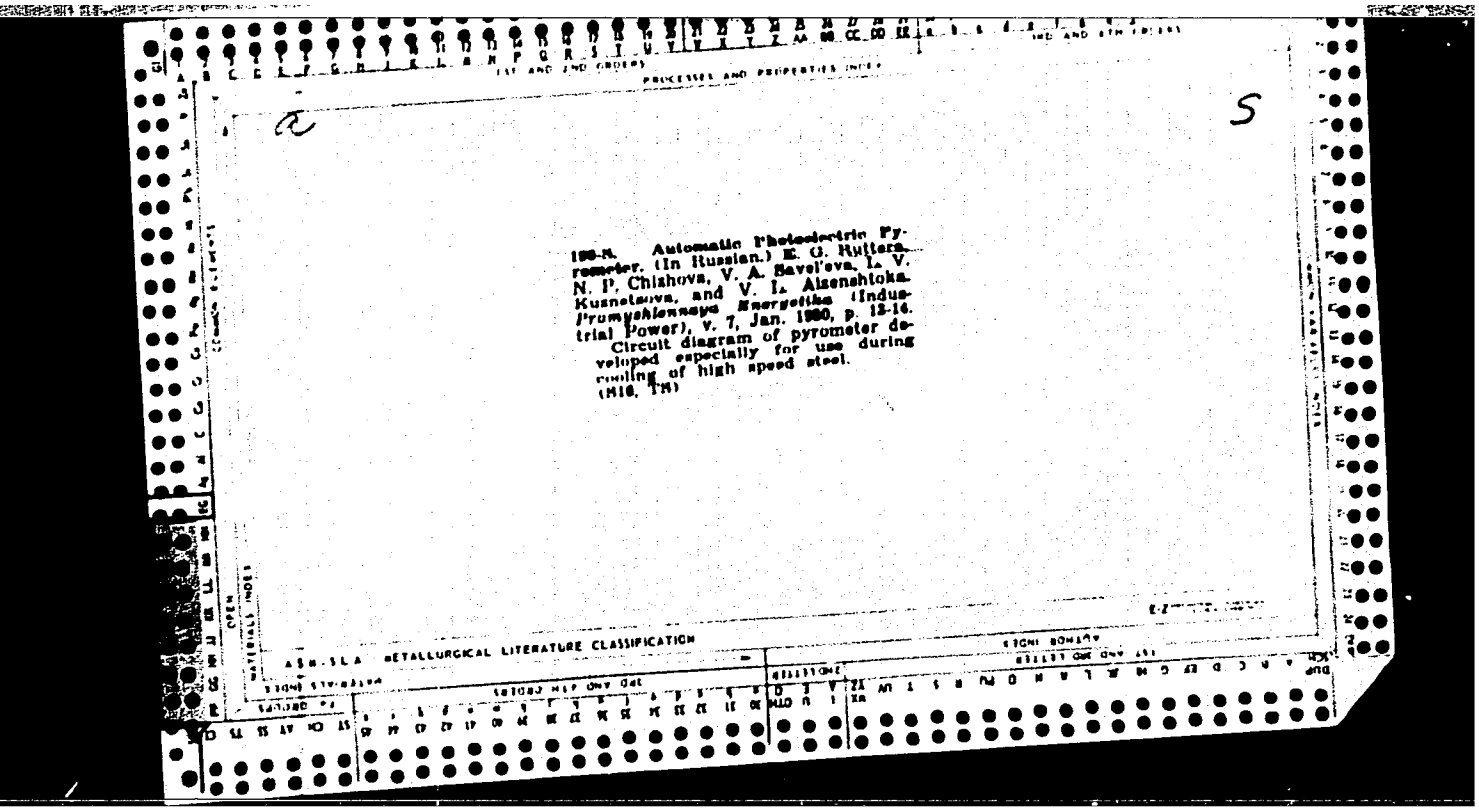
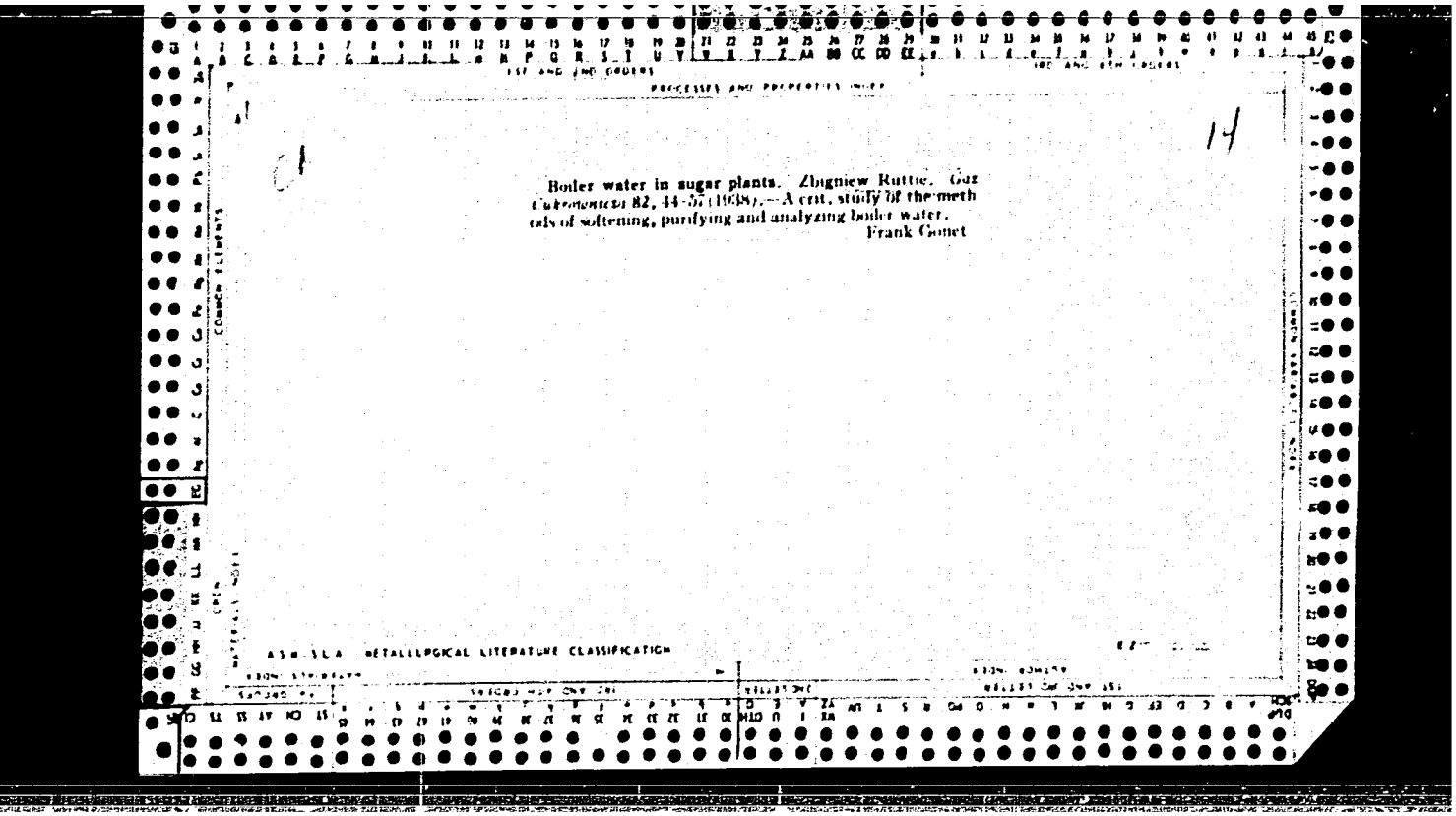


188-K. Automatic Photoelectric Pyrometer. (In Russian.) E. G. Rutten, N. P. Chizhova, V. A. Savel'eva, L. V. Kuznetsova, and V. L. Aizenshtoka. Promyshlennaya Energetika (Industrial Power), v. 7, Jan. 1950, p. 13-14.

Circuit diagram of pyrometer developed especially for use during cooling of high speed steel.

(M10, TM)



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Characteristic polarographic activity of the tobacco mosaic virus. Pt. 3. Coll Cz Chem 28 no.3:585-594 Mr '63.

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(Polarograph and polarography) (Tobacco)
(Albumins) (Viruses) (Mosaid disease)

RUTTKAY-NEDECKY, I.; KELLEROVA, E.

Effect of reserpine on reflex vasoconstriction caused by deep inspiration in the cutaneous acral region. (Preliminary communication). Cas.lek.cesk 100 no.27/28:884-885 7 Jl '61.

