10

CA

Comparative study of solanine, demissine, and tomatine.

S. M. Prokoshev, E. I. Petrochenko and V. Z. Baranova (A. N. Bakh Biochem. Inst., Moscow). *Doklady Akad. Nauk S.S.S.R.* 74, 339-42(1950). The anal. of saccharides obtained from the 3 glucoalkaloids indicates that solanine contains a trisaccharide, while demissine and tomatine contain a tetrasaccharide unit; in spite of repeated purification, demissine m. 276-9° (Kuhn and Löw, *C.A.* 42, 7783, give 285-8°). The Bial test for pentose on hydrolyzates of these substances gave a green color (as do arabinose and xylose) with demissine and tomatine, but a yellow-green with solanine hydrolyzate (as with rhamnose); quant. detn. showed 1 unit of pentose in the tetrasaccharides. The Dische-Shettles reaction (*C.A.* 43, 4273i) showed a methylpentose unit in solanine and pentose in the other 2 glucoalkaloids. The Alberti reaction (colorimetry of color developed by cold H_2SO_4, followed by 1% CH_2O) was red with solanine, and almost no color with the other 2 substances; this reaction is produced by the solanidine unit, as the aglucon-free product fails to give a color; the difference between solanidine and demissidine lies in the presence of a double bond (readily hydrogenated over Raney Ni or Pd black) in the former. Tomatine also lacks the double link, and is very closely related to demissine (or may be identical with it).

G. M. Kosolapoff

1957

CA

11D

Glycoalkaloids of some wild species of potato. S. M. Prokoshev and E. I. Petrochenko (A.N. Bakh Biochem. Inst., Acad. Sci. U.S.S.R., Moscow). *Doklady Akad. Nauk S.S.S.R.* 74, 841-4(1950).--Solanine type products were found in leaves of *Solanum jurcdii*, *S. doluchoitigma*, *S. schuchii*, *S. gibberulosum*, and *S. malinae*. The demissine type was found in *S. rionegrinum* and *S. schreiteri*. Both insect-resistant specimens in Commersoniana group contain predominantly solanine-type products; hence the Colorado beetle resistance is more complex than suggested by Kuhn and Gauhe (*C.A.* 42, 7917h). Products of both solanine and demissine types are frequently found. All demissine contg. plants are rather resistant to frost injury.

G. M. Kosolapoff

11D

CA

The content and the transformations of citric and malic acids in potato tubers. S. M. Prokoshev and R. I. Petrochenko (A. N. Bakh Biochem. Inst., Moscow). *Doklady Akad. Nauk S.S.S.R.* 74, 981-6(1950). Various brands of potatoes give av. 0.2% citric acid and 0.112% malic acid (wet wt.), after storage 6-7 months in suitable bins (Pucher, *et al.*, *C.A.* 28, 5854[4]). The sum of the 2 acids remains const. but almost 50% of citric acid is transformed into malic after 3 days at 18-20° under conditions in which CO_2 content of the surrounding atm. remains normal; if CO_2 level initially is 5% and no provision for its removal is made (i.e. retarded oxidation) the sum of the 2 acids declines, largely because of a drop of citric acid. Infiltration of pyruvic acid has little effect. No explanation is attempted.

G. M. Kosolapoff

CA

12

The dynamics of vitamin C in storage of potatoes. E. I. Petrochenko. *Doklady Akad. Nauk S.S.S.R.* 78, 953-4 (1951).- In storage various varieties of potato show a min. level of vitamin C about February (5 months) and the av. curve from October is nearly a straight line. Changes beyond that are slight and the level remains about 10 mg. %. The dehydroascorbic acid fraction increases with storage period.

G. M. Kosolapoff

PETROCHENKO, YE. I.

Tomatin

Variability of the tomatin content in tomato leaves. Dokl. AN SSSR No. 2, 1952.
Institut Biokhimii im. A. N. Bakha Akademii Nauk SSSR. rcd. 18 Dec. 1952

SO: Monthly List of Russian Accessions, Library of Congress, August 1952 1953, Uncl.

