyclin) treatment in septic complication of measles. Rumanian M. Rev. 1 no.4:41-42 Oct-Dec 57.

(MEASLES, compl.
septic compl., ther., tetracycline)
(INFECTIONS, in inf. & child
septic compl. of measles, ther., tetracycline)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

2161. BALŞ M., LUPAŞCU Gh. E. and MARINESCU Gh. Pemfigus acut febril, în cursul febrei tifoide. Acute feverish pemphigus during typhoid fever DERM.-VENEROL. (Bucureşti) 1957. 2/1 (45-49) Illus. 1

This paper reports a case of acute febrile pemphigus occurring as a severe complication during typhoid fever and leading to the patient's death. This complication is extremely infrequent. Out of nearly 3,000 cases of typhoid fever, this was the only instance.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

BALSH

RUMANIA/ Microbiology. Antibiosis and Symbiosis. Antibiotics F-2

Abs Jour: Ref Zhur - Biol., No 6, 1958, 24160

Author : Balsh, Meytert, Zilishtyanu
Inst : Not given
Title : A Study of Bacteriostatic and Bactericidal Activity of Antibiotics (Aureomycin, Chloromycetrin, Streptomycin, Nitrofuran) and Their Mixtures on Some Strains of Intestinal Bacilli.

Orig Pub: Microbiol., parazitol. si epidemiol., 1957, 2, No 2, 142-150

Abstract: No abstract.

Card 1/1

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

RUMANIA / Microbiology. Microorganisms Pathogenic to Humans and Animals. F-3

Abs Jour : Ref Zhur - Biol., No 8, 1958, No 33826

Author : Balsh, Khorodnichanu, Meytert, Sherbenesku, Steresku, Elian

Inst : Not given

Title : Frequency with which Pathogenic B. Coli are Found in Gastroenterocolitis.

Orig Pub : Microbiol., parazitol. si opidemiol., 1957, 2, No 4, 349-353.

Abstract : No abstract.

Card 1/1

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

Rumania/Microbiology. Microbes Pathogenic for Man and Animals F

Abs Jour : Ref Zhur-Biol., No 13, 1958, 57668

Author : Balsh M., Meitert E.
Inst : Not given
Title : On the Investigation of the Agglutinable Strains of the Coli Bacillus

Orig Pub : Microbiol. parazitol. si epidemiol, 1957, 2, No 5, 429-436

Abstract : No abstract

Card 1/1

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

RUMANIA/Pharmacology. Toxicology. Chemotherapeutic Preparations V
A) Antibiotics.

Abs Jour : Ref Zhur - Biol., No II, 1958, No 52055

Author : Bals M., Serbanesu Fl., Sterescu P., Popescu T.
Inst : -
Title : Tetracycline Therapy of Septic Complications of Measles

Orig Pub : Pediatria, 1957, 6, No 1, 62-70

Abstract : Tetracycline (I) was administered to 59 patients with complications following measles (bronchopneumonia -40, dyspepsia-8, otitis-11) in doses of 50-80 mg/kg for a period of 2-5 days - in total doses of 5 g. General improvement and a fall of the temperature to normal within the first 24 hours was observed in 16 cases with bronchopneumonia. The temperature returned to normal in 33 out of 40 patients during the first 5 days of I therapy. The average duration of bronchopneumonia was 2.12 days against 3.25 of therapy with penecillin, streptomycin and aureomycin in the control group. The patients tolerated I well even in large doses.--E.M.

Card : 1/1 Sheynbaum

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

EXCERPTA MEDICA Sec 6 Vol 13/3 Internal Med. Mar 59

1395. CLINICAL ASPECT OF THE LEPTOSPIROSES IN THE REGION OF BUCHAREST - Aspectul clinic al leptospirozelor din regiunea Bucureşti - Balş M., Serbănescu F., Sterescu P., Tofan N., Căruntu F., Roman A. and Ţiţeica M. - PROBL. TER. (Bucureşti) 1957, 8 (73-83) Tables 3

This study refers to 1,000 suspected cases of leptospirosis, in which the aetiological diagnosis was established 170 times. In a decreasing order, the Leptospirae observed were the following: L. 396, L. pomona prague, L. canicola, L. icterohaemorrhagiae, L. sejroe and L. bovis. Leptospirosis occurred in 6% of the hospitalized patients, in 5% of the patients with jaundice, and in 67% of those with benign lymphocytic meningitis. Three quarters of all cases developed in the months of July, August and September; 72% of the patients were males. The average age period affected by L. 396 and L. pomona prague was between 15 and 25 yr., and between 30 and 35 yr. for L. canicola. The average total duration of the disease was 9.40 days.