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(RESERPINE pharmacol) (VASOMOTOR SYSTEM pharmacol)
(RESPIRATION physiol)

ONDREJCAK, M.; RUTTKEY-NEDECKY, I.

Attempted conditioned reflex therapy of functional obstipation.
Lek. obzor 2 no.8:490-498 Aug 1953. (CIML 25:4)

1. Of the First Internal Clinic of Slovak University, Bratislava.

ONDREJCAK, Matej, MUDr.; RUTTKAY-NEDECKY, Ivan, MUDr.

Pathogenesis of functional constipation. Cesk. gastroenter. 9 no.3:195-199 Sept 55.

1. Z I. internej kliniky Komenskeho univerzity a z Laboratoria klinickej fyziologie v.n.c. SAV, prednosta akademik Ladislav Derer.
(CONSTIPATION, therapy,
conditioned reflex ther.)
(REFLEX, CONDITIONED,
ther. of constipation)

RUTTKAY-NEDECKY, I.; KELLEROVA, E.

Approximate error in localization of touch as a function test.
Cesk. fysiol. 5 no.4:484-486 1956.

1. Laboratorium Klinickej Fyziologie vyssej nervovej cinnosti SAV, Bratislava.
(TOUCH,
approximate error in localization of touch as funct. test (Cz))

RUTTKAY-NEDECKY, I.

MILITARY & NAVAL SCIENCES: GENERAL

Periodical NASA VEDA. Vol. 5, no. 11, Nov. 1958.

RUTTKAY-NEDECKY, I. Application of some lessons of the dialectical-materialistic theory of knowledge in medical sciences and medical practice. p. 474.

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RUTTKAY-NEDECKY, I.

"Notes on the physiology of eye movements." p. 250.

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Unclas

EXCERPTA MEDICA Sec 8 Vol 12/8 Neurology Aug 59

3953. EXPERIMENTAL DISTURBANCE OF CONDITIONED REFLEX AS EVOKING CAUSE OF IMPAIRED DEFAECATION REFLEX IN MAN - Experimentálna porucha podmieneného reflexu ako vyvolávajúca príčina poruchy defekačného reflexu u človeka - Ruttkay-Nedecký I. - ČSL. GASTROENT. VÝŽ. 1958, 12/5 (395-398) Tables 2

In 2 patients suffering from habitual constipation, a conditioned induction of defaecation was elaborated. Simultaneously a conditioned optokinetic nystagmus was elaborated in these patients. The rapid alternations of the positive and differential stimulus during work with the conditioned optokinetic nystagmus led to the development of an 'experimental neurosis' in the dynamics of the optokinetic nystagmus and at the same time to a lengthening of the latent period of conditioned defaecation and to its complete extinction. The disturbance of conditioned defaecation was spontaneously alleviated after the experiments with the conditioned optokinetic nystagmus were stopped. The above-mentioned observations can be regarded as an experimental model of the pathogenesis of some types of habitual constipation.

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"A survey of the present state of research concerning the effect of ionization radiation on the higher nervous system in the USSR"

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(AUTONOMIC NERVOUS SYSTEM, physiol.
eff. of conditioned reflexes (Cz))
(REFLEX, CONDITIONED,
eff. on autonomic NS (Cz))

RUTTKAY-NEDECKY, I.; KELLEROVA, E.

Changes in ECG ventricular gradient in orthostatic test in comparison with changes in standards leads. Cesk. fysiol. 8 no.5:431 S '59

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Central nervous system influence on the degree of vasoconstriction in the cutaneous region produced by deep inspiration. Cesk.fysiol. 9 no.3:260 My '60.

1. Ustav experimentalnej mediciny SAV, Bratislava
(VASOMOTOR SYSTEM physiol)
(RESPIRATION physiol)
(REFLEX CONDITIONED)

CZECHOSLOVAKIA / EAST GERMANY

RUTTKAY-NEDECKY, I.; KELEROVA, E.; FICHTEL, K.; Institute of Normal and Pathological Physiology, Slovak Academy of Sciences, Bratislava; Institute of Corticovisceral Pathology and Therapy, German Academy of Sciences, Berlin. [Orig. versions not given].

"The Role of Vasomotor Reaction in the Complex of the Orienting Reflex in Man."

Prague, Activitas Nervosa Superior, Vol 8, No 2, Jun 66, pp 217-218

Abstract: 12 healthy university students were tested with weak light stimuli to find the incidence of plethysmographic waves corresponding to Sokolov's criteria for the vasomotor component of the orienting reaction and to find the course of "spontaneous" waves of the 3rd order. The vasomotor component of the orienting reaction is probably a phenomenon occuring "spontaneously", and with increasing stimulation it enters into a time relationship with it. 1 Figure, no references. Submitted at the 4th Conf. of Exper. and Clin. Study of Higher Nerv. Functions at Mar. Lazne, 12-15 Oct 65. Article is in English.

1/1

CZECHOSLOVAKIA

KELLEROVA, E.; RUTTKAY-NEDECKY, I.; Institute of Normal and Pathological Physiology, Slovak Academy of Sciences, Bratislava. [Orig. version not given].

"Changes in Respiratory and Heart Rates Induced by Repeated Visual Stimulation."

Prague, Activitas Nervosa Superior, Vol 8, No 2, Jun 66, p 218

Abstract: Changes in respiratory and heart beat rates were observed in 11 healthy subjects ; the stimuli were weak light and similar light stimuli with a signal meaning. Pulse acceleration was significantly more frequent in cases in which the stimulus elicited the vasomotor component of the orienting reaction. The correlation was significant only in comparisons of whole groups; in individual cases the coincidence was not too obvious. No references. Submitted at the 4th Conf. of Exper. and Clin. Study of Higher Nerv. Functions at Mar. Lazne, 12-15 Oct 65. Article is in English.

1/1

CZECHOSLOVAKIA/Human and Animal Physiology - Normal and Pathological) T
Neuro-Muscular Physiology.

Abs Jour : Ref Zhur Biol., No 4, 1959, 17882

Author : Ruttkay-Nedechy, I., Kellerova, E., Ondrejcak, M.
Inst : -
Title : The Relationship of Time Curves and Intensity of Stimulation of Peripheral Motor Nerve in Patients with Arteritis

Orig Pub : Bratisl. lekar listy, 1957, 2, No 10-11, 635-640

Abstract : Analysis of the Gorveg-Weiss curve in patients with peripheral arteritis and with trophic defects of skin showed that at the site of arterial obliteration and trophic skin defect the neuro-muscular excitability was decreased. In healing of a trophic defect, the excitability of the corresponding muscle group normalized, even if the arteries remained obliterated. Infiltration with novocain of the sympathetic nerve at the site of obliteration induced, simultaneously with an increase of skin T°,

Card 1/2

RUTTKAY-NEDECKY, G.

Characteristic polarographic activity of the tobacco mosaic virus. Part 2: Nature of polarographic active components in room temperature and under pH 10,5. Coll Cz Chem 27 no.12:2744-2753 D '62.

1. Virologisches Institut, Tschechoslowakische Akademie der Wissenchaften, Bratislava.

CSSR

RUTTKAY-NEDECKY, G.

Virological Institute, Czechoslovak Academy of Sciences, Bratislava

Prague, Collection of Czechoslovak Chemical Communications, No 3, 1963, pp 585-591.

"Characteristic Polarographic Activity of the Tobacco Mosaic Virus III. Typical Steplike Appearance at 0 deg C, and its utilization to determine Uncleanliness in the Pure Virus Extract"

(1)

RUTTKAY-NEDECKY, G. CSSR

Virological Institute, Czechoslovak Academy of Sciences, Bratislava

Prague, Collection of Czechoslovak Chemical Communications, No 12, 1962, pp 2744-2753

"Characteristic Polarographic Activity of the Tobacco Mosaic Virus II. The Nature of Polarographic Active Components at Room Temperature and pH 10.5"

RUTTKAY-NEDECKY, I.; KELLEROVA, E.

Acquirement of rhythm and conditioned vascular reflexes. Activ. nerv. sup. 4 no.3/4:146-150 '62.

1. Institute of Experimental Medicine of the Slovak Academy of Sciences, Bratislava.
(REFLEX CONDITIONED) (VASOMOTOR SYSTEM) (RESPIRATION) (PLETHYSMOGRAPHY)

RUTTKAY-NEDECKY, Ivan

Conference on space vectocardiography in Stary Smokovec. Vestnik CSAV 71 no.1:89-90 '62.

RUTTKAY-NEDECKY, I.; KELLEROVA, E.

An objective test for the determination of the onset and duration of the activity of monoamine oxidase inhibitors in man. Activ. nerv. sup. 4 no.2:200-201 '62.