17

CA

Determination of glucoalkaloids in the potato family. S. M. Prokoshev, E. I. Petrochenko, and V. Z. Baranova (Bakh Biochem. Inst., Moscow). *Biokhimiya* 17, 362-7 (1952); cf. *C.A.* 45, 3855i.—The glucoalkaloids (I) are best extd. with 2% HPO_3. No hydrolysis takes place when 2% solns. of I in HPO_3, H_2SO_4, or HOAc are allowed to stand at room temp. for 8 days. Solanine is completely hydrolyzed by *N* H_2SO_4 on a boiling water bath for 3 hrs., and demissine and tomatine in 4 hrs. A soln. of I in *N* H_2SO_4 on neutralization with NH_3 to pH 5-11.7 contains (mg./100 ml.) solanine 0.37, demissine 1.10, and tomatine 0.97. The rhamnose in solanine does not give a green color with Bial's reagent, whereas the xylose of demissine and tomatine does. This test distinguishes solanine from demissine and tomatine, and permits of the detn. of the latter 2 substances. About 1-3 g. of the dried leaves are treated with 50 ml. 2% HPO_3, HOAc, or H_2SO_4, shaken for 2 hrs., filtered on a Büchner funnel, and again extd. The 2 exts. are combined and made alk. with NH_3 (phenolphthalein). The flask is warmed to 70-80°, the ppt. filtered, and washed 2-3 times with very dil. NH_4OH. The total vol. of the soln. is detd., and a correction is made for the soly. of I. The filter and ppt. are dried and extd. with 250 ml. EtOH, and the solvent is distd. off without vacuum. The dried residue is dissolved in *N* H_2SO_4 and made up to 25 ml. I are detd. in this soln. by the method of Plankuch (*C.A.* 32, 2054[1]) with concd. H_2SO_4 and HCHO. The intensity of the red color is compared to that given by solanine. The intensity (extinction, *E*/mg. sugar) is 0.4-0.8 for solanine, and 0.04-0.10 for demissine and tomatine. The nature of I is then detd. by hydrolysis and Bial's test. A part of the hydrolyzate is used for the detn. of glucose. The sugar content and type of I as found by the 2 colorimetric tests are used for the calcn. of I in the sample. When roots are analyzed, the acid extn. is omitted, and the EtOH extn. is used directly.

H. Priestley

11-D

CA

Glucoalkaloids of tuber-bearing forms of Solanum in connection with their resistance to Colorado beetle. S. M. Prokosbev, E. I. Petrovshenko, and V. Z. Baranova. *Doklady Akad. Nauk S.S.S.R.* 82, 955-8(1952).—In all forms of potato tubers the same glucoalkaloid is found in the tubers as in the leaves. Only in *S. rosengrianum* is solanin found in the tuber and demissine in the leaves, although it appears that this report (*C.A.* 45, 3064*e*) might have been in error. Systematic study of numerous specimens of *Solanum* species showed that the resistance to Colorado beetle by *S. demissum* and possibly by forms of the acaulia group is caused by repellence or toxicity carried by demissine. The resistance of other forms (*S. hoeweitzii*, *S. maculor*) cannot be explained by the demissine content and is due to some unknown causes.

G. M. Kosolapoff

11-D

CA

Variability of tomatin content in tomato leaves. S. M. Prokofiev, E. I. Petrochenko, and V. Z. Baranova (A. N. Bakh Biochem. Inst., Moscow). *Doklady Akad. Nauk S.S.S.R.* 83, 261-4(1952).—*Lycopersicon esculentum* contains an av. of 0.63 mg. of tomatin per 100 g. of dry leaf in July, 0.81 in August, and 0.59 in September; *L. validum* has some 0.1-0.2 higher levels. The highest level, 1.57, is found in *L. pimpinellifolium* in August, the lowest in early and midsummer in *L. pruniforme*, *L. piriforme*, and *L. persicum*. Hybrids contain intermediate concns. The glucoalkaloid is highest in concn. in green tomatoes, reaches a min. in the pink state, and rises slightly in completely ripe tomatoes. The bial reaction is pos. only in the green product. No significant variation in tomatin content was found in leaves at various levels. G. M. Kosolapoff

CA

11-0

Inheritance of glucoalkaloids by interspecies hybrids of potato. S. M. Prokofiev, B. L. Petrochenko, and V. Z. Haranova (A. N. Bakh Biochem. Inst., Moscow). *Doklady Akad. Nauk S.S.S.R.* 83, 457-60(1952); cf. this J. 82, 935(1952); *C.A.* 45, 2064*e*; preceding abstract.—Cross-hybrids of several potato types contain comms. of glucoalkaloids that are intermediate between the contents in the parent plants. Species that contain either solanin or demissine show after hybridization the presence of both alkaloids (*Solanum tuberosum* or *panus* crossed with *S. demissum*). The inheritance of the glucoalkaloids in the hybrids also has the intermediate character especially on crossing with *S. demissum* with various selective varieties. The following generations show lowered resistance to Colorado beetle owing to gradual decline in demissine content. G. M. Kosolapoff

