

CZECHOSLOVAKIA

S, RIKOVSKY, R. NAGLOVA and M. ZAPLETALEK, Psychiatric Hospital Sternberk, and Psychiatric Clinic of Medical Faculty Palacky University Olomouc.

"Our Experiences with Theralene in Psychiatry."

Prague, Activitas Nervosa Superior, Vol 5, No 2, May 63; pp 199-200.

Abstract : Alimemazine was used in 6 adult psychiatric patients, 300 to 500 mg./day for 5 days, alternating with 5 days of placebo, repeating cycle, carefully evaluating results. Drug improved all; in 2 patients this improvement was continued while on placebo, not in the rest. Minor side effects in all. In 18 children aged 6 to 13 and treated with peroral syrup form it was less effective. Four Western and 1 Czech ref.

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CZECHOSLOVAKIA

M. ZAPLETÁLEK and S. KOMENDA, Psychiatry Clinic and Department of Medical Physics of Medical Faculty of Palacký University (Psychiatrická klinika a Ústav lékařské fyziky lékařské fakulty Palackého University,) Olomouc.

"Effect of Thiridazine on K, Ca and P in Schizophrenic Psychoses."

Prague, Activitas Nervosa Superior, Vol 5, No 2, May 63; pp 194-195.

Abstract : Study of blood levels of K, Ca and P in 20 schizophrenics on day before and 2 h after 100 mg. thioridazine perorally. There was no significant difference, confirming previous results with a 50 mg. tablet. Table; 2 Western and 4 Czech references.

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ZAPLETALER, M.

- [illegible]

ZAPLETALEK, M.; HAJCMAN, L.; LISONKOVA, D.; VOBORSKA, D.; KOMENDA, S.

Some aspects of the treatment of depressive conditions with tofranil and nozinan. Aktiv. nerv. sup. 3 no.2:232-233 '61.

1. Psychiatricka klinika PU, Ustav lekarske fyziky PU v Olomouci.

(DEPRESSION ther) (PSYCHOPHARMACOLOGY)

ZAPLETALEK, M.; KOMENDA, S.; VACKOVA, M.

Effect of phenmetrazine on basal metabolism in depressive conditions.
Activ. nerv. sup. 3 no.2:206 '61.

1. Psychiatricka klinika PU Ustav lekarske fysiky PU v Olomouci.

(PHENMETRAZINE ther) (DEPRESSION ther)
(BASAL METABOLISM pharmacol)

ZAPLETALEX, M.; KOMENDA, S.

Effect of Melleril on serum potassium, calcium and phosphorus in schizophrenia. *Activ. nerv. sup.* 4 no.2:207-208 '62.

1. Psychiatricka klinika lekarske fakulty Palackeho university a Ustav lekarske fyziky lekarske fakulty Palackeho university v Olomouci.

(SCHIZOPHRENIA ther)	(TRANQUILIZING AGENTS ther)
(POTASSIUM blood)	(CALCIUM blood)
(PHOSPHORUS blood)	

ZAPLETALEK, M.; VACHOVA, M.; KOMENDA, S.

Effect of meratran on basal metabolism in depressive states. Aktiv.
nerv. sup. 3 no.2:210-211 '61.

1. Psychiatricka klinika PU, Jstav lekárske fyziky PU Olomouc.

(DEPRESSION ther) (PIPRADROL ther)
(BASAL METABOLISM pharmacol)

ZAPLETALEK, Miroslav

Effect of chlorpromazine and reserpine on the potassium-calcium quotient in neuroses. *Cesk.psychiat.* 57 no.1:11-15 F '61.

1. Psychiatricka klinika lekárske fakulty University Palackého v Olomouci.

(CHLORPROMAZINE pharmacol)

(RESERPINE pharmacol)

(POTASSIUM metab)

(CALCIUM metab)

(NEUROSES metab)

BLAHA, V., prom. lekar; CAKRTOVA, E.; SLEPICKA, J.; ZAPLETALOVA, E.; VOLF, J.

Noise hazards in iron works. Prace. lek. 17 no.3:95-101 Ap'65.

1. Odbor hygieny práce, Krajská hygienicko-epidemiologická stanice v Ostravě (vedoucí V. Blaha, prom. lékař) a Oddělení chorob z povolání Krajské nemocnice s poliklinikou v Ostravě (vedoucí: MUDr. J. Rosmanith).

ZAPLETALSK, Miroslav (Prerov, Dluhonska 75)

Dynamics of the autonomic nervous system before & after sleep therapy.
Cas. lek. cesk. 97 no.30:953-956 18 July 58.

1. Psychiatricka klinika PU Olomouc, prednosta doc. dr. O. Vymetal
(AUTONOMIC NERVOUS SYSTEM, physiol.
dynamics before & after sleep ther. (Cz))
(SLEEP, ther. use
dynamics of autonomic NS before & after sleep ther. (Cz))

CZECHOSLOVAKIA

UDC 613.64:612.014.481

SLEPICKA, Jiri; SLIVOVA, Anna; POCHMON, Otakar; ZAPLETALOVA, I.;
 Department of Occupational Diseases (Oddeleni Chorob z Povolani)
 Chief (Prednosta) Dr L. EISLER, and Neurological Department (Neu-
 rologicke Oddeleni), Chief (Prednosta) Dr V. BARTOUSEK, Krajska
 Hospital (Nemocnice) with Polyclinic (s Poliklinikou), Ostrava;
 Department of Hygiene of Work Krajska Station of Hygiene and Epid-
 emiology of the Northern Moravia Kraj (Odbor Hygieny Praco KRES
 Severomoravskoho Kraje) Ostrava, Head (Vedouci) Dr Z. JIRAK

"Effect of Electromagnetic Radiation in the Frequency Range of
 Motor Waves on Workers on Short-Wave Transmitters."

Prague, Pracovni Lekarstvi, Vol 19, No 1, Jan 67, pp 5 - 11

Abstract [Authors' English summary modified]: 30 employees work-
 ing at short wave, and 19 working at medium wave transmitters were
 examined. The short wave transmitters exercise a stronger influence
 causing mainly a neurasthenic syndrome; 84% of abnormal findings
 were in the evaluation of the EEG. Deviations in the glyceimic curve
 and an increase in the gamma-globulin content were also found.
 Permanent tests of EEG should be introduced for the employees ex-
 posed to the wave hazard. 7 Figures, 3 Tables, 10 Western, 2 Czech,
 1 Polish reference. (Ms. rec. 3 Dec 65)

ZAPLETALOVA, I.; CICHÁ, I.

"Notes on the age of the basal miocene clastics in the environs of Stefanov and
 Petrova ves in the Vienna basin."

VESTNIK, Praha, Czechoslovakia, Vol. 33, No. 6, 1958

Monthly list of EAST EUROPEAN ACCESSIONS (EEAI), LC, Vol. 8, No. 7, July 1959, Unclass

ZAPIETALOVA, I.

Contribution to the knowledge of the Lower and middle Miocene in the northeastern part of the Vienna basin.

p. 63 (Prague. Ustav pro naftovy vyzkum. Prace. No. 23/25, 1956, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2, February 1958

ZAPLETALOVA, I.

"The present-day situation of the microstratigraphic investigation of the Tortonian in the depression of Lower Moravia."

p.409 (Vestnik, Vol. 32, no. 6, 1957, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 8, August 1958

ZAPLETALOVA, I.; CICHÁ, I.

Notes on the age of the basal Miocene clastics in the environs of Štefanov and Petrova Ves in the Vienna Basin. p. 440

Prague. Ústřední ústav geologický, VESTNÍK. Prague, Czechoslovakia, Vol. 33, no. 6
1958

Monthly List of East European Accessions (EEAI), LC, Vol. 8, no. 11, Nov. 1959
Uncl.

LISONKOVA, D.; ZAPLETALOVA, J.; KUBANEK, L.