1. Ustav experimentalnej mediciny SAV, Bratislava.

(MONOAMINE OXIDASE INHIBITORS pharmacol)

RUTTKAY-NEDECKY, I.; KELLEROVA, E.

Conditioned vasoconstriction in the acral region of the skin produced by a single deep inspiration. Bratisl. lek. listy 42 no.10:610-617 '62.

1. Z Ustavu experimentalnej mediciny Slovensky akademie vied v Bratislave, riaditel clen korespondent Slovensky akademie vied J. Antal, Dr. Sc.

(REFLEX CONDITIONED) (VASOMOTOR SYSTEM physiol)
(SKIN blood supply) (RESPIRATION physiol)

RUTTKAY-NEDECKY, I.

Effect of imagination on the course of autonomic functions. Activ. nerv. sup. 4 no.2:168 '62.

1. Ustav experimentalnej mediciny SAV, Bratislava.

(IMAGINATION) (AUTONOMIC NERVOUS SYSTEM physiol)

RUTTKAY-NEDECKY, I.

Bratislava, Bratislavske Lekarske Listy, Vol 1, No 8, 1962
Copyright by the Publishing House of the Slovak Academy of Sciences (Vydavatelstvo Slovenskej akademie vied), 1962.

1. "On the Vasoconstriction in Acral Skin Regions Induced by Deep Breathing, and the Possibilities of Its Practical Application," I. RUTTKAY-NEDECKY, Institute of Experimental Medicine of the Slovak Academy of Sciences (Ustav experimentalnej mediciny Slovenskej akademie vied); director (riaditel) of the Institute: J. ANTAL, Dr of Sciences and corresponding member of the Slovak Academy of Sciences; pp 457-464 (English summary).

2. "On the Dynamic Changes of Transaminase Activity in Toxic Injury to the Liver," by J. HRUZIK, A. JAVORSKY and J. LAUGER. From the No 1 Clinic of Internal Medicine (I. interna klinika) at the Medical Faculty of Commenius University (Lekarska fakulta University Komenskeho) in Bratislava headed by (prednosta) Professor M. CH-DROJICKA, MD; and from the Institute of Pathological Anatomy (Ustav patologickej anatomie) at the Medical Faculty of Commenius University in Bratislava headed by Docent M. BROZMAN, MD. Pp 465-475 (English summary).

3. "The Role of Psychic Factors in the After-Treatment of Meniscectomy," M. VERNER and M. HALUZICKY of the Clinic of Orthopedics (Ortopedicka klinika) at the Medical Faculty of Commenius University in Bratislava, headed by J. CHMELANSKY, corresponding member of the Slovak Academy of Sciences; pp 476-481 (English summary).

4. "On the Importance of the Psychosomatic Component in Buerger's and Raynaud's Disease," V. ZIKMUND of the Department of Clinical Physiology (Oddelenie klinickej fyziologie) at the Institute of Experimental Medicine of the Slovak Academy of Sciences; director J. ANTAL, corresponding member of the Slovak Academy of Sciences; pp 481-491 (English summary).

5. "Late Results of the Surgical Treatment of Pulmonary Tuberculosis by Thoracoplasty," H. VAGAC, J. LABUS and S. KORSC. From the Kraj Tuberculosis Hospital (Krajska nemocnica tuberkulozy) in Podunajske-Biskupice; the Department of Phthisiology (Ftizeologicka katedra) of the SUDL (Slovensky ustav pre doskolovanie lekarov; Slovak Institute for Post-Graduate Medical Training), director K. VIPSIN, MD; and from the TB Department of the Polyclinic in Partisanske (Tbc oddelenie polikliniky v Partisanskom) headed by Docent S. KORSC, MD. Pp 491-499 (English summary).

6. "The Adrenogenital Syndrome," Docent E. DLHOS, MD, chief (prednosta), and T. VRABEL, of the Obstetrics and Gynecology Clinic (Porodnicko-gynekologicka klinicka zakladna) of the [illegible]

— 1/2 —

RUTTKAY-NEDECKY, I. (DR.)

(2)

Bratislava, Bratislavske Lekarske Listy, Vol XLII, No 1, 62 (continued)

9. "Meeting of the General Section of the Society of Slovak of Physicians [See No 8] in Kosice," A. UZOCR, Graduate Physicians (promovany lekar); pp 50-51.

10. "Symposium on the Central Regulation of the Vegetative Functions of Skin, Turin, Italy," Dr I. RUTTKAI-NEDECKY, C. Sc.; pp 60-62.

RUTTKAY-NEDECKY, I.

Bratislava, Bratislavske lekarske listy, Vol 1, No 10, 1962
Copyright by the Publishing House of the Slovak Academy of Sciences (Vydavatelstvo Slovenskej akademie vied), 1962.

1. "Zdenek NEMECEK (10 Feb 1878 - 9 Mar 1962)" [obituary], Dionyz BLAS (DIVIS, president of the SAV [Slovenska akademia vied; Slovak Academy of Science]; pp 585-586.

2. "Analysis of the Splanchnic Afferentation into the Lumbosacral Spinal Segments," by P. BUDA of the Neurophysiological Section within the SAV Institute of Experimental Medicine (oddelenie neurofyziologie ustavu experimentalnej mediciny, SAV), Bratislava; headed by (vedouci) J. ANTAL, corresponding member of the SAV; pp 587-594 (English summary).

3. "Conditioned-Reflex Changes in the Glycid Metabolism under the Effect of Short-Lasting Hypotension," by O. UBRAK, B. Brosman, V. KOMITAN, J. KOPEC, and R. KNOS. From the Physiological Department of the Road-Aviation Research Institute (fyziologicke oddelenie ustavu pre vyskum cestnej dopravy) in Bratislava, director (riaditel): assoc candidate A. BUCKO, MD; and from the Physiological Institute at the Medical Faculty of Comenius University (fyziologicky ustav lekarskej fakulty Univerzity Komenskeho) in Bratislava, headed by corresponding member of the SAV J. ANTAL, Dr of Sciences; pp 594-602 (English summary).

4. "The Release Thresholds of Spreading Depression in the Lysencephalic Brain of Some Phylogenetic Species," by J. ZACHAR and D. ZACHAROVA of the Neurophysiological Section within the SAV Institute of Experimental Medicine in Bratislava (see No 2); pp 602-610 (English summary).

5. "The Conditioning of the Vasoconstriction in the Aural Regions of the Skin Produced by a Single Deep Breath," by Z. RUTTKAY-NEDECKY and E. KOLESOVA of the SAV Institute of Experimental Medicine [see No 2] in Bratislava; pp 610-617 (English summary).

6. "The Homodynamic Relations Between the Vegetative and the Resistant Part of the Extremities," by M. CERCVA and J. OZSO of the SAV Institute of Experimental Medicine [see No 2] in Bratislava; pp 617-625 (English summary).

7. "Development of the Basic Problems of Aviation and Space Medicine," by B. BRZOWAK, A. BRZACKA and O. UBRAK. From the Physiological Department (Katedra fyziologie) at the Medical Faculty of Comenius University in Bratislava, and from the Physiological Department of the Road-Aviation Research Institute in Bratislava (see No 3); pp 625-634.

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RUTTKAY-NEDECKY, Ivan, MUDr., Sc.C.

Symposium on corticovisceral pathology and physiology. Vestnik CSAV 70 no.1:62-63 '61.

CZECHOSLOVAKIA

I. [redacted] and [redacted]. KRILLOVA, Institute of Experimental Medicine of the Slovak Academy of Sciences (Ustav experimentalnej mediciny SAV,) Bratislava.

"Effect of Small Doses of Reserpine on Conditioned Vasoconstriction in the Acral Skin Region."

Prague, Activitas Nervosa Superior, Vol 5, No 2, May 63; pp 168-169.

Abstract : Reserpine 0.25 mg./day for 3, 7, 11 days in 10 normal persons on susceptibility of conditioned forearm skin vasoconstriction reflex to unconditioned deep breath. Conclusion: reserpine at small doses affects peripheral adrenergic structures but does not influence formation or retention of neurovasomotor or motor connections. Two Czech references.

1/1

RUTTKAY-NEDECKY, I.

Vasoconstriction in cutaneous acral regions produced by deep inspiration and possibilities for its practical use. Bratisl. lek. listy 42 no.8:457-464 '62.

1. Z Ustavu experimentalnej mediciny Sovenskej akademie vied, riaditel clen koresp. SAV J. Antal, Dr. Sc.

(VASOMOTOR SYSTEM physiol) (SKIN blood supply)
(RESPIRATION physiol)

RUTTKAY-NEDECKY, I. (Dr.)