CA

Glucoalkaloids in leaves and tubers of vegetatively grafted nightshade plants S M Prokofiev, K I Pyltsovchenko, G S Il'in, V Z Batanova, and N A Izhaleva (A N Bakh Biochem Inst, Moscow). *Doklady Akad Nauk S S S R* 83, 881-4(1952). Glucoalkaloids of nightshade plants form only in the leaves (possibly to some extent in the stems as well) but not in the tubers. In this they differ from nicotine and tropane-type alkaloids. In grafted plants the specific action of the parent plant appears in the use of glucoalkaloids in the leaves of the graft. A possibility of alteration of glucoalkaloids in potato tubers as a result of grafting is indicated. Grafting of nontuber-bearing plants onto potato failed to produce tubers in the products. Grafts of domestic potato onto wild potato gives equal amts of both glucoalkaloids: solanine and demissine in the tubers; the leaves of the graft carry only solanine. The root part, thus, does not affect the chem. nature of glucoalkaloids accumulated in the leaves of the graft. G M Kosolapoff

PETROCHENKO, E. I.

Chromatographic study of the glucoside part of glucoalkaloids of solanaceous plants. E. I. Petrochenko. *Doklady Akad. Nauk S.S.S.R.* 90, 841-2(1953).—Solanine, demissine, and tomatin hydrolyzed 3-4 hrs. with *N* H_2SO_4 on a steam bath were neutralized with NaOH, filtered from pptd. aglycon and the neutral solns. contg. about 1% of the expected carbohydrate were chromatographed on paper 18-24 hrs. Galactose and glucose were found in all species of *Solanum* tested. Xylose was absent in *S. ribberulorum*, *S. dolichostigma*, *S. schickii*, and *S. macolae*, and was present in *S. horovitzii*, *S. schreiteri* and *S. jamesii*; rhamnose was present in all except *S. schreiteri* and *S. jamesii*. All 4 sugars were present in hybrids such as *S. tuberosum* × *S. demissum*, and *S. schreiteri* × *S. tuberosum*. G. M. K.

MD

PETROCHENKOV, P.G.

Regional blood pressure in the central retinal artery in schizophrenic patients during aminazine and reserpine therapy; a clinicophysiological study. Zhur. nevr. i psikh. 64 no.3: 428-433 '64. (MIRA 17:5)

1. Klinika shizofrenii (zaveduyushchiy - prof. L.L. Rokhlin) Nauchno-issledovatel'skogo instituta psikhiatrii (direktor - prof. D.D. Fedotov) Ministerstva zdravookhraneniya RSFSR, Moskva.

PETROCHENKO, Ye.I.; OPARIN, A.I., akademik.

Solaninases in potato sprouts. Dokl. AN SSSR 90 no.6: 1091-1093 Je '53. (MLRA 6:6)

1. Akademiya nauk SSSR (for Oparin). (Potatoes) (Enzymes)

PETROCHENKO, Ye.I. (Moskva)

Glycoalkaloids of the nightshade family. Usp.sovr. biol. 42 no.1: 19-32 Jl-Ag '56. (MLRA 9:10)
(ALKALOIDS) (NIGHTSHADE)

Petrochenko, Ye. I.

USSR/ Biology - Biochemistry

Card 1/1 Pub. 22 - 37-54

Authors : Prokoshev, S. M.; Petrochenko, Ye. I.; Paseshnichenko, V. A.

Title : Tomatinase in tomato leaves

Periodical : Dok. AN SSSR 106/2, 313-316, Jan 11, 1956

Abstract : Biochemical data are presented on a new ferment discovered in tomato leaves (tomatinase) which separates the sugar from tomatine and demissine molecules but does not affect the solanin (glucoside). Six references: 3 USSR, 2 Germ. and 1 French (1950-1954). Tables; graphs.

Institution : Acad. of Sc., USSR, Inst. of Biochemistry im. A. N. Bakh

Presented by: Academician A. I. Oparin, October 18, 1955

KOLESNIKOV, P.A.; PETROCHENKO, Ye.I.; ZORE, S.V.