Preliminary communication on the effect of some further psychopharmaca
in neurotic changes of pre-start conditions. *Activ. nerv. sup.* 4 no.2:
212-213 '62.

1. Psychiatricka klinika lekarske fakulty Palackeho university v
Olomouci, KTV prirodovedecke fakulty v Olomouci.

(PSYCHOPHARMACOLOGY) (SPORTS)

ZAPLETIN, N.V.; GAL'CHINSKAYA, V.V., tekhn. red.

[Electronic ATS-20/100 automatic telephone exchange]
Elektronnaya ATS-20/100; uchebnoe posobie. Leningrad,
Leningr. elektrotekhn.in-t svyazi, 1962. 74 p.
(MIRA 16:10)

(Telephone)

85558

S/044/60/000/008/008/035
C111/C222

16.9.00 (1031, 1121, 1132)

AUTHOR: Zapletin, N.V.

TITLE: Matrix method for the investigation and synthesis of relay contact networks

PERIODICAL: Referativnyy zhurnal. Matematika, no.8, 1960, 47,
abstract no.8708. Sb. tr. Leningr. elektrotekhn. in-ta
svyazi, 1957, no.3 (33), 143-150

TEXT: The author describes some methods for simplifying multipolar contact circuits which are represented by quadratic matrices the elements of which are Boolean functions. The base of these simplifications is the following method: Let $f(i,k)$ be the immediate admittance between the poles (knots) i and k ; $Sf(i,k)(n-2)$ -- the complete admittance between the same poles for an exclusion of the immediate admittance $f(i,k)$. The author compares $f(i,k)$ with $Sf(i,k)(n-2)$ and separates from $f(i,k)$ those disjunctive terms (and together with them the contacts of the corresponding branch of the network) which are also contained in $Sf(i,k)(n-2)$. The congruence operation is denoted by the author with the sign $\approx$ (and also $=$). and the functions $f(i,k)$ and $Sf(i,k)(n-2)$ are called equivalent or similar; that contradicts the

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0111/C222

Matrix method for the investigation...

generally usual notations and terminology. Indeed, if in the usual sense it would hold $f(i,k) = Sf(i,k)(n-2)$ then the branch $f(i,k)$ of the network could be omitted. Then the described method is used for introducing additional knots and bridges.

[Abstractor's note: The above text is a full translation of the original Soviet abstract.]

Card 2/2

ZAPLETIN, N. V.

INDEX OF REFERENCES

Indicatively electrostimulation method used for the treatment of the following diseases:

1. Paralysis of the lower extremities (paresis of the lower extremities).

2. Paralysis of the lower extremities (paresis of the lower extremities).

3. Paralysis of the lower extremities (paresis of the lower extremities).

4. Paralysis of the lower extremities (paresis of the lower extremities).

5. Paralysis of the lower extremities (paresis of the lower extremities).

6. Paralysis of the lower extremities (paresis of the lower extremities).

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33. Paralysis of the lower extremities (paresis of the lower extremities).

34. Paralysis of the lower extremities (paresis of the lower extremities).

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40. Paralysis of the lower extremities (paresis of the lower extremities).

41. Paralysis of the lower extremities (paresis of the lower extremities).

42. Paralysis of the lower extremities (paresis of the lower extremities).

43. Paralysis of the lower extremities (paresis of the lower extremities).

ZAPLETNYAK, G., student

Effect of foliar feeding on the growth, development, and yield of
cucumbers. Uch. zap. Ped. inst. Gerts. 178:155-163 '59.
(MIRA 14:7)
(Cucumbers--Fertilizers and manures)

L 1912-66 EWT(m)/EPF(c)/EWP(j)/T RPL WJ/RM

ACCESSION NR: AP5024496

UR/0191/65/000/010/0004/0006

AUTHOR: Andreyeva, I. N.; Zapletnyak, V. M.; Severova, N. N.; Arkhipova, Z. V.

TITLE: Copolymerization of ethylene with propylene using certain organometallic catalysts

SOURCE: Plasticheskiye massy, no. 10, 1965, 4-6

TOPIC TAGS: ethylene, propylene, copolymerization, catalytic polymerization, polymerization rate, copolymer, polymerization catalyst, organoaluminum compound

ABSTRACT: The relative activity of ethylene and propylene in their copolymerization using Ziegler-Natta catalysts was studied to obtain data necessary for the production of copolymers having valuable technical properties. The relative activity of propylene during copolymerization with different catalyst systems decreased in the following order: (1) $\text{Al}(\text{C}_2\text{H}_5)_2\text{Cl} + \text{TiCl}_4$; (2) $\text{Al}(\text{C}_2\text{H}_5)_3 + \text{TiCl}_4$; (3) $\text{Al}(\text{C}_2\text{H}_5)_3 + \text{VOCl}_3$; (4) $\text{Al}(\text{C}_2\text{H}_5)_2\text{Cl} + \alpha\text{-TiCl}_3$; and, (5) $\text{Al}(\text{C}_2\text{H}_5)_3 + \alpha\text{-TiCl}_3$. Change in catalyst concentration had no effect on the activity of the monomers. Change in the ratio of catalyst components in catalysts (4) and (5) did not change

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L 3912-66
ACCESSION NR: AP5024496

the composition of the copolymer, but decrease in the ratio of the aluminum alkyl in the other catalyst systems led to an increase in the propylene content in the copolymer made with catalysts (1) and (2), and a decrease in propylene when using catalyst (3). The copolymerization constants have the same values when catalyst systems (4) or (5) are used or when the $\text{Al}(\text{C}_6\text{H}_{13})_3 + \kappa\text{-TiCl}_3$ system is used, indicating that different aluminum alkyl derivatives in combination with $\kappa\text{-TiCl}_3$ do not change the relative activity of the monomers. The copolymerization constants change significantly with a change in the aluminum organic derivatives in systems based on TiCl_4 . This is apparently due to the different reductivity of the aluminum organic derivatives and subsequent formation of different active centers. Orig. art. has: 2 tables, 1 figure and 2 equations.

ASSOCIATION: None

SUBMITTED: 00

ENCL: 00

SUB CODE: OC, MT

NR-REF SOV: 002

OTHER: 004

Chen
Card 2/2

ANDREYEVA, I.N.; ZAPLETNYAK, V.M.; SEVEROVA, N.N.; ARKHIPOVA, Z.V.

Copolymerization of ethylene and propylene with the use of some
organometallic catalysts. Plast. massy no.10:4-6 '65.
(MIRA 18:10)

L 44579-66 EWT(m)/EWP(j)/T WW/RM

ACC NR: AP6015671 (A) SOURCE CODE: UR/0413/66/000/009/0076/0076

INVENTOR: Zapletnyak, V. M.; Varfolomeyeva, L. S.; Arkhipova, Z. V.