(1)

Bratislava, Bratislavske Lekarske Listy, Vol XLII, No 2, 62 (cont'd)

8. "Development of Bronchoscopy in Slovakia," J. LAJDA, Docent, MD, director of the Otorhinolaryngological Chair (Otorinolaryngologicka katedra), Faculty of Medicine, Comenius University (Sec No 2), and Slovak Institute for the Postgraduate Training of Physicians (Slovensky ustav pre doskolovanie lekarov), Bratislava; pp 101-110.

9. "Reports on the Activities of the J.E. Purkyne Czechoslovak Medical Society (Ceskoslovenska lekarska spolocnost J.E. Purkyne)," Docent Dr E. BARTA, C. Sc. and Dr M. MORDIAK; pp 111-112.

10. "Colloquium on the Psychosomatic Problems in Gastroenterology in Lausanne, Switzerland," Dr I. RUTTKAY-NEDECKY, C. Sc.; pp 112-123.

11. "Seventh International Neurological Congress and Fifth International Congress on Electroencephalography and Clinical Neurophysiology in Rome," J. CAPHACEK, Corresponding Member of SAV; pp 123-128.

— 2/2 —

MICHALOVA, C.; RUTTKAY-NEDECKY, I.

Recent development and further prospects of corticovisceral research in Czechoslovakia. Cas.lek.cesk 100 no.9:257-262 3 Mr '61.

1. Ustav hygieny prace a chorob z povolani, prednosta prof. dr. J. Teisinger.

(CEREBRAL CORTEX physiol)
(CENTRAL NERVOUS SYSTEM physiol)

BARNA, Peter; RUTTMAYER, Imre

Creation of a very great vacuum and its measuring. Fiz szemle 11 no.4:107-116 Ap '61.

1. Optikai es Finommechanikai Kozponti Kutato Laboratorium.

RUTTNAI, Otto, Dr.

Poliomyelitis epidemic in 1957. Hepeszsegugy 39 no.5-6:121-127 May-June 58.

1. Kozlemeny az Orszagos Kozegeszsegugyi Intezet (foigazgato: Bakacs Tibor dr.) jarvanyugyi osztalyarol (osztalyvezeto: Petrilla Aladar dr.)
(POLIOMYELITIS, epidemiol.
in Hungary, epidemic in 1957 (Hun))

RUTTO, R., inzh.; LOGVINOV, V.; MIRONOVICH, L.; KOVALEV, M.

Plastic coatings in the repair of cranes. Rech. transp. 22 no.8:21-22 Ag '63. (MIRA 16:10)

1. Gomel'skoye otdeleniye AN BSSR (for Rutto). 2. Glavnyy inzh. Gomel'skogo porta (for Logvinov). 3. Starshiy inzh. Gomel'skogo otdeleniya AN BSSR (for Mironovich). 4. Starshiy inzh. mekhanizatsii Gomel'skogo porta (for Kovalev).
(Cranes, Derricks, etc.--Maintenance and repair)
(Plastic spraying)

BR[illegible]YY, V.A.; RUTTO, R.A.

Adhesiveness of plastics to metals. Dokl. AN BSSR 9 no.1:34-36 Ja '65. (MIRA 18:10)

1. Gomel'skiy otdel mekhaniki polimerov AN BSSR.

KESTEL'MAN, V.N.; KUTTO, B.A.; KESTEL'MAN, N.Ya.; SHISHOVALOV, Yu.I.; MIRONOVICH, L.L.

Relation between the wear resistance and adhesion of nylon coatings under the conditions of the various methods of their application on the metallic surface. Plast. massy no.8:59-61 '65. (MIRA 18:9)

BELYY, V.A.; VLASOVA, K.N.; ANTROPOVA, N.I.; RUTTO, R.A.; KESIEL'MAN, V.N.; LOSEV, V.P.; DERVOYED, N.A.; SAMOKHVALOV, A.V.

"Karbolan," the new material for antifriction coatings. Plast.massy no.2:48-50 '65. (MIRA 18:8)

L 01009-66 EWT(m)/EPF(c)/EWP(i)/EWP(v)/EWP(j)/T/EWP(t)/EWP(b) JD/WW/RM

ACCESSION NR: AP5019570 UR/0191/65/000/008/0059/0061
678.675'125.026.3.01:536.53:539.612

AUTHOR: Kestel'man, V. N.; Rutto, R. A.; Kestel'man, N. Ya.; Shapovalov, Yu. I.; Mironovich, L. L.

TITLE: Durability and adhesion of nylon coatings as a function of the methods of their deposition on metal surfaces

SOURCE: Plasticheskiye massy, no. 8, 1965, 59-61

TOPIC TAGS: adhesive bonding, nylon, steel, cast iron, plastic coating

ABSTRACT: The properties of polyamide coatings obtained by closely related methods are compared. The optimum temperature of the metal during the deposition of the nylon film was found to be 225-250°C (see fig. 1 of the Enclosure). Deviation from this temperature sharply decreases the adhesion of the coating and its physical and mechanical properties. Sand blasting of the surface of the metal increases the strength of coupling between the coating and the metal. The best adhesion of nylon to steel is achieved when the particle size of nylon is in the 200-270 μ range (see fig. 2 of the Enclosure). Below 200 μ nylon is oxidized at elevated temperatures

Card 1/4

L 01009-66

ACCESSION NR: AP5019570 3

and above 270 μ it is poorly melted. Powders were produced by dissolution of nylon in caprolactam moncmer, precipitation, extraction of solvent and drying. It was found that coatings obtained by different methods differ significantly in their durability. The most stable nylon coatings were obtained by the vibration method. "The authors express their gratitude to S. B. Ratner for his valuable advice." Orig. art. has: 4 figures. 44,55

ASSOCIATION: none

SUBMITTED: 00 ENCL: 02 SUB CODE: MT

NO REF SOV: 006 OTHER: 002

Card 2/4

L 01009-66

ACCESSION NR: AP5019570

ENCLOSURE: 01

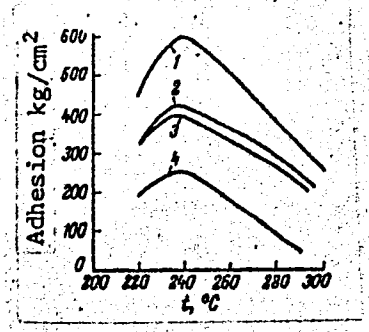

Fig. 1. Adhesion of nylon coatings to steel (1,3) and cast iron (2,4) parts as a function of surface temperature.

Card 3/4

L 01009-66

ACCESSION NR: AP5019570

ENCLOSURE: 02

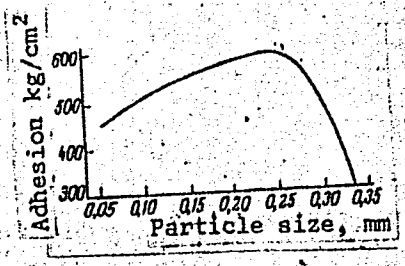

Fig. 2. Adhesion of nylon to steel as a function of the particle size of the nylon powder (the surface of the metal specimens was cleaned by sand blasting).

Card 4/4

RUTTO, R.A.

Use of a PMT3 instrument in measuring the microhardness of polymer coatings. Zav. lab. 31 no.2:234-235 '65. (MIRA 18:7)

1. Otdel mekhaniki polimerov AN BSSR.

KESTEL'MAN, V.N.; RUTTO, R.A.; KESTEL'MAN, N. Ya.; SHAPOVALOV, Yu.I.; MIRONOVICH, L.L.

Selecting parameters and methods for applying caprone coatings on metal surfaces. Mashinostroitel' no.11:33-34 N '64 (MIRA 18:2)

BELYY, V.A., kand. tekhn. nauk; KUFCHINOV, B.I., inzh.; RUTTO, R.A., inzh.

Use of plastics in the couplings of brake lever transmission.
Zhel. dor. transp. 46 no.10:66-67 O '64. (MIRA 17:11)

L 53668-65 EWT(m)/EPF(c)/EWG(v)/EWP(j)/T Pc-4/Pe-5/Pr-4 DJ/RM

ACCESSION NR: AP5014694 UR/0191/65/000/006/0048/0050

678.675'126.026.3.06:621.822.5

AUTHOR: Belyy, V. A.; Vlasova, K. N.; Antropova, N. I.; Rutto, R. A.; Kestel'man, V. N.; Losev, V. P.; Dervoyed, N. A.; Samokhvalov, V. V.