Enzymatic reduction of quinone by glycolic acid. Dokl.AN SSSR 123 no.4:729-732 D '58. (MIRA 11:12)

1. Institut biokhimii imeni A.N.Bakha AN SSSR. Predstavleno akademikom A.I.Oparinym.
(GLYCOLIC ACID) (REDUCTION, CHEMICAL) (QUINONES)

17 (3)

AUTHORS: Kolesnikov, P. A., Petrochenko, Ye. I. SOV/20-127-6-43/51

TITLE: On Free Radicals in the Peroxidase Oxidation and Photooxidation of p-Cresol

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 127, Nr 6, pp 1297 - 1300 (USSR)

ABSTRACT: The products isolated among the products of the oxidation mentioned in the title (Ref 9), and also those of the chemical oxidation (Refs 6-8), namely: tetrahydrobenzopyrone (I), 2,2'-dioxy-5-5'-dimethylbiphenyl (II), as well as a triphenyl analogon (III), induced several investigators to consider the process of formation of these substances as proceeding over free radicals (Refs 5,8,10). All these products are colorless substances insoluble in water. The authors obtained products with these properties in the following ways: 1) By the action of light on p-cresol solutions in the presence of riboflavin (Ref 11); 2) By means of crystalline peroxidase of Messrs Light and Co Ltd; 3) By the action of potassium ferricyanide (Ref 6). In the oxidation of p-cresol, either by impurified or purified polyphenol oxidases from potato, no white or other insoluble

Card 1/3

On Free Radicals in the Peroxidase Oxidation and Photooxidation of p-Cresol SOV/20-127-6-43/51

product was formed, but a red-brown substance soluble in water. The "photoproduct" dissolves completely in slightly alkalized water. It precipitates again after acidification. Its solubility in acetone, benzene, methyl- and ethyl alcohol, ether, ethyl acetate, and chloroform, is very good. Neither the "peroxidase-" nor the "chemical" product dissolve completely in alkalized water, alcohol, or ether. They were both separated in 5%-NaOH into a soluble and an insoluble fraction (Ref 6). Table 1 shows the results of chromatographing (khromatografirovaniye) the photooxidation product. No other substances could be detected besides the one which forms spots with the values of R_f (see Table 1). Also the bi-dimensional chromatography was not able to separate the said substance: its melting point was 74°. Further constants of this substance are indicated. Its molecular weight of 394.5 is similar to that of the quater-phenyl analogon which consists of 4 dehydrogenated p-cresol molecules $(C_7H_7O \cdot C_7H_6O)_2$, and has a molecular weight of 426. On the other hand, the calculations of the empirical formula of the isolated product show that this substance con-

Card 2/3

On Free Radicals in the Peroxidase Oxidation and Photooxidation of p-Cresol SOV/20-127-6-43/51

sists of (C_6H_6O)-units. 4 such units would yield a substance $(C_6H_6O)_4$ with a molecular weight of 376, which is also similar to the isolated substance. The products obtained by the authors are, however, not similar to the products already described and mentioned above, either by their melting point, or molecular weight, or elementary composition. As is known, the reactions of the free radicals are inhibited by polyphenols (Ref 17). This produced 0.005 mg/ml of hydroquinone in proportion to the said white product. The peroxidase oxidation was inhibited by 0.6 mg/ml of hydroquinone. Further investigations of these problems are necessary. There are 1 table and 26 references, 6 of which are Soviet.

ASSOCIATION: Institut biokhimii im. A. N. Bakha Akademii nauk SSSR (Institute of Biochemistry imeni A. N. Bakh of the Academy of Sciences, USSR)

PRESENTED: May 12, 1959, by A. I. Oparin, Academician

SUBMITTED: May 12, 1959

Card 3/3

PETROCHENKO, Ye.I.; KOLESNIKOV, P.A.

Oxidation of phloroglucin by wheat sprouts. Biokhimiia 29 no.5:889-895 Jl-Ag '64. (MIRA 18:11)

1. Institut biokhimii imeni Bakha AN SSSR, Moskva.

PETROCHENKO, [illegible]

[illegible]

[illegible]

[illegible]
January [illegible], [illegible]

PETROCHENKO, Ye.I.; KOLESNIKOV, P.A.

Phenol and ascorbic acid oxidation in wheat germination. Biokhimiia 26 no.4:701-707 Jl-Ag '61. (MIRA 15:6)

1. Institute of Biochemistry, Academy of Sciences of the USSR, Moscow.

(PHENOLS) (WHEAT)
(ASCORBIC ACID)

P

USSR / General and Specialized Zoology - Insects.

Abs Jour : Ref Zhur - Biologiya, No 5, 1959, No. 20811

Author : Petrochenko, Ye. N.; Lovkova, M. Ya.
Inst : AS USSR
Title : On the Feeding and Diapause of the Colorado Beetle (Leptinotarsa decemlineata Say)

Orig Pub : V sb.: Koloradsk. zhuk i mery bor'by s nim. 2.M., AN SSSR, 1958, 186-187

Abstract : The albumen and lipoid contents of the leaves of the potato of the Lorch and Brelichingen varieties were determined during two years, and the absence of changes in any essential or regular manner in these elements was proved, as well as that of the lipocytic coefficient (ratio of lipoids to proteins) during the period of vegetation. The amount of lipoids

Card 1/2

BOTVINNIKOV, Vasiliy Ivanovich; KOLOBKOV, Mikhail Nikolayevich; KUZNETSOV, Konstantin Mikhaylovich; PETROCHENKO, V., red.; GERASEVICH, Z., tekhn. red.