ORG: none

TITLE: Preparation of polyethylene or copolymers of ethylene with Alpha-olefins. Class 39, No. 181292, announced by the State Scientific Research Institute of Polymers (Gosudarstvennyy nauchno-issledovatel'skiy institut polimerizatsionnykh plastmass)

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 9, 1966, '66

TOPIC TAGS: copolymer, olefin, polyethylene, ethylene olefin copolymer

ABSTRACT: This Author Certificate introduces a method of obtaining polyethylene or copolymers of ethylene with alpha-olefins in a hydrocarbon solvent at temperatures ranging from -30 to 80C in the presence of a catalyst consisting of vanadium and organoaluminum compounds soluble in hydrocarbons. To increase the yield of polymers

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UDC: 678.742.2.044:678.742.2-134.2.044

L 44579-66

ACC NR: AP6015671

or copolymers, the polymerization is carried out in the presence of halogenated hydrocarbons, such as pentachlorethane, as the third component of the catalyst.
[Translation]

(LD)

SUB CODE: 11/ SUBM DATE: 28Jun65/

Card 2/2

ACC NR: AP7001822

(Δ,N)

SOURCE CODE: UR/0119/66/000/012/0009/0010

AUTHOR: Zapletokhin, V. A. (Engineer)

ORG: none

TITLE: Design of the flat metal diaphragm whose deflection is specified

SOURCE: Priborostroyeniye, no. 12, 1966, 9-10

TOPIC TAGS: metal diaphragm, manometer

ABSTRACT: The diaphragm is described by this equation: $\frac{pR^4}{Eh^4} = 5.86 \frac{\lambda}{h} + 3.58 \left(\frac{\lambda}{h} \right)^2$.

where p - pressure, R - radius, E - elasticity modulus, λ - central deflection, h - diaphragm thickness. With R set by general instrument-design dimensions, an approximate graphic solution of this equation permits determining h. With now known diaphragm dimensions, its strength can be ascertained from conventional formulas for maximum equivalent stresses at the center and periphery of a diaphragm. Auxiliary curves for calculating stresses in the most hazardous section (at the periphery) are supplied. Orig. art. has: 2 figures and 12 formulas.

SUB CODE: 13 / SUBM DATE: none / ORIG REF: 001

Card 1/1

534.121.2:539.38

Z. APLETOVA, M.

ZAPLETALOVA M., ULICNA

Kuze a rezimozok. [The skin and the diencephalon] Cesk. dermat.
25:4 1 Apr 50 p. 150-4

1. Of the Skin Clinic in Kosice (Head--Prof. E. Maly, M. D.).

CML 19, 5, Nov. 50

66-13

Properties of products obtained from mixtures of natural and synthetic high-molecular compounds. Z. A. Rogovin and L. A. Zaplina. *Org. Chem. Ind.* (U. S. S. R.) 5, 455 (1959). A preliminary communication. The addn. of 5-20% Novolac to 10% cellulose acetate in Me₂CO resulted in 35-60% increase of the mech. strength of films dried at 65-140° for 5 hrs. The elasticity, elongation and hygroscopicity decreased. The intense coloring of the films limits their use in com. practice.

Chas. Blanc

ASB 55.6 DETAILING LITERATURE CLASSIFICATION

ZAPLITNAYA, A.T. [Zaplitna, H.T.]

Approximate method for solving nonlinear operator equations.
Dop. AN URSR no.11:1434-1437 '65.

(MIRA 18:12)

1. Institut matematiki AN UkrSSR.

L 17787-66 EWT(d) IJP(c)
ACC NR: AF6004645

SOURCE CODE: UR/0041/65/017/005/0110/0114

AUTHORS: Daletskiy, Yu. L. (Kiev); Zaplitnaya, A. T. (Kiev) 22
8

ORG: none

TITLE: Integrals over a "tree" space that are connected with nonlinear parabolic equations

SOURCE: Ukrainskiy matematicheskiy zhurnal, v. 17, no. 5, 1965, 110-114

TOPIC TAGS: Cauchy problem, parabolic differential equation, nonlinear equation, multiple integral, polynomial, mathematic space

ABSTRACT: ^{14, 44, 55}Representations of nonlinear parabolic equations in the form of integrals over a trajectory space are obtained. Their relationship with the difference schemes corresponding to the examined differential equations is studied. The problem was formulated earlier (Yu. L. Daletskiy, S. V. Fomin, Teor. veroyatn. i yeye primen., t. X, v. 2, 1965). A differential equation with polynomial nonlinearity of the form

$$\frac{\partial u(x, t)}{\partial t} = L(u) + \sum_{k=2}^n b_k(t, x) [u(t, x)]^k \quad (-\infty < x < \infty, t \geq 0)$$

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ACC NR: AP6004645

is examined, where L is a first-order differential operator. The coefficients are such that local solvability of the Cauchy problem for the equation is ensured with the initial condition

$$u(0, x) = \varphi(x).$$

A space $\mathcal{M}(T, x_j)$ of multivalued functions having at each point $(\tau_j, x_{k_j}(\tau_j))$ a

branching point of multiplicity κ_j is introduced. The elements of this space are called "trees." The series

$$u(T, x_j) = \mu_{b, \varphi}(\mathcal{M}) = \sum_{(k, \kappa)} \mu_{b, \varphi}(\mathcal{M}_{k, \kappa}(T, x_j))$$

is absolutely convergent and is a solution of the Cauchy problem, which is proved by direct substitution of the values of the terms into the equation. Under the given conditions,

$$u(T, x_j) = \int_{\mathcal{M}} \exp \left\{ \int_0^T V(x(t), t) dt \right\} d\mu_{b, \varphi}(Q)$$

is the solution of the Cauchy problem for the equation

$$\frac{\partial u}{\partial t} = L(u) + V(x, t)u + \sum_{k=2}^m b_k(t, x)u^k(t, x), \quad u(0, x) = \varphi(x).$$

Orig. art. has: 19 formulas.

Card 2/2 ⁷⁰⁰ SUB CODE: 12/ SUBM DATE: 09Jun65/ ORIG REF: 005/ OTH REF: 001

L 14436-66 EWT(d) IJP(c)

ACC NR: AP6002643

SOURCE CODE: UR/0021/65/000/011/1434/1437

AUTHOR: Zaplitna, H. T. -- Zaplitnaya, A. T.

ORG: Institute of mathematics, AN UkrSSR (Instytut matematyky AN URSR)

TITLE: An approximate method of solution of nonlinear operator equations.

SOURCE: AN UkrRSR. Dopovidi, no. 11, 1965, 1434-1437

TOPIC TAGS: Banach space, asymptotic solution, nonlinear theory, operator equation

ABSTRACT: This paper is a specialization of an earlier paper by Yu. L. Dalets'kyy (UMN, 17, 3, 1962). In equations.

$$\frac{du}{dt} = -A(t)u + B(t, u) \quad 0 \leq t \leq 1,$$

$$u(0) = u_0.$$

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ACC NR: AP6002643

the operator $A(t)$ is assumed linear and $B(t, u)$ nonlinear. For short intervals the solution of this nonlinear operator equation in Banach space is approximately equal to a function obtained by successive approximations of the simpler equation system

$$\frac{du}{dt} = -A(t)u,$$

$$\frac{d\omega}{dt} = B(t, \omega), \quad \omega(\tau, \tau, v) = v.$$

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ACC NR: AP6002643

The simplified results are subsequently matched to yield the complete solution. The paper was presented by Academician Yu. O. Mytropol's'kiy, Member of AN UkrSSR. Orig. art. has: 14 formulas.

SUB CODE: 12 / SUBM DATE: 24Oct64 / ORIG REF: 005 / OTH REF: 001

CC
Card 3/3

ZAPOTOCKY, Josef

Looking forward to the 12th Congress of the Communist Party
of Czechoslovakia. Drevo 17 no.2:35 F '62.

1. Vedouci oddeleni vyrobne masove prace, Ustredni vybor
odborove skupiny zamestnancu spotrebniho prumyslu.

ZAPLONCZAY, Istvan

Practical necessity of standardized concrete qualities. Epitoanyag
15 no.8:319-321 Ag '63.

BASINSKI, Antoni; SZYMANSKI, Wojciech; KRYGIER, Alicja; ZAPLOWSKA, Gabriela

Conductometric and radiometric studies on the composition of mercuric ferrocyanide. Roczniki chemii 37 no.11:1345-1350 '63.

1. Department of Physical Chemistry, N. Copernicus University, Torun.

ZAPLOTYNSKIY, A.A.

Discussion of the reorganization plan of a mine. Ugol" Ukr.
5 no.10:47 0 '61. (MIRA 14:12)
(Donets Basin--Coal mines and mining)

ZAFLOTYNSKIY, A.A., inzh.