TITLE: Kaprolon: a new material for antifriction coatings

SOURCE: Plasticheskiye massy, no. 6, 1965, 48-50

TOPIC TAGS: antifriction coating, friction, caprolactam, polycaprolactam, coating, Kaprolon

ABSTRACT: The feasibility has been shown of applying "Kaprolon" antifriction coatings, and the effect of the coating method and substrate temperature on coating thickness has been studied as well as the microhardness, wear resistance, and adhesion of the coatings. Kaprolon is a new polyamide prepared by anionic polymerization of ε-caprolactam at 140—200C in the presence of alkaline initiators and various activators. Kaprolon, whose mechanical properties are said to exceed those of ordinary polycaprolactam by a factor of 1.5, is usually used for manufacturing machine parts by machining. It was found that the most uniform coating could be applied by a "vibration-fluidized bed" method. The high hardness and good adhesion

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L 53668-65

ACCESSION NR: AP5014694

(maximum at 230—250C) of such coatings from Kaprolon make it a suitable material for preventing wear of friction parts. Test-stand experiments using distilled water as a lubricant showed that Kaprolon coatings exhibit greater wear resistance than ordinary polycaprolactam coatings applied under the same conditions. Similar results were obtained in service tests. Service tests exceeding 18 months in duration confirmed the reliability of the coatings. Orig. art. has: 5 figures. [SM]

ASSOCIATION: none

SUBMITTED: 00 ENCL: 00 SUB CODE: MT, FP

NO REF SOV: 007 OTHER: 001 ATD PRESS: 4011

Card 2/2

L 41378-65 EPF(c)/EWP(j)/EWP(k)/EWT(d)/EWT(m)/EWP(h)/EWP(b)/T/EWA(d)/EWP(l)/EWP(v)/EWP(t) Pc-4/Pf-4/Pr-4 RM/JD

ACCESSION NR: AP5005484 S/0032/65/031/002/0234/0235

AUTHOR: Rutto, R. A.

TITLE: Utilization of the instrument PMT-3 for measuring the microhardness of polymer coatings

SOURCE: Zavodskaya laboratoriya, v. 31, no. 2, 1965, 234-235

TOPIC TAGS: polymer film, polymer property, microhardness, polyethylene

ABSTRACT: The microhardness of thin coatings of high-pressure polyethylene, polyvinyl-butyral, and polycaproamide on steel sheets was measured using the instrument PMT-3. It was found that with increasing loading rate the values of microhardness decreased so that a standard of 15 seconds for loading time was set. For loads of less than 30 g there were significant deviations and dispersions in the values of microhardness. With loads greater than 30 g the dispersion of values was much smaller, and the values were essentially independent of the load. A standard load of 100 g was used for the remaining measurements. The values of microhardness were found to decrease with increasing load application time, or, more precisely, linearly with the log of the time so that a standard of 30 seconds was used. There were only slight changes in microhardness with a change

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L 41378-65
ACCESSION NR: AP5005484

from 200 to 300C in the temperature of the steel backing. The values of microhardness of polyvinyl butyral and polyethylene increased slightly with increasing temperature, whereas those of polycaproamide decreased slightly. These were attributed to changes in the polymer structure. It was also found that changes in coating thickness between 0.1 and 0.6 mm had virtually no effect on the values of microhardness. Graphs are presented illustrating most of the effects mentioned above. Orig. art. has: 4 diagrams.

ASSOCIATION: Otdel mekhaniki polimerov, Akademii nauk BSSR (Department of Polymer Mechanics, Academy of Sciences, BSSR)

SUBMITTED: 00 ENCL: 00 SUB CODE: OC, GC

NO REF SOV: 004 OTHER: 002

CC
Card 2/2

L 35070-65 EPF(c)/EWP(j)/EWT(m)/EWP(b)/T/EWP(t) Pc-4/Pr-4 RM/JD

ACCESSION NR: AR5006371 S/0081/64/000/024/S095/S095

SOURCE: Ref. zh. Khimiya, Abs. 24S575

AUTHOR: Rutto, R. A.; Mironovich, L. L.

TITLE: Application of thin-layer, plastic coatings

CITED SOURCE: Sb. Primeneniye plast. mass v mashinostr. i priborostr. Minsk, 1964, 45-60

TOPIC TAGS: plastic coating, plastic powder, anticorrosion plastic coating, wear-resistant plastic, flame spraying

TRANSLATION: Processes for preparing surfaces and applying coatings on parts are examined. The very widely used method of flame spraying or hot deposition of a plastic powder consists of passing the powder, e.g. polyethylene or PFN-12, through a hot gas flame in which it is melted and then strikes the surface of a heated part. The advantages and disadvantages of the method, which is also applicable for deposition without preheating the surface, are noted. A general picture, diagram, and description of the apparatus for the vortex spraying of semi-liquified plastic powder are given. Optimum particle sizes are recommended. This method has a

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L 35070-65

ACCESSION NR: AR5006371 0

number of favorable features but is not universally applicable. An industrial version of the device has been developed; equipment used in the United States is described. A diagram of a technique for the jet or flameless spraying of polymers is presented which is especially effective using an electrostatic field and which can easily be automated. An unrestricted supply of compressed air is assumed in all methods. The design of a simple and inexpensive installation is given for the vibration deposition of plastic powder on small parts with a simple configuration. A centrifugal method is recommended for the application of coatings on large sleeve bearings and oversized bushings, 10-15 mm thick. The heat treatment of the coating is selected on the basis of the base, the powder to be sprayed, the structure of the powder, etc. Thin wear-resistant coatings are used to restore machine parts. Anticorrosion coatings are applicable in electroplating shops of machine and instrument building plants and in meat, lard, and grain combines. Decorative coatings are used to trim tractors, automobiles, locomotives, railroad cars, and for the finish and anticorrosion protection of everyday equipment. See also RZhKhim, 1964, 20S475. B. Shemyakin

SUB CODE: MT, GC ENCL: 00

Card 2/2

L 31092-65 EPF(c)/EPR/EPA(s)-2/EWP(j)/EWP(k)/EWA(c)/EWT(m)/EWP(b)/T/EWP(v)/EWP(t)
Pc-4/Pf-4/Pr-4/Ps-4 RM/WW/JD/HM

ACCESSION NR: AP5006864 S/0250/65/009/001/0034/0036

46
45
B

AUTHOR: Belyy, V. A.; Rutto, R. A.

TITLE: Bonding of plastics to metals

SOURCE: AN BSSR. Doklady, v. 9, no. 1, 1965, 34-36

TOPIC TAGS: bonding, adhesion, metal nonmetal bond, plastic bearing, plastic coating, polyamide, polyamide metal bond

ABSTRACT: The purpose of the work was to investigate the dependence of the bonding strength of polycaproamide with steel and cast iron as a function of the preheating temperature of the pieces to be bonded. Metal samples (steel St3 and cast iron SCh 18-36), both with machined and sandblasted surfaces, were degreased, preheated to a given temperature, and coated with powdered polycaproamide by turbulent dusting. Finely powdered polycaproamide was obtained by precipitation from a monomer solution. The coated metal samples were joined and normalized. Rupture tests showed the optimal temperatures to be 225—235C, resulting in bond strengths of 400 kg/cm^2 for steel and 225 kg/cm^2 for cast iron. Sandblasted samples showed strengths of 600—610 kg/cm^2 for steel and 400—420 kg/cm^2 for cast iron. Prior phosphatization of metal surfaces lowered the bond strengths. The results obtained are in good agreement with the

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L 34092-65

ACCESSION NR: AP5006864

physicomechanical properties of finely dispersed polycaproamide. The above method permits determination of optimal temperatures for coating steel and cast iron parts, such as bearings, etc. Orig. art. has: 2 figures [VS]

ASSOCIATION: Gomel'skiy otdel mekhaniki polimerov AN BSSR (Gomel Branch of the Mechanics of Polymers, AN BSSR)

SUBMITTED: 13Feb64 ENCL: 00 SUB CODE: MM,MT

NO REF SOV: 002 OTHER: 000 ATD PRESS: 3209

Card 2/2

RUTUS, B.V.

Changing the design of center-shaft pads of the 700 rolling mill. Sbor.rats.predl.vnedr.v proizv. No.1:16 '61. (MIRA 14:7)

1. Azerbaydzhanskiy truboprokatnyy zavod.
(Rolling mills)

GRITSUK, N.F.; FEDIN, V.P.; GUBERT, S.V., inzh.; RUTUS, M.V., inzh.

Book reviews. Stal' 25 no.6:551-552; 565 Je '65.
(MIRA 18:6)

1. Gosudarstvennyy soyuznyy institut po proyektirovaniyu metallurgicheskikh zavodov (for Gubert, Rutus).

LUKOVSKIY, Yu. [Lukovs'kyi, IU.], inzh.; ZEMBITSKIY, B. [Zembyts'kyi, B.], inzh.; AKININ, P., inzh.; RUTUS, H., inzh.; GINDIS, Ya. [Hindis, IA.], inzh.; YERIKHEMZON, L., inzh.