(L, 6, 17)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

BALS, M., Prof.

Staphylococcic infections. Med. int., Bucur. 9 no.4:483-498 Apr 57.

1. Clinica de boli infectioase I.P.S.M.F., Bucuresti.
(MICROCOCAL INFECTIONS
etiol., epidemiol. & ther. of Micrococcus pyogenes infect.)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

BALS, M.

777. THE TREATMENT OF TYPHOID FEVER WITH A NITROFURAN COMPOUND - L'emploi d'un dérivé de nitrofurane dans le traitement de la fièvre typhoïde. Contribution à l'amélioration du traitement chimiothérapique de la fièvre typhoïde par un mélange bactéricide - Bals M, and Botgros V. Clin. des Mal. Infect., I.P.S.M. Hop. Colentina, Bucarest - PRESSE MED. 1957, 65/46 (1080)

367 cases of typhoid fever were treated with 5-nitro-2-furaldehyde-semicarbazon. A control group did not get any specific treatment. The average time for the decline of pyrexia was 8.3 days (28 days in the controls). 2.18% of the patients died (10% of the controls). Recrudescences were observed in 19% (16% of the controls). 27% of the patients (45% of the controls) became carriers. After one year the figures were 1.2% (10.7%).

Poetschke - Munich (L, 6, 7)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

EXCERPTA MEDICA Sec 6 Vol 13/11 Internal Med. Nov 59

6237. THE CLINICAL PICTURE OF LEPTOSPIROSIS IN THE REGION OF BUCHAREST. II. THE EFFECT OF HISTAMINE - Aspectul clinic al leptospirozelor din regiunea Bucureşti. II - Bals M., Şerbănescu Fl., Sterescu P., Căruntu F., Tofan N. and Ţiţeica M. - PROBL. TER. (Bucureşti) 1958, 9/1 (107-115) Tables 1

Leptospirosis generally has a benign course in Bucharest. Alterations in the general condition, asthenia, headache and myalgia are nearly always present. Skin eruptions are rare and of moderate intensity. Conjunctival congestion is frequently observed (27% of cases). Digestive disturbances include loss of appetite and vomiting (34%), abdominal pains and intestinal colics (20%), as well as diarrhoea (11%). Splenomegaly was registered in 31% of cases, and hepatomegaly in 29%. The incidence of jaundice was 6.2%, and that of subicterus 15%. The haemorrhagiparous syndrome was rarely observed. Urinary phenomena were noticed in 41%, and azotaemia exceeding 500 mg./l. in 5.4%. Respiratory disturbances are also rare (11%). In 33% of cases, alterations in the CSF (10-500 elements)

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were observed. The leucocyte count varies. The ESR is nearly always increased. (L, 6)

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EXCERPTA MEDICA Sec 12 Vol 5/10 Public Health Oct 59

2899. THE CLINICAL PICTURE OF LEPTOSPIROSIS IN THE REGION OF BUCHAREST. III - Aspectul clinic al leptospirozelor din regiunea Bucureşti. III - Baiş M., Şebănescu Fl., Sterescu P., Tofan N., Căruntu F., Roman A. and Ţiţeica M. - PROBL. TER. (Bucureşti) 1958, 9/2 (131-136) Illus. 16

L. pomona 396 is the strain most frequently observed in Roumania. It provokes a benign disease which, in 40 to 60% of cases, involves the meninges. No fatal cases have been reported. L. pomona Prague causes a benign disease, occasionally accompanied by pulmonary complications. In the region of Timişoara, it was detected in 83% of cases, provoking icteric forms in a large proportion (45%). L. canicola occupies 3rd place, frequently provoking a very prolonged disease, which assumes an icteric form; fatal cases have been reported. L. icterohaemorrhagiae occupies 4th place from the point of view of incidence; it causes a very severe and prolonged disease, which often produces hepatorenal lesions (15-50%). In the Roumanian People's Republic, the course may also be benign. The various forms of leptospirosis registered in this country generally have a benign course and a low mortality. Antibiotic treatment has been abandoned, in view of the benignity of the cases observed in this country, and the failures registered in treatments with penicillin and chlortetracycline.