Achieve high quality in the plans for mine reorganization.
Ugol' Ukr. 6 no.8:12-13 Ag '62. (MIRA 15:11)
(Dorots Basin--Mining engineering)

ZAPLOTYNSKIY, A.A.

Meeting of the permanent commission of mine reorganization and
modernization. Ugol' Ukr. 6 no.11:47-48 N '62. (MIRA 15:12)
(Donets Basin--Coal mines and mining)

ZAILOTYNSKIY, A. A.

Projects approved for reconstructing mines. Ugol' Ukr, 7 no.4:
47-48 Ap '63. (MIRA 16:4)

(Ukraine—Coal mines and mining)

SERGIYENYA, K.; ZAPLUTAKHIN, A., profgruporg, brigadir brigady kommunis-
ticheskogo truda: GRIGORIYEV, N.

People of inspired labor; reviewed of readers' letters. Sov.
profsoiuzu 17 no.7:27-28 Ap '61. (MIFA 14:3)

1. Predsedatel' sudkoma teplokhoda "Floreshty" (for Grigor'yev).
 (Socialist competition)

ZAPOL', B.; KUNIN, P.; TAKSAR, I.; TSIRULE, Z. [Cirule, Z.]

Effective potential method for calculating the energy
spectrum and wave functions of univalent atoms. Izv. AN
Latv. SSR no.10:54-56 '63. (MIRA 17:1)

ANK 6035428

SOURCE CODE: OR/0131/CG/000/009/1015/1016

AUTHOR: Golovin, S. A.; Mokrov, A. P.; Shishkhanov, T. S.; Zapol', Yu. N.

TITLE: Study of physical and mechanical properties of deformed and annealed molybdenum

SOURCE: Ref. zh. Metallurgiya, Abs. 91513

REF SOURCE: Sb. Proiz-vo stali i splavov i vliyaniye obrabotki na ikh svoystva. Tula, 1965, 36-41.

TOPIC TAGS: molybdenum, metal deformation, annealing, x ray scattering, metal rolling, crack propagation, metal hardening, metal aging, metal recrystallization

ABSTRACT: The authors studied the change in the microstructure, the mechanical (σ_b , H_b , S) and physical properties (distortions of the second kind $\Delta n/c$ in the [100] direction, and dimensions of the regions of coherent scattering of x rays) of molybdenum as a function of the annealing temperature (300 - 1100°) at different rolling thicknesses (1.2 and 6 mm). At the instant of deformation by rolling, large microstresses develop, the magnitude of which in strongly deformed regions can exceed the σ_b of the material. The microcracks or microscopic incipient cracks which are produced in this manner can be one of the causes of the stratification of the rolled section. With increasing annealing temperature of the deformed molybdenum, hardening of the metal is observed in the interval 400 - 500° and is attributed to the deformation aging. Above ~600°, up to the recrystallization temperature, intense weakening is observed. With decreasing thickness of the rolled section, the temperature of the recrystallization drops (from

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UDC: 669.28: 620.17

ACC NR: AR6035428

1000 to 850°). In the recrystallized molybdenum, one observes separation of brittle phases which apparently are compounds of the impurities (C, N) with the molybdenum. The presence of such phases can also lead to microscopic incipient cracks during the process of hot rolling of the sheet, owing to the unequal coefficient of thermal expansion of the matrix and of the phase. I. Talupova [Translation of abstract]

SUB CODE: 11

Card 2/2

ZAPOLIN, V., gvardii leytenant

From a story to a lecture. Koman. Vooruzh. Sil 5 no.20:64-65
0 '64. (MIRA 17:11)

ACC NR: AR7004682

SOURCE CODE: UR/0277/66/000/010/0019/0019

AUTHOR: Golovin, S. A.; Mokrov, A. P.; Shishkhanov, T. S.; Zapol', Yu. N.

TITLE: Study of the physical and mechanical properties of formed and annealed molybdenum

SOURCE: Ref. zh. Mashinostroitel'nyye materialy, konstruksii i raschet detaley mashin. Gidroprivod. Abs. 10.48.116

REF SOURCE: Sb. Proiz-vo stali i splavov i vliyaniye obrabotki na ikh svoystva. Tula, 1965, 36-41.

TOPIC TAGS: molybdenum, metal physical property, molybdenum micro structure, molybdenum physical property, molybdenum mechanical property

ABSTRACT: Changes in the microstructure, physical and mechanical properties (p. 113, 6) of molybdenum as a function of annealing temperature ranging from 300 to 1100 C were studied for various gages of rolled material (1, 2 and 6 mm). There are five illustrations and a bibliography of 3 titles. [DW]

[Translation of abstract]

SUB CODE: 13/

Card 1/1

UDC: 669.28

ZAPOL'NOV, D. P.

KAZHDAN, I. M., INzh. i, SURIN, S. P., Kand. Tekhn. Nauk., ZAPOL'NOV, D. P.,
Mekhank.

Peningradskoye Otdeleniye Vsesoyuznogo Nauchno-Issledovatel'skogo Instituta
Ministerstva Stroitel'stva Predpriyatiy Mashinostroyeniya

Abtomaticheskii Deystvuyushchiiy Pribor dlya Udaleniya Vozdukha IZ Sistem
Tsentral'nogo vodyanogo Otopleniya Page 49

SO: Collection of Annotations of Scientific Research Work on Construction, completed
in 1950. Moscow, 1951

ZAPOL'SKAYA, A. N.; KURDINA, A. A.; MALININA, K. N.; PANFEROVA, Ye. A.

Relation of dysentery to hymenolepiasis. Med. parazit. i parazit. bol.
24 no.4:308-310 C-D '55. (MLHA 9:1)

1. Iz Leningradskoy protivomalyariynoy stantsii (zav. R. M. Soboleva)
(TAPEWORM INFECTION, in infant and child,
hymenolepiasis, relation to dysentery)
(DYSENTERY, in infant and child,
relation to hymenolepiasis)

SLEPZIESKI, Roman; ZAPOLSKA, Anna

Nuclear quadrupole resonance. Postepy fizyki 15 no. 2:
213-231 '64.

1. Institute of Physics, Jagiellonian University, Krakow.

KUBARIKOV, P.G.; ZAPOL'SKAYA, G.I.

Characteristics of the clinical course of nephrolithiasis in
children, *Pediatrics* 42 no.3: 38-41 Mar '63 (MIRA 17:2)

1. Iz gosspital'noy khirurgicheskoy kliniki (zav. - prof.
S.Yu. Minkin) Permskogo meditsinskogo instituta i Permskoy
oblastnoy klinicheskoy bol'nitsy (glavnyy vrach V.V. Pleshkov).

L 1352-66 ENP(j)/ENT(m) RM

ACCESSION NR: AP5024396

UR/0286/65/000/015/0080/0080

679 743.22-426

AUTHOR: Kiya, N. V.; Rotenberg, I. P.; Khramova, Z. H.; Khobotova, Ye. N.;
Zapol'skaya, K. I.; Labedeva, V. S.; Kupriyanova, K. I.; Karmanskaya, N. A.;
Kinelev, H. P.; Yerechin, V. I.; Lopatentova, N. A.

TITLE: A method for producing polyvinyl chloride foam. Class 39, No. 173403

SOURCE: Byulleten' Izobreteniy i tovarnykh znakov, no. 15, 1965, 80

TOPIC TAGS: polyvinyl chloride, foam plastic

ABSTRACT: This Author's Certificate introduces a method for producing polyvinyl chloride foam by mixing polyvinyl chloride resin with a plasticizer and additives and then saturating the resultant mass with inert gas under pressure and heating it in a high-frequency current field. The processing is made independent of the moisture-content of the resin by vacuum evaporation treatment of the plastic mass before saturation with the inert gas.