Determination of the optimum program of automatic manipulation of buckets containing molten slag at granulation plants. Bud. mat. i konstr. 4 no.1:5-7 Ja-F '62. (MIhA 15:7)
(Zhdanov--Slag)

WASILEWSKI, Ludwik; GNOT, Witold; RUTYNA, Jacek

Polluted mercury, the main cause of mercury losses in the electrolytic process of chlorine production. Przem chem 41 no.12:702-705 D '62.

1. Katedra Elektrochemii Technicznej, Politechnika Slaska, Gliwice, i Instytut Chemii Nieorganicznej, Gliwice.

RUTYYEV, K. M.

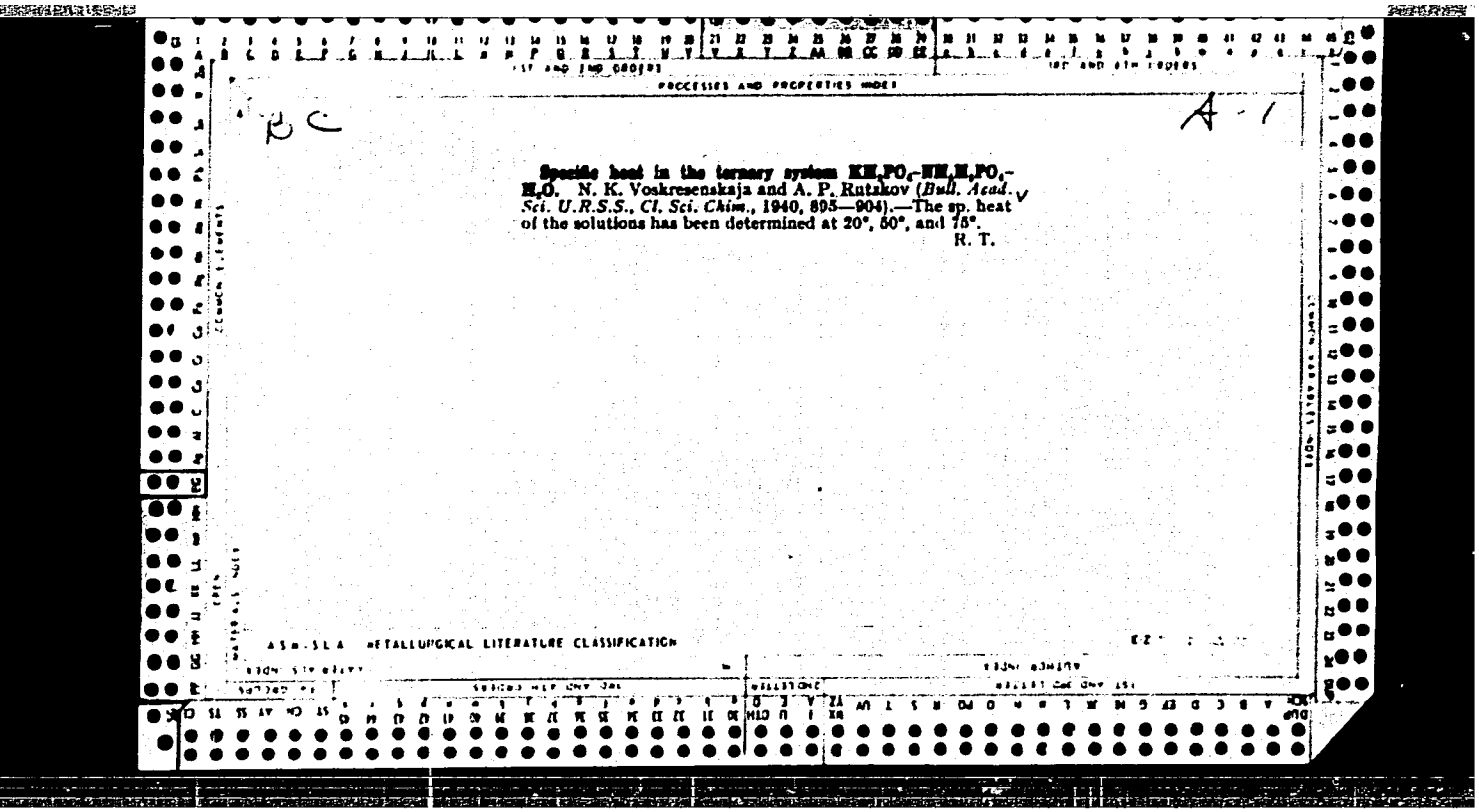
"On the Theory of Partially Ordered Groups." Cand Phys-Math Sci, Ural State U imeni A. M. Gor'kiy, Min Higher Education USSR, Sverdlovsk, 1955. (KL, No 14, Apr 55)

SO: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (16).

Rutczyńska-Skonieczna, E.

Nutritional value of canned green peas. I. Energetic and mineral constituents. Cecylia Hiszpańska, Jan Zaleski, Eugenia Rutczyńska-Skonieczna, Barbara Chojnicka, and Innocentyna Ardyn (Państwowego Zakładu Hig., Warsaw). *Roczniki Państwowego Zakładu Hig.* 7, 43–53(1956)(English summary).—Canned peas from 3 production seasons were exam'd., and the proportion of peas to the brine in cans was estd. The following av. values were found during the chem. analysis per 100 g. of solids: grain content 62.2; moisture 83.44; proteins (N × 6.25) 5.4; fat 0.33; carbohydrates 10.0; cellulose 2.3; and ash 1.07%; Ca 45; Fe 3.0; P 86 mg. %; caloric value 65 kcal. II. Vitamin content. Barbara Desperak-Secomska, Barbara Dietl, and Stefan Książny. *Ibid.* 55–70.—Mean vitamin content for 31 samples of canned green peas was found to be: β-carotene 0.36; total carotenoids 0.79; vitamin C 8.7; B_1 0.129; B_2 0.088; and nicotinic acid 1.24 mg. %. In the brine vitamin C 8.7; B_1 0.132; B_2 0.058; and nicotinic acid 1.2 mg. %.