(L, 6, 17)

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BALS,M.,Prof.; SERBANESCU,Fl.; CARUNTU,Fl.; TOFAN,N.; HOTNOG,E.

On certain clinical and anatomicopathological problems in tetanus.
Rumanian M. Rev. 4 no.1:35-36 Ja-Mr '60.
(TETANUS)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

BALSH, M. [Bals, M.]; ROMAN, A.; YELIAN, M.

Synergistic effect of cycloserine in association with other antibiotics in relation to Staphylococcus. Antibiotiki 5 no.2:85-87 Mr-Ap '60. (MIRA 14:5)

1. II klinika infektsionnykh bolezney, Bukharest, Rumyniya.
(ISOXAZOLIDINONE) (STAPHYLOCOCCUS)
(ANTIBIOTICS)

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Study on a possibility of clinical utilization of the synergism between cycloserine and other antibiotics in the treatment of infections caused by staphylococci resistant to penicillin. Report No.2. Antibiotiki 5 no.9:32-35 My-Je '60. (MIRA 14:6)

1. II klinika infektsionnykh bolezney, Bukharest.
(ISOXAZOLIDINONE) (STAPHYLOCOCCAL INFECTIONS)
(ANTIBIOTICS)

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BALS, M., prof.; SERBANESCU, Florica; CARUNTU, F.; TEINDEL, Cl.; JIPA, Gh.

The incidence of specific allergy to histoplasmin in the patients admitted to the 2nd Clinic of Communicable Diseases, Bucharest. Rumanian M Rev. no.3:17-18 '61.
(HISTOPLASMOSIS statistics)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103320013-8

BALS, M. (Pm)

SURNAME (in caps); Given Names

Country: Rumania

Academic Degrees:

Affiliation: -not given-

Source: Bucharest, Microbiologia, Parazitologia, Epidemiologia, Vol VI, No 5, Sep-Oct 1961, pp 409-410.

Data: "Detection of the Influenza Virus in the Chorio-Allantoic Membrane of the Embryonated Hen's Egg by the Method of Fluorescent Antibodies."

Authors:

BALS, M., -Prof.-
NAFTA, I., -Dr.-
ZILISTEANU, Eugenia, -Dr.-
GROBNICU, Mina, -Dr.-

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Synergy in vitro between cycloserine and other antibiotics in presence of staphylococci. Microbiologia (Bucur) 6 no.1:64 Ja-F '61.

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Further attempts to sterilize chronic carriers of typhoid bacilli with pyrrolidone-methyltetracycline (Reverin), with Reverin plus 5-nitro-2-furaldehyde semicarbazone and with kanamycin (Resistomycin). Med. intern., Bucur 13 no.4:549-552 Ap '61.

1. Lucrare efectuata in Clinica a II-a de boli contagioase, "Colentina".
(TYPHOID therapy) (PYRROLIDONES therapy)
(ANTIBIOTICS therapy) (NITROFURANS therapy)

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Indications and limitations of antibiotic treatments. Med. inter., Bucur 13 no.6:845-855 Je '61.

1. Clinica a II-a de boli contagioase Bucuresti.
(ANTIBIOTICS therapy)

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Study on the use of the Sereny pathogenicity test in the isolation of Shigella. Arch. Roum. path. exp. microbiol. 20 no.3:365-373 S.'61.

1. Travail de l'Hopital de Maladies Contagieuses No.1 Colentina avec la collaboration du Service des Enterobacteriaceas (dr. Gh. Istrati) de l'Institut "Dr. I. Cantacuzino".
(SHIGELLA)

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G.

BALS, M.; ROMAN, Aurelia

Intracellular visualization of the zoster virus (by the indirect fluorescent antibody technique with varicella convalescent serum and fluorescent antihuman serum). Rumanian med. rev. no.2:14-15 '62.

(HERPESVIRUS) (FLUORESCENT ANTIBODY TECHNIC)

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A method of orientation by means of fluorescent antibodies in the coprological diagnosis of typhoid fever. Rumanian med. rev. no.2: 15-17 '62.