ASSOCIATION: Vladimirskiy nauchno-issledovatel'skiy institut sinteticheskikh smol (Vladimir Scientific Research Institute of Synthetic Resins)

SUBMITTED: 02Jan63

ENCL: 00

SUB CODE: HT

NO REF GOV: 000

OTHER: 000

Card 1/1

ZAPOL'SKAYA, L.M.; BOL'SHAKOV, A.G.; QASYUK, G.N.

Relation between chemisorption and the concentration and
temperature of carbon dioxide and the effect of ultrasonic
waves. Zhur. prikl. khim. 34 no.5:1040-1046 My '61.
(MIRA 16:8)

1. Odesskiy politekhnicheskii institut.
(Carbon dioxide) (Chemisorption)
(Ultrasonic waves—Industrial applications)

SOV/128-59-10-7/P4

12(4,5)

AUTHORS: Rotenberg, M.I., and Zapol'skaya, A.V., Engineers

TITLE: Nitrogenizing of Diesel Locomotive Cast Iron Crankshafts

PERIODICAL: Liteynoye proizvodstvo, 1959, Nr 10, pp 24-27 (USSR)

ABSTRACT: The authors present a report on experiences of nitrogenizing cast iron for diesel locomotive crankshafts. In the Kolemenskiy teplovozostroitel'nyy zavod (Kolonna Diesel Locomotive Factory), the engine for a new, high power trunk line diesel locomotive is planned with a cast crankshaft of magnesium cast iron. To find optimum conditions for the nitrogenizing, and to determine parameters for the hardness and depth of the nitrogenized ply, laboratory experiments were made. Parallel with this, the influence has been examined of: 1) The nitrogenizing temperature; 2) the microstructure and hardness of a) the surface layer and b) the core on: 1) the mechanical qualities of the core and 2) their way of changing. For the elaborating of the processes, the necessity of a ply depth up to 0.4 mm with a surface hardness of at least 450 HV was assumed. Table 1 shows the chemical composition of the tested sam-

Card 1/2

SOV/128-59-10-7/24

Nitrogenizing of Diesel Locomotive Cast Iron Crankshafts

ples. The samples were nitrogenized in a laboratory furnace with a muffle of 280 mm diameter and 350 mm depth. The temperature was regulated automatically. Each one of the samples was nitrogenized under the same condition, after a different preliminary heat treatment. The results of the tests are shown in table 3. Table 4 gives data on the definition of mechanical qualities of the core. At the present time, performance tests are being conducted with the cast iron, and nitrogenized crankshafts of engine D-45. There are 2 photographs, 1 diagram, 3 graphs and 4 tables.

Card 2/2

ZAPOL'SKAYA, L.M.; BOL'SHAKOV, A.G.; GASYUK, G.N.

Chemisorption of carbonic acid by water-ammonia solutions as a function of hydrodynamic factors and salt admixtures. Zhur.prikl. khim. 34 no.10:2183-2187 0 '61. (MIRA 14:11)

1. Odesskiy politekhnicheskiy institut.
(Carbonic acid) (Sorption) (Ammonia)

ZAPOL'SKAYA, L.M.; BOL'SHAKOV, A.G.; GASYUK, G.N.

Dependence of carbonic acid chemisorption by water-ammonia solutions on the concentration of ammonia in solution and the extent of carbonization. Zhur.prikl.khim. 34 no.9:2096-2099 S '61. (MIRA 14:9)

1. Odesskiy politekhnicheskiy institut.
(Carbonic acid) (Sorption) (Ammonia)

SUBAREV, M.P.; ZAPOL'SKAYA, M.A.; VINICHENKO, I.G.

Calculation and study of liquid - vapor equilibria in the
system acetone - chloroform - ethyl alcohol. Zhur.fiz.khim.
39 no.10:2396-2400 O '65.

(MIRA 18:12)

L. Leningradskiy gosudarstvennyy universitet imeni Zhdanova.
Submitted June 30, 1964.

CA

Effect of some passivating agents on the motoelectric effect of the nickel electrode. N. A. Zanol'skaya, *Zhur. Fiz. Khim.* 25, 352-3 (1951). — The motoelectric effect (the name is due to Kistakovskii, C.A. 7, 1830) was investigated in a tubular glass cell (1 m. long, 5 cm. in diam.) with Ni electrodes, one is fixed and the other is moved by a 2-g. weight falling from a 7-cm. height) at a distance of 81 cm. The appearance of a motoelectric e.m.f. in presence of passivating agents is related to the state of the metal surface in a given electrolyte. With $K_2Cr_2O_7$ (I) concns. sufficient for forming a stable protective film (e.g. in a 0.1 N H_2SO_4 soln. with 0.5% I), no e.m.f. was observed and no corrosion took place. In more acid solns. with the same amt. of I a pos. motoelectric effect (the mobile electrode was the cathode) was recorded and corrosion also occurred. Both corrosion and the effect appeared in a 0.1 N H_2SO_4 soln. with 0.5% I and in a 0.01 N H_2SO_4 soln. with 1% I. With 2% I, corrosion and the effect were absent even in 1 N H_2SO_4 soln. Corrosion and the effect were absent in NaOH solns. (0.1 to N). This work suggests the use of the motoelectric effect for detg. the optimum concn. of anticorrosion agents. Michel Boulart

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ZAPOL'SKAYA, N. A.

185712

USSR/Chemistry - Corrosion

Mar 51

"Influence of Certain Passivators on the Motor-Electric Effect of the Nickel Electrode," N. A. Zapol'skaya, Colloid-Electrochem Lab, Inst Phys Chem, Acad Sci USSR

"Zhur Fiz Khim" Vol XXV, No 3, pp 352-356

Absence of "motor-elec" effect (creation of emf--up to 300 mv--between 2 identical electrodes, one stationary, one in motion, in same electrolyte) for Ni electrodes in H_2SO_4 soln is due to presence of stable protective films on electrodes in acid solns with admixt of

185712

USSR/Chemistry - Corrosion
(Contd)

Mar 51

$K_2Cr_2O_7$ at definite acid-oxidizer ratios. Study of this phenomenon aids finding optimum concns for corrosion inhibitors.

185712

ZAPOL'SKAYA, N.A.

KROTOV, I.V.; GRININA, V.V.; ZAPOL'SKAYA, N.A.

Formation of aluminum phosphate and chromium films on aluminum
and its alloys. Zhur. prikl. khim. 31 no.1:33-40 Ja '58.

(Thermal analysis) (Aluminum alloys) (Metallic films) (MIRA 11:4)

AUTHOR: ~~Zapol'skaya, N. A.~~

76-32-2-13/38

TITLE: The Motoelectric Effect of Some Metals in Solutions of Oxidizing Agents (O motoelektricheskom effekte nekotorykh metallov v rastvorakh okisliteley)

PERIODICAL: Zhurnal Fizicheskoy Khimii, 1958, Vol. 32, Nr 2, pp. 318-325 (USSR)

ABSTRACT: According to V. A. Kistjakovskiy's opinion the formation of motoelectric effects above all depends on the modification of the films at the metal-electrolyte boundary. He assumes that the main reason for these effects is to be found in such modifications. The results of the present work on motoelectric effects in Al, Zn, Fe, Ni, Co, Cu and steel in oxidizing agent/solutions ($K_2Cr_2O_7$, $KMnO_4$, $(NH_4)_2S_2O_8$), as well as the data obtained earlier by the same author show a complete agreement with V. A. Kistjakovskiy's opinion. ~ It is shown that an addition of $K_2Cr_2O_7$ to the 3% NaCl solution influences Al, Zn, Co, Ni in a protective way. Corrosion loss-