[Rock products ofthe Kuznetsk Basin] Nerudnoe syr'e Kuzbassa. Kemerovo, Kemerovskoe knizhnoe izd-vo, 1961. 63 p. (MIRA 15:11)

(Kuznetsk Basin--Sand and gravel industry)

RADUN, D.V., kand. tekhn. nauk; LEVACHEV, A.G., kand. tekhn. nauk; PETROCHENKO, Yu.N., aspirant

Automation of the evaporator stations of chlorine plants. Trudy MEI no.48:31-43 '63. (MIRA 17:6)

KOSTOUSOV, A.I.; VASIL'YEV, V.S.; GRECHUKHIN, A.I.; DEGTYARENKO, N.S.; PETROCHENKOV, A.G.; PROKOPOVICH, A.Ye.; TELESHOV, A.P.; SHEVYAKOV, L.N.; GONCHAROVA, S.L., nauchn. red.; BORUSHMOY, I.V., red.; LOGINOVA, R.A., red.; MONAKHOVA, N.F., red.; SHCHEGLOVA, I.B., red.; KOVAL'SKAYA, I.F., tekhn. red.

[Machine-tool industry in Japan according to materials from the Machine-tool Exhibition of 1962 in Osaka] Stankostroenie IAponii; po materialam stankostroitel'noi vystavki 1962 goda v g.Osaka. Moskva, 1963. 473 p. (MIRA 16:12)

1. Moscow. TSentral'nyy institut nauchno-tekhnicheskoy informatsii po avtomatizatsii i mashinostroyeniyu.
(Japan—Machine-tool industry)

PETROPENKOV, F.G.

Piezographic examination of [illegible] in schizophrenia patients following aminazine treatment. Vop.klin., patog. i [illegible] 108-111 '64.

[illegible]

[illegible] Otdel [illegible] psikhiatrii Ministerstva zdravookhraneniya RSFSR.

SUKHANOV, V.V.; PETROCHENKOV, T.A.; SMIRNOV, G.N.; KONYAKHIN, Yu.Ya., inzh.; MOROZOVA, T.A.; GORSHKOV, V.V.; YEROSHENKO, N.A.; SHCHERBINA, N.P.

Letters to the editor. Put' i put.khoz. 4 no.11:44-45 N '60. (MIRA 13:12)

1. Dorozhnyy master, st. Syamba, Severnoy dorogi (for Sukhanov). 2. Starshiy dorozhnyy master, st. Moskva-Kurskaya (for Petrochenkov). 3. Dorozhnyy master 5-go okolotka, st. Khovrino, Oktyabr'skoy dorogi (for Smirnov). 4. Putevaya rabochaya st. Peshetnikovo, Oktyabr'skoy dorogi (for Morozova). 5. Starshiy putevoy rabochiy, st. Reshetnikovo, Oktyabr'skoy dorogi (for Gorshkov). 6. Predsedatel' komissii partiynogo kontorlya po zhilishchno-bytovym voprosam, st. Aksakovo, Kuybyshevskoy dorogi (for Yeroshenko). 7. Inzhener distantsii, st. Nadezhdinsk-Sortirovochnyy, Sverdlovskoy dorogi (for Shcherbina).
(Railroads)

POLUSHKIN, K.K.; YEMEL'YANOV, I.Ya.; DELENS, P.A.; ZVONOV, N.V.; ALEKSENKO, Yu.I.; GROZDOV, I.I.; KUZNETSOV, S.P.; SIROTKIN, A.P.; TOKAREV, Yu.I.; LAVROVSKIY, K.P.; BRODSKIY, A.M.; BELOV, A.R.; BORISYUK, Ye.V.; GRYAZEV, V.D.; POPOV, D.N.; KORYAKIN, Yu.I.; FILIPPOV, A.G.; PETROCHUK, K.V.; KHOROSHAVIN, V.D.; SAVINOV, N.P.; MESHCHERYAKOV, M.N.; PUSHKAREV, V.P.; SUROYEGIN, V.A.; GAVRILOV, P.A.; PODLAZOV, L.N.; ROGOZHKIN, I.N.; TETYUKOV, V.D.