R. Ehrlich



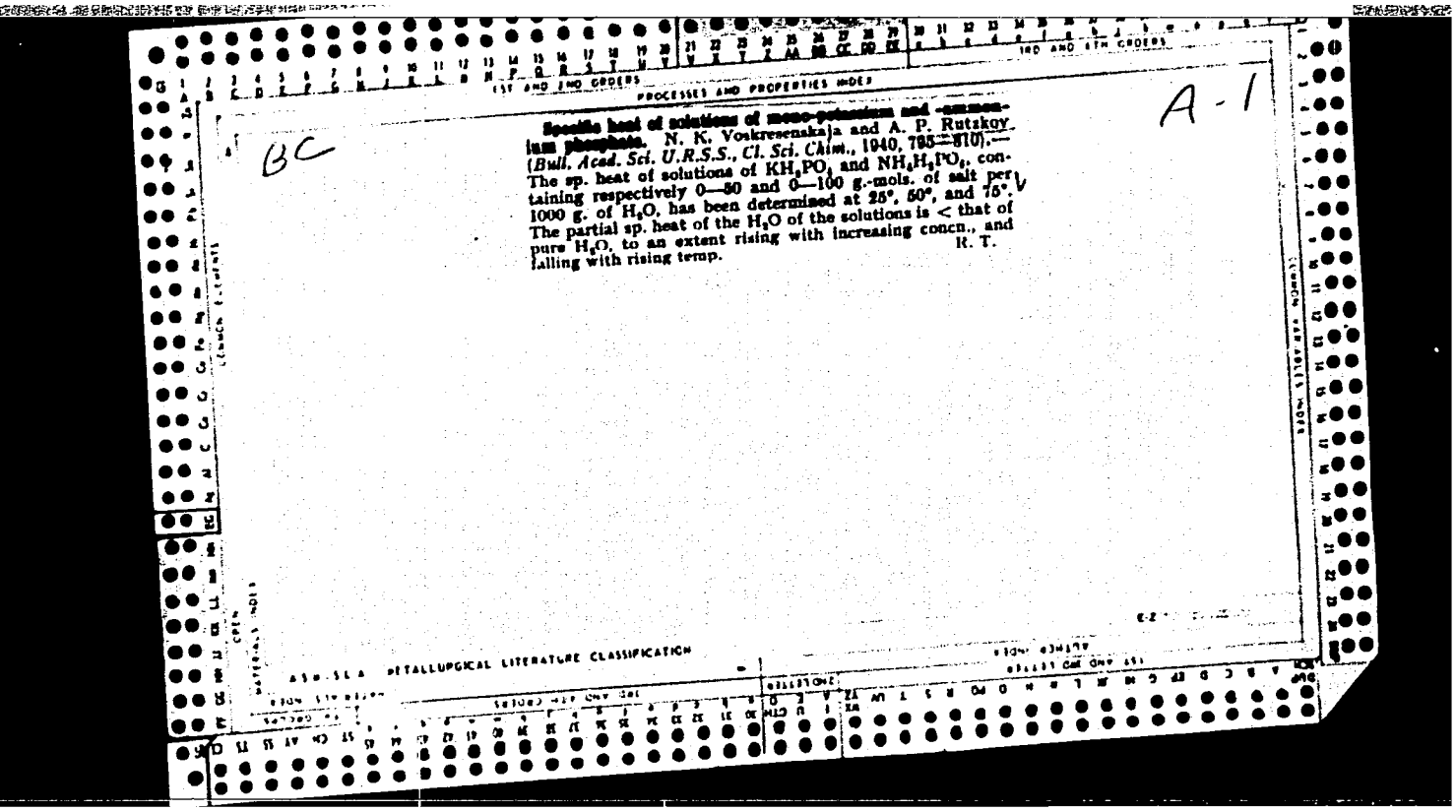
PROCESSES AND PROPERTIES INDEX

A-1

Specific heat in the ternary system KH_2PO_4–$NH_4H_2PO_4$–H_2O. N. K. Voskresenskaja and A. P. Rutakov (*Bull. Acad. Sci. U.R.S.S., Cl. Sci. Chim.*, 1940, 895—904).—The sp. heat of the solutions has been determined at 20°, 50°, and 75°.

R. T.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



PROCESSES AND PROPERTIES INDEX

BC

A-1

Specific heat of solutions of mono-potassium and -ammonium phosphate. N. K. Voskresenskaja and A. P. Rutzkoy. (*Bull. Acad. Sci. U.R.S.S., Cl. Sci. Chim.*, 1940, 795—810).—The sp. heat of solutions of KH_2PO_4 and $NH_4H_2PO_4$, containing respectively 0—80 and 0—100 g.-mols. of salt per 1000 g. of H_2O, has been determined at 25°, 50°, and 75°. The partial sp. heat of the H_2O of the solutions is < that of pure H_2O, to an extent rising with increasing concn., and falling with rising temp.

R. T.

A1m-SLA METALLURGICAL LITERATURE CLASSIFICATION

CA

12

Effect of metals on the quality of butter. E. Ruuter. *Molochnaya Prom.* 12, No. 11, 20-4(1951).—Fe and Cu in butter lead to deterioration of taste qualities. However, the effect depends not so much on the actual concn. of the metal as on its distribution throughout the butter mass by the way of water globules that are distributed throughout the substance. The effects are particularly troublesome when globule size is small, i.e. total area is considerable; this is especially true during treatment of cream residues with their high dispersion of water globules. G. M. K.

S/044/62/000/010/020/042
B166/B102

AUTHOR: Ruubel, A.

TITLE: On the refinement of Mises' error formula for the Adams method

PERIODICAL: Referativnyy zhurnal. Matematika, no. 10, 1962, 25, abstract 10V126 ("Eesti Pollumaj. Akad. teaduslike töode kogumik, In collection: Nauchn. tr. Est. s.-kh. akad., no. 22, 1961, 92 - 107 [Est.; summaries in Rus. and Ger.])

TEXT: To evaluate the error of the result obtained by numerical integration of the ordinary differential equation $\frac{dy}{dx} = f(x,y)$ by the Adams method, Mises gives the following formula: $|\varepsilon_n| \leqslant \varepsilon z_1^n + \gamma_n h^{r+1} \frac{|f^{(r+1)}|}{\varkappa} (z_1^n - 1)$, where $\gamma_r = \frac{\beta_r}{A_r}$, $A_r = a_{r0} - a_{r1} + a_{r2} - \ldots - (-1)^r a_{rr}$, $|y_k - y(x_k)| \leqslant \varepsilon_k < \bar{\varepsilon}$ ($k = 0, 1, 2, 3, \ldots, r$; $x_k = x_0 + hk$), by which the error limit is determined for any value found for y. On the basis of auxiliary theorems the following formulas are derived:

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B166/B102

On the refinement of Mises'...

$$\bar{\varepsilon}_n = \varepsilon z_1^{n-\frac{r}{2}} + \gamma_r h^{r+1} \frac{|f^{(r+1)}|}{\varkappa} (z_1^{n-\frac{r}{2}} - 1);$$

$$\bar{\varepsilon}_n = \varepsilon z_1^{n-(r-1)/2} + \gamma_r h^{r+1} \frac{|f^{(r+1)}|}{\varkappa} (z_1^{n-(r-1)/2} - 1),$$

(for $n > r$)

$$|\varepsilon_n| \leq \varepsilon z_1^{n-r+1} + \gamma_r h^{r+1} \frac{|f^{(r+1)}|}{\varkappa} (z_1^{n-r+1} - 1),$$

which give closer error limits to the result obtained by the Adams method, with the same volume of computation work. The proof that these formulas really do give the error limits is based on comparing the results thereby obtained with those from the previously derived Mises formula for determining the error of each value found for y. [Abstracter's note: Complete translation.]

Card 2/2

84386

S/056/60/039/004/004/046
B004/B070

24.6600

AUTHORS: Teplov, I. B., Shevchenko, O. P., Ruuge, E. K.

TITLE: Angular Distribution of α-Particles in $F^{19}(p,\alpha)O^{16}$ Reaction

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1960, Vol. 39, No. 4(10), pp. 923-928

TEXT: The purpose of the present work was to study the angular distribution of alpha particles produced by 5.1 - 6.5 Mev protons in the reaction $F^{19}(p,\alpha)O^{16}$. The protons were obtained by accelerating molecular hydrogen in the 120-cm cyclotron at the authors' institute. The experimental arrangement is shown in Fig. 1. The proton energy was measured by slowing them in an aluminum foil (10.5μ). The particles produced in the reaction were recorded by a telescope consisting of three proportional counters. The counters were arranged in a chamber which could be rotated round the target from 0 to 160°. A pulse height analyzer (Fig. 2) was used to separate the alpha particles from the protons. Fig. 3 shows the energy spectrum of alpha particles emitted at 30° when a

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Angular Distribution of α-Particles in $F^{19}(p,\alpha)O^{16}$ Reaction

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B004/B070

fluoroplastic target is bombarded with 6.6-Mev protons. The angular distribution of long range particles produced in the reaction $F^{19}(p,\alpha)O^{16}$ and corresponding to the formation of O^{16} nucleus in the ground state (Q_0 = 8.12 Mev) was measured for eleven proton energies between 5.15 and 6.68 Mev. The results in the center of mass system are represented in Fig. 4. All the observed angular distributions were strongly anisotropic. The angular distributions obtained experimentally are compared with those calculated on the assumption of direct processes in Fig. 5. The strong dependence of the angular distribution on the proton energy indicates that the mechanism of reaction plays a decisive role. From the study of cross sections and differential cross sections for 30, 90, and 150° (Fig. 6), the authors conclude that when the proton energies lie between 5.1 and 6.5 Mev no particular mechanism of reaction is predominant; direct processes as well as the formation of compound nuclei takes place in this range. The authors thank B. V. Devichev for help in the work. There are 6 figures and 10 non-Soviet references.

Card 2/3

84386

Angular Distribution of α-Particles in $F^{19}(p,\alpha)O^{16}$ Reaction

S/056/60/039/004/004/048
B004/B070

ASSOCIATION: Institut yadernoy fiziki Moskovskogo gosudarstvennogo universiteta (Institute of Nuclear Physics of the Moscow State University)

SUBMITTED: May 6, 1960

Card 3/3

[redacted] L.A.

Free radicals of ascorbic acid arising from the interaction with proteins. Biofizika 10 no.4:689-692 '65. (MIRA 18:9)

1. Khimicheskiy fakul'tet Moskovskogo gosudarstvennogo universiteta.

SUUGS, E.K.

Changes in the reaggregation speed of the macerated sponge Halichondria panicea as related to the Mg^{2+} content of seawater. Biofizika 7 no.5:632-633 '62. (MIRA 17:8)

1. Fizicheskiy fakul'tet Moskovskogo gosudarstvennogo universiteta imeni Lomonosova.

AAMISEPP, I.; EICHENBAUM, E.; HALLER, E.; KAARLI, K.; KIIK, H.; KIVI, V.; KOTKAS, H.; KORJUS, H.; LEIVATEGIJA, L.; LIIV,J.; LÄNTS, L.; MÄLKSOO, A.; PEDAJA, V.; POLNA, H.; RANDALU, I.; RUUGE, J.; SEKSEL, H.; TOOMRE, R.; TUPITS, H.; TUUL, S.; TÕNISSON, H.; TÄÄGER, A.; VIIRAND, M.; VAHENÕMM, K.; ARAK,A., red.