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76-32-2-13/38

The Motelectric Effect of Some Metals in Solutions of Oxidizing Agents

es are missing in this case and the motelectric effect also does not appear. The natural film remains preserved on the metal and $K_2Cr_2O_7$ plays the part of the passivator. This is especially clear with zinc and cobalt. With iron and steel a corrosion resistance is not observed with a 3 % NaCl even with an addition of 8 % and more of $K_2Cr_2O_7$ up to saturation. The motelectric effect here has also a remarkable magnitude (15 - 30 mV). With nickel, iron and steel $K_2Cr_2O_7$ acts as passivator when used as addition to 0,1 N sulfuric acid solution : corrosion is lacking (for 7 days) and the motelectric effect does not appear. With nickel the passive state occurs with 5 % $K_2Cr_2O_7$, with iron with 2 % and above. As regards cobalt even in the case of a saturation of the solution with $K_2Cr_2O_7$ no passive state was observed in the 0,1 N sulfuric acid solution. But with a more diluted sulfuric acid solution, exactly at 0,01 N, the passive state of cobalt is obtained with 4 - 5 % $K_2Cr_2O_7$. With copper the introduction of $K_2Cr_2O_7$ causes an inversion of the moteffect from positive to negative. This is apparently mainly caused by the influence of the depolarizing effect of $K_2Cr_2O_7$ on the movable electrode. With aluminum an addition of $K_2Cr_2O_7$ to sulfuric acid

Card 2/4

76-32-2-13/38

The Motelectric Effect of Some Metals in Solutions of Oxidizing Agents

does not lead to a complete stop of corrosion, while the magnitude of the motelectric effect in the case of an addition of 8 % $K_2Cr_2O_7$ decreases from 70 - 80 mV (in 0,1 N H_2SO_4) to one hardly noticeable. - The data for the iron group⁴ (Fe, Ni, Co) obtained in H_2SO_4 with $KMnO_4$ show the same rules as observed with $K_2Cr_2O_7$; i. e. the motelectric effect only in those solutions has a considerable magnitude where the metal is active in relation to corrosion. The electrode potentials of iron, nickel, cobalt are in the passive state of the same magnitude (about +0,87 V, +1,32 V). In this case Fe, Ni, Co play, similar to platinum, the part of inert electrodes. - It is shown that with iron in NaOH solutions with $KMnO_4$ iron maintains its passive state in all cases. Corrosion and / or a motelectric effect were not observed. It is shown that ammoniumpersulfate in spite of its high oxidation potential does not exercise any protective effect on iron. By means of the given electrode potential values no simple relation between the potential magnitudes and the reaction of the corrosion of the metal can be determined. The data of

Card 3/4

The Moelectric Effect of Some Metals in Solutions of Oxidizing Agents 76-32-2-13/38

measurement of the electrode potentials did not completely reflect the nature of the processes occurring on the nickel surface of the electrodes. There are 5 tables, and 8 references, 4 of which are Soviet.

ASSOCIATION: Akademiya nauk SSSR, Institut fizicheskoy khimii, Moskva
(AS USSR, Institute for Physical Chemistry, Moscow)

SUBMITTED: October 21, 1956

1. Metals--Corrosion 2. Metals--Passivity 3. Metals--Electrical effects 4. Metal films--Properties 5. Electroplating solutions
--Chemical effects 6. Oxygen--Chemical effects

Card 4/4

AUTHOR: Zapol'skaya, N. A.

76-32-3-40/43

TITLE: On Moteoelectric Measurements for the Comparative Evaluation of the Protective Properties of Some Natural Metallic Films II. (O moteoelektricheskikh izmereniyakh dlya sravnitel'noy otsenki zashchitnykh svoystv yestestvennykh plenok nekotorykh metallov II.)

PERIODICAL: Zhurnal Fizicheskoy Khimii, 1958, Vol. 32, Nr. 3, pp. 569-572 (USSR)

ABSTRACT: Already earlier, investigations were performed by V. A. Kistyakovskiy, Member, Academy of Sciences, USSR, (Refs 1, 2) on the passivation of iron and magnesium by a formation of metallic films. In this connection, it was pointed to the part played by the moteoelectric effects in non-moving and rotating electrodes. Following the information obtained by earlier papers, the measurements of the moteoelectric effects was employed in a simple manner for the determination of the passive state of the metals in solutions. The obtained results are compared with those of G. B. Klark and G. V. Akimov (Ref 3), for which the experiments were carried out with more than 20 metals in 0.1 n solutions of NaCl, HCl, HNO₃, and NaOH. N. D. Tomashew (Ref 6) observed a decrease of dissolving velocity

Card 1/3

On Motoselectric Measurements for the Comparative Evaluation of the Protective Properties of Some Natural Metallic Films II. 75-32-3-10/43

of magnesium in 3 % salt solution for increasing time spent in the solution. This shows a gradual passivation of magnesium and a therefore essential decrease of the motoselectric effect. In the experiments with zinc in 3 % NaCl solution, a precipitation in the form of a film is formed on the electrode surface, which mainly consists of the hydrate of zinc oxide, whereas tin and silver in NaCl solutions show a certain corrosion resistivity, as is to be seen from the motoselectric effect. Several examples of the performed experiments are given. The observations in aluminum and cadmium agree with those of G. B. Klark, and the special reaction mechanism of cadmium in nitrous acid and the therein connected changes of the motoselectric effect are explained by data of Radovlevich (Ref 7). In the investigations in an alkaline medium on aluminum it is observed that, in relation to the mentioned assumption, the solution of aluminum lyes is not an electrochemical, but a purely chemical process. There are 8 references, 6 of which are Soviet.

Card 2/3

On Moeoelectric Measurements for the Comparative Evaluation of the Protective Properties of Some Natural Metallic Films II. 76-32-3-10/43

ASSOCIATION: Akademiya nauk SSSR Institut fizicheskoy khimii Moskva
(AS USSR, Institute of Physical Chemistry, Moscow)

SUBMITTED: September 21, 1956

Card 3/3

ZAPOL'SKAYA, N.A.; KADYKOV, B.I., professor.

Effect of emulsifiers on the separate digestive functions. Masl.-zhir.
prom. 18 no.5:12-13 My '53. (MLBA 6:5)

1. Leningradskiy nauchno-issledovatel'skiy sanitarno-gigienicheskiy in-
stitut. (Fat) (Digestion)

ZAPOL'SKAYA, YA. and BUKHMAN, N. D.

"Development of Fat Diets for Various ~~Adult~~ Groups of the Population,"
paper presented at the Scientific Conference of the Leningrad Sanitation Institute,
8-10 May 1956.

U-3,054,017

PALLADINA, O.K., doktor biol. nauk; ANOSHKINA, A.A.; STEPANOVA, K.S.;
BUKHMEN, N.D.; ZAPOL'SKAYA, N.A.

Formulas for margarine based on physiological needs. Masl.-zhir.
prom. 24 no. 6:13-16 '58. (MIRA 11:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhirov (for
Palladina, Anoshkina, Stepanova). 2. LNIISGI (for Bukhman, Zapol'skaya).
(Margarine)

ZAROLITSKAYA, N. A., LITVINOVA, N. YA., YEFIMOVSKAYA, E. F., BUDENKO, N. E.

"Hygienic characteristics of fats of native origin and ways of enhancing their nutritive values."

report submitted at the 13th All-Union Congress of Hygienists, Epidemiologists and Infectionists, 1959.

ZAPOL'SKAYA, N.I., ordinator

Chondromatosis of the knee joint. Trudy Kuib. med. inst. 24:
166-169 '63 (MIRA 17:4)

1. Iz kafedry obshchey khirurgii (zav. kafedroy - zasluzhannyy
deyatel' nauki RSFSR prof. S.P. Shilovtsev). Kuybyshevskogo
meditsinskogo instituta.