"Arbus" atomic power plant with organic heat transfer agent and moderator. Atom. energ. 17 no.6:439 D '64 (MIRA 18:1)

PETROCHUK, K.V., inzh.

Reverse valve with self-locking [illegible]. Teploenergetika [illegible] MIRA 18:[illegible]
90 F '65.

L 24212-65 EWT(m)/EPF(c)/EPF(n)-2/EPR Pr-4/Pe-4/Pu-4 DM

ACCESSION NR: AP5001265 S/0089/64/017/006/0439/0448

AUTHOR: Polushkin, K. K.; Yemel'yanov, I. Ya.; Delens, P. A.; Zvonov, N. V.; Aleksenko, Yu. I.; Grozdov, I. I.; Kuznetsov, S. P.; Sirotkin, A. P.; Tokarev, Yu. I.; Lavrovskiy, K. P.; Brodskiy, A. M.; Belov, A. R.; Borisyuk, Ya. V.; Gryazev, V. M.; Tetyukov, V. D.; Popov, D. N.; Koryakin, Yu. I.; Filippov, A. G.; Petrochuk, K. V.; Khoroshavin, V. D.; Savinov, N. P.; Meshcheryakov, M. N.; Pushkarev, V. P.; Suroyegin, V. A.; Gavrilov, P. A.; Podlazov, L. N.; Rogozhkin, I. N.

TITLE: Atomic electric power installation "Arbus" with organic coolant and moderator

SOURCE: Atomnaya energiya, v. 17, no. 6, 1964, 439-448

TOPIC TAGS: small nuclear reactor, organic coolant, organic moderator, reactor economy, nuclear reactor

ABSTRACT: The paper is a summary of the SSSR # 307 report at the Third Inter-

Card 1/2

L 24212-65

ACCESSION NR: AP5001265

national Conference on Peaceful Uses of Atomic Energy, 1964. It describes an installation of a reactor in which organic liquid serves as the coolant, and as the moderator. The low-power reactors of about 5 Mw are expected to be economical in the remote regions where the usual energy sources are not available. A regeneration system is described for the coolant which removes the products of radiolysis. Orig. art. has: 7 figures

ASSOCIATION: None

SUBMITTED: 00 ENCL: 00 SUB CODE: NP

NR REF SOV: 000 OTHER: 000

Card 2/2

PETROCI, S.

CZECHOSLOVAKIA

TARABCAK, M; GUTEKOVA, A; PETROCI, J.

1. Kraj Hygiene-Epidemiological Station (Krajska hygienicko-epidemiologicka stanica), Kosice; 2. Children's Clinic of the Medical Faculty of P. J. Safarik University (Detska klinika Lek. fak. Univ. P. J. Safarik), Kosice (for all)

Bratislava, Bratislavske lekarske listy, No 8, 1963, pp 471-476

"The Occurrence of Adenoviruses in Excised Tonsils."

TARABCAK, M.; PETROCI, J.

Viruses in enlarged tonsils and adenoid vegetations. Cesk. epidem. 14 no.5:280-288 S '65.

1. Krajska hyg. epid. stanica, Kosice, Detska klinika Lekarskej fakulty Univerzity P.J. Safarika, Kosice.

TARABCAK, M.; GUTEKOVA, A.; PETROCI, J.

The presence of adenoviruses in excised tonsils. Bratisl. lek. listy 43 Pt. 1 no.8:471-477 '69.

1. Krajska hygienicko-epidemiologicka stanica v Kosiciach, riaditel MUDr. I. Kratochvil, a Detska klinika Lek. fak. Univ. P.J. Safarika v Kosiciach, veduci prof. MUDr. F. Demant.
(ADENOVIRUS) (TONSIL) (RHEUMATIC FEVER)
(PURPURA) (ASTHMA) (LYMPHADENITIS)

PETROCI, J.; TISCHLER, V.; JACINA, J.

Prevention of chronic otitis in hypotrophic infants. Cesk. otolar. 8 no.4:190-191 Aug 59.

1. Katedra starostlivosti o diefa LFUK v Kosiciach, veduci doc. dr. F. Demant.
(OTITIS MEDIA, in inf. & child) (INFANT NUTRITION DISORDERS, compl.)

PETROCI, J.; PAVKOVCEKOVA, O.

A rare course of infectious mononucleosis in children. Cesk. ped. 20 no.12:1068-1070 D '65.

1. Detska klinika Lekarskej fakulty University P.J. Safarika v Kosiciach (prednosta: prof. dr. F. Demant).

PETROCI, J.; VEREB, J.; TICHLER, V.; JACINA, J.

On the problem of reactivity of the organism in otitis media in infants. Cesk. otolaryng. 12 no.1:12-19 F '63.