[Plant breeding] Taimekasvatus. Tallinn, Eesti Raamat, 1964. 813 p. [In Estonian] (MIRA 18:1)

RUUKEL, H.

Which drainage pipes should be preferred? p. 285.

SOTSIALISTLIK POLLUMAJANDUS. (Pollumajanduse Ministeerium)
Tallinn, Estonia. Vol. 13, no. 6, June 1958.

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

Uncl.

RUUKEL, H.

Some land-drainage problems from the standpoint of a practical worker. p. 335.

GAZ, WODA I TECHNIKA SANITARNA (Stowarzyszenie Naukowo-Techniczne Inzynierow i Techników Sanitarnych, Ogrzewnictwa i Gazownictwa) Warszawa, Poland, Vol. 32, no. 6, June 1958.

Monthly list of East European Accession (EEAI) LC, Vol. 9, no. 2, Feb. 1960

Uncl.

RUUKEL, H.

Work experiences with drainage-excavator ETN-1h2. p. 39

SOTSIALISTLIK POLLUMJANDUS. POLLUMJANDUS MINISTEERIUM.
Tallin, Hungary. No. 1, 1958

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

Uncl.

USSR / Human and Animal Physiology. Blood. T

Abs Jour: Ref Zhur-Biol., No 9, 1958, 41233.

Author : Ruumina, V. I.; Sezebrennikova, I. A.; Kleytman, Ye. I.

Inst : All-Union Society of Physiologists, Biochemists and Pharmacologists.

Title : Blood Glycolysis in Experimental Hemolytic Anemias Produced by Dyes.

Orig Pub: Tr. Vses. o-va. fiziol., biokhim. i farmakologov., 1956, 3, 95-99.

Abstract: Hemolytic anemia was produced in experiments in 25 rabbits by subcutaneous injection of 1-2% aqueous solution of picric acid (130 mg/kg), methylene

Card 1/3

Abs Jour: Ref Zhur-Biol., No 9, 1958, 41233.

Abstract: blue (200 mg/kg) - and for the purpose of comparison - by injection of 10% phenyl-hydrazine (200 mg/kg solutions). Determinations were made of Hb values, erythrocyte (E) and reticulocyte (R) counts, changes in E, sugar and lactic acid (I) contents and the glycolytic properties of E in defibrinated blood. In experiments with methylene blue in the majority of rabbits, on the second day, already there was noted a thickening of blood (increase of Hb and E counts): 60-70% of E contained hemoglobinic degenerative bodies. Sugar content rose 1 1/2 times. Formation of I decreased: the rate of its increase after 3 hours of glycolysis prior to injection of the poison was on the average 52%, after 24 hours - 33%. After injection of picric acid the values of Hb and E decreased; degenerative bodies

USSR/Farm Animals. Domestic Birds

Q-5

Abs Jour : Ref Zhur - Biol., No 11, 1958, No 50106

Author : Ruus C.
Inst : Estonian Academy of Farming
Title : The Biology of Egg Laying in Geese

Orig Pub : Sb. nauchn. tr. Est. s.-kh. akad., 1956, 2, 116-124

Abstract : Geese which are capable of laying eggs for a period of more than 2 months may be considered highly productive. The egg laying volume of geese which lacked the instinct of hatching was 20 percent higher than of geese which had developed this instinct. If brood-hens were permitted to walk about freely during the first period of egg laying, egg laying was increased by about 50 percent. Failure to become fertilized was observed more often at the beginning of the egg laying season than at a later date. -- L.M. Dvinskaya

Card : 1/1

Q

USSR/Farm Animals. Poultry.

Abs Jour: Ref Zhur-Biol., No 17, 1958, 78791.

Author : Ruus [illegible]
Inst : Estonian Agricultural Academy.
Title : Connection Between Selectivity of Fertility and Duration of Stay of Rooster Spermatozoids in the Oviduct of the Hen.

Orig Pub: Eesti pollumajanduse Akad. teaduslike toode, kogumik, Sb. nauchn. tr. est. s.-kh. akad., 1956, 2, 125-132.

Abstract: To clarify which spermatozoa - "old" (located in the oviduct of the hen for some time) or young - are more dominant in the process of fertilization, a test was carried out with 3 groups

Card : 1/2

RUUS, C.,

Determination of the sex of geese. p.556

SOTSIALISTLIK POLLUMAJANDUS. Tallinn, Estonia. Vol. 14, no. 12, June 1959

Monthly List of East European Accessions (EEAI), LC. Vol. 8, No. 9, September 1959
Uncl.

RUUS, C.

"Geese varieties in Estonia and their productivity."

p. 501 (Sotsialistlik Pollumajandus) Vol. 12, no. 11, Nov. 1957
Tallinn, Estonia

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

B.

USSR/General Biology - Genetics. Animal Genetics.

Abs Jour : Ref Zhur - Biol., No 21, 1958, 94696

Author : Ruus, G., Zelnin, V.

Inst : Estonian Agricultural Academy.

Title : On the Possibility of Obtaining Vegetative Hybrids by Protein Substitution in Various Bird Species.

Orig Pub : Eesti Polumaj. Akad. teaduslike toode kogumik, Sb. nauchn. tr. Est. s-kh. akad., 1957, 3, 153-160

Abstract : Experiments were cited on the substitution of 20 ml of protein in eggs of chickens, turkeys and ducks with the same quantity of protein from eggs of another breed or species of birds. Protein substitution occurred on the 2-3rd day of incubation. Percentage of hatchings with partial protein substitution varied from 0 to 19; in the control group eggs of the leghorn chicken it equaled

Card 1/3

USSR/General Biology - Genetics. Animal Genetics. B.

Abs Jour : Ref Zhur - Biol., No 21, 1958, 94696

76. All the young hatched from eggs with partial protein substitution were completely similar to the breed from which the eggs occurred as regard to weight at birth and external aspect. In another experiment, in eggs obtained from cross breeding leghorn chickens with Rhode Island roosters, 20-22 ml of protein was substituted with protein from bronze turkey eggs. Roosters obtained from such eggs were paired with leghorn chickens and in the eggs of the latter 20-22 ml of protein was substituted anew with the same quantity of protein from bronze turkey eggs. Chickens and roosters of the experimental groups of the 2nd and 3rd generations were interbred, also substituting in their eggs 20-21 ml of protein with the same quantity of protein from the bronze turkey eggs. The partial substitution in the four generations of protein of the chicken eggs by protein of the bronze turkey did not cause in the progeny apparances of any signs in the exterior, temperament,

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USSR/General Biology - Genetics. Animal Genetics. B.

Abs Jour : Ref Zhur - Biol., No 21, 1958, 94696

voice, form and color of eggs, hatching instinct which are characteristic for the turkey. Some reduction of egg laying capacity and live weight was observed. -- Ya. L. Glenbotskiy

Card 3/3

RUUS, L.

"Mechanized preparation of soil for new forest cultures in the Saaremaa forestry centers."

p. 565 (Sotsialistlik Pollumajandus) Vol. 12, no. 12, Dec. 1957
Tallinn, Estonia

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

1. RUUS, T. S.

2. USSR (600)

4. Poultry Breeding

7. Effect of cooling eggs during the incubation period on hatching and subsequent development of chicks. Ptitsevodstvo no. 5, 1952.

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

RUUS, TS.Kh. , kand.sel'skokhozyaystvennykh nauk

Growth characteristics of geese incubated at varying temperature.
Ptitsevodstvo 8 no.6:36-38 Je '58. (MIRA 11:6)

1.Estonskaya sel'skokhozyaystvennaya akademiya.
(Estonia--Geese) (Incubation)

BUSSEL, Oleg; KRUUS, Einar; LEVALD, Heino; OLTERS, H., retsenzent; RUUSALEP, L., retsenzent; KORBA, A., red.; LIIVAND, T., tekhn. red.

[Shipbuilding] Laevade üldehitus. Tallinn, Eesti Riiklik Kirjastus, 1963. 281 p. (MIRA 17:1)
(Shipbuilding)

RUUZALEP, A.I.

Description of the light for the "ShT" aerological theodolite.
Meteor. i gidrol. no.4:87 '48. (MLRA 8:2)
(Theodolites)

STEPANOV, B.I.; RUVANOV, A.S.

Calculations based on receiver readings involving optical amplifiers. Dokl.AN BSSR 4 no.9:372-375 S '60. (MIRA 13:9)

1. Institut fiziki AN BSSR.
(Spectrum analysis)

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