SIMAKOVA, A.; SELIFANOV, P.; ZAPOL'SKAYA, V., economist

Culinary Councils at work. Obshchest.pit. no.3:20-21 Mr '62.
(MIRA 15:4)

1. Zamestitel' nachal'nika Upravleniya obshchestvennogo pitaniya
ministerstva trgovli Kazakhskoy SSR (for Simakova). 2. Chlen
kulinarnogo soveta Upravleniya rabochego snabzheniya Sverdlovskogo
sovnarkhoza (for Selifanov). 3. Otdel rabochego snabzheniya
tresta "Kirovugol'" (for Zapol'skaya).
(Restaurants, lunchrooms, etc.)

SHPINER, O.; ZAPOL'SKAYA, V., ekonomist (Prokop'yevsk, Kemerovskoy obl.)

Letters from a Workers' Supply Organization. Obshchestv. pit.
no. 11:13-15 N '62. (MIRA 16:1)

1. Nachal'nik otдела obshchestvennogo pitaniya 2-go otde-la
rabochego snabzheniya Prokop'yevskogo tresta ugol'noy
promyshlennosti kombinata Kuzbassugol' Ministerstva ugol'noy
promyshlennosti SSSR (for Shpiner).
(Restaurant management)

RUSHKOVSKIY, T.V.; ZUBCHENKO, P.I., nauchnyy sotr.; ZUBCHENKO, T.S.,
nauchnyy sotr.; YARMOLENKO, I.M., nauchn. sotr.; VRZHESHCH, Ye.S.,
nauchn. sotr.; ZAPOL'SKAYA, V.A., nauchn. sotr.; VIKTOROV, Ye.P.,
nauchn. sotr.; RYBARENKO, V.S., agronom; BUSLENKO, I.T., agronom;
SAZONOV, V.V., red.; LEVINA, L.G., tekhn. red.

[Sugar beet in Siberia] Sakharraia svekla v Sibiri. Moskva, Izd-vo
M-va sel'.khoz.RSFSR, 1960. 206 p. (MIRA 15:1)

1. Glavnyy agronom po sakharney svekke Altayskogo krayevogo uprav-
leniya sel'skogo khozyaystva (for Rushkovskiy). 2. Biyskaya
opytno-selektsionnaya stantsiya po sakharney svekke (for Zubchenko,
P.I., Zubchenko, T.S., Yarmolenko, Vrzheshch, Zapol'skaya, Viktorov).
(Siberia--Sugar beets)

ZAFOL'SKAYA, V. P.

"Diagnosis of New Trachoma Infections Based on the Presence of Prowazek's Bodies,"

Vest. Oftalmol., 23, No. 6, 1949.

Mbr., Chuvash Sci. Res. Trachoma Inst., -cl949-.

ZAPOL'SKIRE, M. Z.

PLATE 1 BOOK EXTRACTS 507/472

1. General theory mechanical production is an open periodic process (utilization of energy in the machine building industry practices of leading plants) [Leningrad] 1959, 298 p., 3,000 copies printed.

General Ed.: A.M. Ruben, Candidate of Technical Sciences; Ed.: M.S. Chavron.

Tech. Ed.: I.M. Tikhonov.

PURPOSE: This collection of articles is intended for workers and technical personnel of the machine-building industry.

CONTENTS: The book examines principal trends in the utilization of unused production capacity of machine building plants and indicates ways to realize these reserves. On the basis of examples drawn from the practice of the leading plants of the country, the authors show how to utilize this unused capacity by applying the following measures: improvement of the processability of castings; bringing the shape of the parts closer to the shapes and sizes of finished parts; replacement of mechanical processing with cold stamping; improvement of the efficiency of existing technology and automation of the process. The problem of utilizing unused capacity in the construction of heavy machinery is dealt with separately. No personalities are mentioned. There are no references.

Technical Ed. and G.A. Zhurav, Expanding Mechanical Working With Cold Stamping

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Technological Ed. and G.A. Zhurav, Expanding Mechanical Working With Cold Stamping

104

Technical Ed. and G.A. Zhurav, Expanding Mechanical Working With Cold Stamping

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Technical Ed. and G.A. Zhurav, Expanding Mechanical Working With Cold Stamping

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Technical Ed. and G.A. Zhurav, Expanding Mechanical Working With Cold Stamping

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Technical Ed. and G.A. Zhurav, Expanding Mechanical Working With Cold Stamping

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Technical Ed. and G.A. Zhurav, Expanding Mechanical Working With Cold Stamping

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Technical Ed. and G.A. Zhurav, Expanding Mechanical Working With Cold Stamping

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ZAPOL'SKIY, A.A., inzhener-kapitan 2-go ranga; GRUZINETS, G.P.,
inzhener-kapitan 3-go ranga

Problems of personnel in perfecting weapons. Mor. sbor. 47 no.7:
67-70 J1 '64. (MIRA 18:7)

ZAPOL'SKIY, A.K., inzh.

Methods of desulfuration of cast iron. Met. i gornorud.
prom. no.4:11-13 J1-Ag '63. (MIRA 16:11)

1. Institut ispol'zovaniya gaza AN UkrSSR.

SEROV, Boris Vasil'yovich; ZAPOL'SKIY Boris Aleksandrovich;
SHEKHTER, Yakov Semenovich; PANKRASHOV, A.P., red.

[Automation of sorting and calculating in sawmilling] Av-
tomatizatsiia sortirovki i ucheta v lesopilenii. Petro-
zavodsk, Karel'skoe knizhnoe izd-vo, 1964. 223 p.
(MIRA 17:9)

ZAPOL'SKIY, D.G.; ANANIYCHUK, N.A.; KAL'NIN, A.O.

Using a rotor dust collector for catching vapors and aerosols of
caprolactam. Khim.volokn. no.5:64-66 '61. (MIRA 14:10)

1. Kiyevskiy filial Vsesoyuznogo nauchno-issledovatel'skogo
instituta iskusstvennogo volokna.
(Nylon) (Factory sanitation)

NOGOV, M.P., nauchnyy sotrudnik, kand. tekhn. nauk; ZAPOL'SKIY, D.G.,
nauchnyy sotrudnik; MIKHILINA, V.V., nauchnyy sotrudnik; ZUBCHENKO,
L.V., nauchnyy sotrudnik

Preventing the strength decrease of nylon filaments during
twisting on a ring twister. Tekst. prom. 25 no.8:70-74 Ag
'65. (MIRA 18:9)

1. Kiyevskiy filial Vsesoyuznogo nauchno-issledovatel'skogo
instituta iskusstvennogo volokna.

AID P - 4892

Subject : USSR/Aeronautics - Anti-atom defense

Card 1/1 Pub. 58 - 12/14

Authors : Govyazin, I. and G. Zapol'skiy

Title : Anti-atom defense of airfields

Periodical : Kryl. rod., 7, 20, J1 1956

Abstract : A review of the various means used in protecting the airfields from the effects of atomic attacks. The article is based exclusively on the information gathered from Western publications.

Institution : None

Submitted : No date

ZAPOL'SKIY, G.M.; SHESTERIKOVA, L.I.; NARYSHKIN, V.A.; LEBEDEVA, Yu.A., red.;
KARYAKINA, M.S., tekhn. red.

[Means and methods of civil air defense; an album of visual aids for units of the Volunteer Society for Assistance to Army, Air Force, and Navy studying civil air defense] Sredstva i sposoby protivovozdushnoi oborony naseleniia; al'bom nagliadnykh posobii dlia kruzhkov DOSAAF, izuchaiushchikh protivovozdushnuiu oboronu. Red. IU.A. Lebedeva. Khudozh. M.P. Tumanov. Moskva, Izd-vo DOSAAF, 1958. 39 p.