1. Katedra starostlivosti o dieta LF UPJS v Kosiciach, veduci prof. dr. F. Demant.

(OTITIS MEDIA) (BLOOD PROTEINS) (BLOOD SEDIMENTATION) (LEUKOCYTE COUNT) (INFANT NUTRITION DISORDERS)

PETROCI, J.

Orbital complications in infants and small children. Bratisl.lek. listy 35 no.9:532-538 15 My 55.

1. Z Otolaryngologickej kliniky LFUK v Kosiciach, prednosta doc. MUDr. Michal Suster.
(EYE, diseases,
inflamm. orbital compl., diag. by rhinol. exam.)

PUTCOM, M.

"Six hours over Mount Harmas [illegible]." [illegible] Vol. 7, no. 1, Jan. 19[illegible], Budapest, Hungary.

SO: Monthly List of East European Accessions, LC, Vol. 3, No 4, April [illegible].

PETROCZI, I

PETROCZI, I. The spread of the Peronospora sunflower in Hungary. p. 354

Vol. 8, No. 8, August 1956
AGRARTUDOMANY
AGRICULTURE
Budapest

SO: EAST EUROPEAN ACCESSIONS, Vol. 6, No. 3, March 1957

PETROCZ, I.

(1)

Discoloration of red-pepper fruits during natural drying. Petroczi. (Növényvédelem, 1952, 1, 189—200).—The colour of red pepper during natural drying is affected by the attack of various fungi, e.g., Aspergillus spp., Fusarium, Alternaria tenuis, Botrytis cinerarea, Penicillium crustaceum, and Colletotrichum atramentarium. The infection, characterised by spots differing in colour and size, takes place through bruises caused during picking, transport, etc.

A. STOARYR.

RUDNAI, Guido, dr.; BENCZE, Jozsef; PETROCZY, Gyorgy

Statistical measuring instrument for recording histograms. Méres automat 12 no.8:250-256 '64.

1. Chair of Railroad Machines, Budapest Technical University.

PETROCZY, Gyorgy

It was highly instructive for me. Repules 17 no.3:14 Mr '64.

1. Valogatott keret tagja.

PETROCZY, Gyorgy

Statistical appraisal of barograms. Repules 16 no.2:14-15 F '63.

1. Repulo oktato.

PETROCZY, Gyorgy

My friend "Mokany." Repules 15 no.9:12 S '62.

PETROCZY, Gyorgy

An account of the 10th Polish Gliding Championship. Repules 18 no.2:8-9 F '65.

PETROF, B.

Free skin transplantation in extensive defects. Lek. listy, Brno 7 no. 15-16:403-404 1 Aug 1952. (CLML 22:4)

1. Stalin Prize Winner. Head-Surgeon of Moscov Sklofosovskiy Scientific-Research Institute of First Aid. 2. Article released by Soviet Information Agency in Prague.

Atanasoff (D.) & Petrovff (D.). Списъкъ на констатираните въ България растителни болести по растенията. [List of plant diseases recorded in Bulgaria.] 102 pp. Sofia. Държавна Печатница [Government Printing Office]. 1930.

In a brief preface the authors state that this list includes all plant diseases, whether due to bacteria, fungi, phanerogamic parasites, or undetermined causes, which, as far as they are aware, have been recorded in Bulgaria up to the end of 1928. The pathogens are arranged in the alphabetical order of their botanical names, with the names of their hosts, the localities where they were found and references to the papers in which they were recorded. They are also listed under the botanical names of the hosts, the Bulgarian popular equivalents of which are given. This valuable compilation terminates with a bibliography of 414 titles.

AM

RODIGHIN (M. N.) & PETROFF (P. A.). ВЯТ, ВЯЗ УВЯДАНИЕ ЛЮБИКА И ЛЮЦЕРНЫ. [Wilt of Sweet Clover and Lucerne.]—'25 years of Saratoff Agricultural Institute', Saratoff, pp. 176–185, 1939.

A wilt and root rot of white sweet clover (*Melilotus alba*) is responsible in part for the low yields of this crop in south-eastern Russia. The disease was observed near Saratoff, where it caused a stunting of the plants, which produced small, discoloured leaves, sometimes curled and mottled. Affected plants usually died within two years. Bacteria were found in the vascular bundles and adjacent tissues. From the diseased tissues was isolated a bacterium which is identified as *Bacterium radicipecula* [*R.A.M.*, xi, p. 652], the only divergence from the description of the type being the size of the rod (1·2 to 2 by 0·4 to 0·6 μ) and the apparent absence of flagella. It was capable of growing on most media except Cohn's and of decomposing starch; in bouillon growth was cloudy, with a white pellicle, later turning yellow, causing the formation of a precipitate. An unidentified species of *Fusarium* was a frequent secondary invader of wilted plants and is said to be responsible for an intensified decay of the root system.