(TYPHOID) (FLUORESCENT ANTIBODY TECHNIC)

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Corticotherapy in infections. Stud. cercet. inframicrobiol. 13 no.5: 625-633 '62.

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(ADRENAL CORTEX HORMONES) (INFECTION)
(COMMUNICABLE DISEASES)

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BALS, M. [affiliation not given]

"The Theory of Information in Biology."

Bucharest, Studii si Cercetari de Inframicrobiologie, Vol 14, No 5, 1963, pp 661-668.

Abstract: A succinct review of the theory of information and its contribution to the understanding of biological phenomena. Discusses the two methods of investigation used: the static morphological approach and the kinetic-dynamic approach, as well as the various experimental techniques. Also considers the interdependence of biological phenomena as well as the nature and process of information.

Includes 1 table and 4 figures.

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"Medical microbiology, immunoloty, and epidemioloty" by [prof.] Georg Wildfuhr. Reviewed by M.Bals. Microbiologia (Bucur) 6 no.1:86 Ja-F '61.

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BALSH, Matey G.[Bals, Matei G.], prof.

[Introduction to the study of infectious diseases. Translated from the Rumanian] Vvedenie v uchenie ob infektsionnykh bolezniakh. Bucharest, Izd-vo "Meridiany," 1961. 665 p. (MIRA 18:2)

1. Zaveduyushchiy kafedroy infektsionnykh bolezney fakul'teta usovershenstvovaniya vrachey Bukharestskogo meditsinskogo instituta.

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The unsolved problem of antibiograms. Arch. Roum. path. exp. microbiol. 22 no.1:219-222 Mr '63.

1. Travail de l'Institut Medico-Pharmaceutique - Bucurest - II-e Clinique de Maladies contagieuses.
(BACTERIA) (PHARMACOLOGY) (ANTIBIOTICS)

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BALS, Matei, prof.

"Medical microbiology, immunology, and epidemiology" by Georg Wildfuhr. Vol. 2. Reviewed by Matei Blas. Microbiologia (Bucur) 6 no. 1:93-94 Ja-F '62.

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BALS,M., prof.; SERBANESCU, Fl., dr.; CARUNTU, Fl., dr.; TAINDEL, Cl.,dr.; JIPA, Gh., dr.; PREDOVICIU, F.M., dr.

Acute azotemias during infectious diseases. Med. intern. 16 no.2: 193-203 F'64

1. Lucrare efectuata in Clinica a II-a de boli contagioase I.M.F., Bucuresti.

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Contribution to the rapid diagnosis, by immunofluorescence, of infection and immunity in smallpox and vaccinia. Stud. cercet. inframicrobiol. 16 no.3:211-216 '65.

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RUMANIA 576.8.093.35:576.8.073.4

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Use of Immunofluorescence to Detect the Appearance and Evolution of Vaccinal Antigen in Cell Cultures."

Buchares, Studii si Cercetari de Inframicrobiologie, Vol 17, No 5, 66, pp 359-363.

Abstract: A direct immunofluorescent technique was used to demonstrate the presence of vaccinal virus in human embryo fibroblastic cells, HeLa cells and KB cells. The fluorescent antigen appeared in HeLa cells 6 hours after infection and in the other two types of cells 8 hours after infection, i.e., earlier than histropathologic changes which appear after 12 to 18 hours. The infectious virus was found 18 hours after inoculation and hemagglutinating properties after 48 hours. Includes 4 figures and 15 references, of which 8 Rumanian, 2 Russian and 5 Western. -- Manuscript submitted 4 June 1966.

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RUMANIA/Human and Physiology - Metabolism. V-2

Abs Jour : Ref Zhur - Biol., No 4, 1958, 17874

Author : M.G., Bals
Inst : -
Title : The Circulation of Water and Electrolytes.

Orig Pub : Viata med., 1956, No 9, 18-38.

Abstract : The physical properties and physiological role of water and electrolytes are described. By means of tables and diagrams the author demonstrates the complexity of water-electrolyte circulation: the unequal distribution of water and electrolytes in the human organism and its causes, the rate of their circulation, paths and mechanisms of absorption and excretion, hydroelectric equilibrium, water and salt balance. Consideration is given to the processes of osmosis, electrolyte concentration, renal physiology, absorption of glucose, Cl, Na and K, the role of hormones, the phenomena of acidosis and alkalosis, and the mechanism of thirst.

Card 1/1

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