(MIRA 11:7)

(Air defenses)

BABKIN, I.A.; BOGOLYUBSKIY, G.N.; BURLINOV, I.I.; VOZNESENSKIY, V.V.;
DANILYUK, V.S.; ZAPOL'SKIY, G.N.; ZUBKIN, A.S.; IL'YASHEV, A.S.;
KIPRIYAN, K.M.; KONDRAT'YEV, P.V.; KORABLEV, M.D.; LEBEDEVA,
Yu.A.; MAKAROV, Yu.K.; MIROSHNIKOV, I.P.; NOVICHENKO, I.P.;
POPOV, A.V.; SEREBRYAKOV, V.A.; KANEVSKAYA, M.D., red.; ANDRIANOV,
B.I., tekhn.red.

[Protecting the public from present-day means of destruction;
a textbook for organizations of the All-Union Voluntary Society for
the Promotion of the Army, Aviation, and Navy] Zashchita naseleniya
ot sovremennykh sredstv porazheniya; uchebnoe posobie dlia organi-
zatsii Vsesoyuznogo dobrovol'nogo obshchestva soдейatviya armii,
aviatsii i flotu. Moskva, Izd-vo DOSAAF, 1958. 334 p. (MIRA 12/4)
(Civil defense)

ZAPOL'SKIY, G. N

Training to meet the standards for "Ready for Antiaircraft Defense."
Voen.znan. 34 no.3:32-33 Mr '58. (MIRA 11:4)

1. Zamestitel' nachal'nika upravleniya protivoozdushnoy oborony i
tekhnicheskoy podgotovki Tsentral'nogo Komiteta Dobrovol'nogo
Obshchestva sodeystviya armii, aviatsii i flotu SSSR.
(Air defenses)

PHASE I BOOK EXPLOITATION SOV/4036

Vsesoyuznoye dobrovol'noye obshchestvo sodeystviya armii, aviatsii
i flotu

Uchebno-metodicheskoye posobiye po provedeniyu trenirovok i priyemu
norm "Gotov k PVO" 1-y stupeni; rekomendovano Tsk DOSAAF SSSR dlya
obshchestvennykh instruktorov PVO (Textbook for the Training in
and Application of the Standards for First Class in "Ready for
Air Defense"; Recommended by the Central Committee of DOSAAF
USSR for Public Instructors of Air Defense). Moscow, Izd-vo
DOSAAF, 1959. 112 p. No. of copies printed not given.

Eds.: G.N. Zapl'skiy, M.D. Kanevskaya, and M.D. Korablev; Tech.
Ed.: V.N. Gerasimova.

PURPOSE: This textbook is intended for public instructors teaching
a 14-hour course in civil air defense to persons who have com-
pleted the preliminary 22-hour training program of the PVO (Air
Defense).

COVERAGE: The textbook consists of eight outlines corresponding to
the standards set for first class "Ready for Air Defense" quali-
Card 1/3

Textbook for the Training (Cont.)

SOV/4036

Activities for the Fifth Syllabus "Rules of Conduct for the Population at the Signal 'Impending Danger' and Other MPVO (Local Air Defense) Signals	52
Activities for the Sixth Syllabus "Self-Help and First Aid to Injured Persons"	65
Activities for the Seventh Syllabus "Removal of Aftereffects of Air Raids"	79
Activities for the Eighth Syllabus "Administering Veterinary Aid to Animals"	95

SECOND PART

How to Organize the Training Program and Conduct the Testing of Standards for First-Class "Ready for Air Defense"	107
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AVAILABLE: Library of Congress

Card 3/3

AC/rn/jb
8-5-60

ZAFOL'SKIY, G.

Improve the training of our instructors. Voen.znan. 36
no.8:30 Ag '60. (MIRA 13:7)
(Military education) (Air defenses)

ZAPOL'SKIY, G.

Sluggishness and drifting spoil an important activity. Voen.znan.
37 no.5:35 My '61. (MIRA 14:4)

(Air defenses)

MIROSHNIKOV, I. P. and ZAPOL'SKIY, G. N.

Zashchita naseleniya ot sovremennykh sredstv porazheniya; uchebnoye posobiye dlya organizatsii DOSAAF.
Pod obshchey red. I.P. Miroshnikov [i] G.N. Zapol'skiy
Moskva, Izd-vo DOSAAF, 1958.
334 p. illus., diagrs., tables. 21 cm.

BUROVA, V.M.; ZAPOL'SKIY, I.A.

Overall mechanization and automation in reeling. Tekst.prom. 22
no.2:4-6 F '62. (MIRA 15:3)

1. Glavnyy inzh. Kiyevskogo shelkovogo kombinata (for Burova).
2. Nachal'nik tekhnicheskogo otdela Kiyevskogo shelkovogo kombinata (for Zapol'skiy).
(Reels (Textile machinery)) (Kiev--Silk manufacture)

БЕРА, И.С.; ЗАПОЛ'СКИЙ, И.А.

Water balance of the drained bottomland of the Trubezh
River, 1960-1963. Trudy UkrNIGMI no.50:40-49 '65. (MIRA 18:11)

ZAPOL'SKIY, I.A. [Zapol's'kiy, I.A.]; BIBLIN, D.M.

New equipment and technology for the processing of silk reeling
wastes. Leh.prom. no.2:28-29 Ap-Je '65.

(M.R. 13:10)

ZAPOL'SKIY, I.A. [Zapol's'kiy, I.A.]

Reelsification of raw silk on the automatic KSKA silk reeling
machines. Ish.prom. no.2:51 Ap-Je '65.

(MIRA 18:10)

L 7994-66

ACC NR: AP5026566

SOURCE CODE: UR/0286/65/000/019/0130/0131.

AUTHORS: Balandin, I. Ya.; Leznov, S. I.; Zapol'skiy, I. S.; Len'kov, G. V.;
Goryachkin, V. Yu.; Kiseleva, Z. V.; Mironov, A. A.

ORG: none

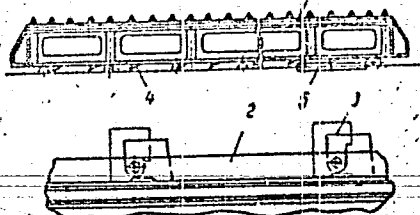
TITLE: A mobile stand for assembly and welding of ship hull sections. Class 65,
No. 175405 /presented by Kherson Design and Construction Engineering Institute
(Khersonskiy proyektno-konstruktorskiy tekhnologicheskiy institut)/

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 19, 1965, 130-131

TOPIC TAGS: construction machinery, shipbuilding engineering

ABSTRACT: This Author Certificate presents a mobile stand for assembly and welding
of ship hull sections. The stand is made up of longitudinal framing beams carrying
transverse curved beams with vertically adjustable supports (see Fig. 1).

Fig. 1. 1- longitudinal framing beams;
2- transverse curved beams;
3- supports; 4- protruding teeth;
5- hydraulic cylinders



Card 1/2

UDC: 629.12.002.011:621.757:621.791

L 7994-66

ACC NR: AP5026566

To facilitate the work setup for a continuously positioned method of fabricating ship sections by mechanized assembly and welding technique, the longitudinal beams of the stand carry protruding teeth on their lower surface. These teeth interact with the bearings hinged to free ends of piston stems in the hydraulic cylinders of the mechanism for moving the stand. Orig. art. has: 1 figure.

SUB CODE: IE/ SUBM DATE: 15Aug64

Card ^{nw} 2/2

L 9792-66

ACC NR: AP5028536

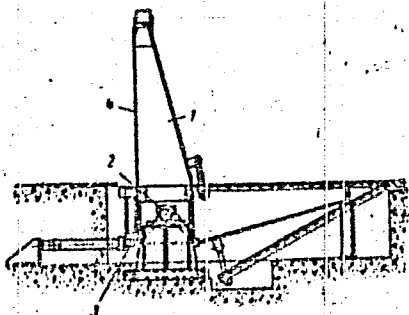


Fig. 1. 1 - Frame support; 2 - pivot;
3 - push rod; 4 - back side of
support.

Orig. art. has: 1 figure.

SUB CODE: 13/ SUBM DATE: 28Aug64

Card 2/2