Among the standard varieties of sweet clover from the Saratoff Selection Station tested in the field, 19 were resistant, while others ranged from medium to very susceptible. A wilt of lucerne observed in the same vicinity also yielded the same bacterium.

EXCERPTA MEDICA Sec 2 Vol 13/8 Pediatrics Aug. 59

2027. OTITIS MEDIA IN INFANTS WITH DYSPEPSIA - K otázke stredoušného zápalu u dojčiat s dyspepsiou - Petrôci J., Tischler V. and Jacina J. Detskej Klin. PLFUK, Košice - LEK.OBZ. 1958. 7/2 (86-92) Tables 1

From Sept. 1, 1955 to Dec. 31, 1955, 157 infants with dyspepsia and otitis media were observed, which is 4.9% of the total number of hospitalized infants. The occurrence of otitis media with dyspepsia was observed in 38.2% of cases. The 2 diseases did not appear to influence each other unfavourably, and complications were not more frequent in these cases. Decisive for the diagnosis of otitis media (and for the performance of paracentesis) were changes - sometimes very small - in the condition of the drum. In cases which were not quite clear, daily otoscopic examination was carried out, and the findings were evaluated, together with the general condition, in consultation with the pediatrician. If ear-drum findings were negative, no paracentesis was carried out, despite the continuation of the unsatisfactory general condition and the dyspepsia. In no case was antral puncture or trephining considered necessary. Chloramphenicol was the most effective antibiotic, especially in combination with sulphonamides. (XI, 7)

PETROF, B.D., prof.

Treatment of the history of medicine in the research institutes and medical colleges. Biul. Uch. med. sov. 2 no.3:17-20 My-Je '61. (MIRA 14:10)

(MEDICINE—HISTORY)

PETROF, I.R., prof.

Problems of oxygen insufficiency; some results and problems of research. Pat. fiziol. i eksp. terap. 8 no.1:3-9 Ja-F '64. (MIRA 18:2)

1. Deystvitel'nyy chlen AMN SSSR.

KOMKOVA, A.I.; PETROVA, V.G.; GORYUKHINA, O.A.

Phosphoproteins of structural elements of the nuclear fraction of a nervous tissue. Vest. IGU 20 no.9:74-49 '65. (MIRA 18:6)

PETROIANU, A.

Reduction of the construction costs of roads by planning. p. 3.

REVISTA TRANSPORTURILOR. (Asociatia Stiintifica a Inginerilor si Tehnicienilor din Rominia si Ministerul Transporturilor Rutiere, Navale si Aeriene) Bucuresti, Rumania. Vol. 6, no. 1, Jan. 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 7, July 1959

Uncl.

PETROIANU, A.

Comparison between the transfiguration method and the matrix method for the computation of electric looped networks. Energetica Rum 8 no.7:312-316 Jl '60.

PETROIANU, Alexandru

Determining power circulation in a looped network with the aid of matrix computation. Energetica Rum 8 no.8:366-374 Ag '60.

PETROIANU, Alexandru

Some numerical computation problems which appear when determining the working regime of looped networks with the help of electronic computers. Energetica Rum 10 no.9:389-395 S '62.

1. Seful serviciului tehnic la Unitatea productiva dispecer energetic din Bucuresti.

BONAPARTE,H., dr.; PETROIANU, P., dr.; FICA, V., dr.

Anatomoclinical considerations on a case of ruptured aneurysm of the common iliac artery. Med. intern. (Bucur.) 16 no.11: 1401-1403 N '64

1. Lucrare efectuata in Laboratorul de anatomie patologica al Spitalului "Dr. Cantacuzino".

ALEXANDRU, L.; PETROIANU, S.

Aspects of drying polyethyleneterephthalate granules. Rev chimie Min petr 13 no.11:675-678 N '62.

STEFAN, V.; BERSADSCHI, D.; PETROIANU, S.

Gas-liquid chromatography of the methyl isobutyl ketone-mesityl oxide-diacetone alcohol mixture. Rev chimie Min petr 15 no.2:111-112 F '64.

FREHDEN, O.; PETROIANU, Suzana

Analysis of di-and monoacetylsulfathiazole after the condensation phase and ammonolysis in manufacturing sulfathiazole. Rev chimie Min petr 15 no. 4:209-213 Ap '64.

BERSADSCHI, D.; STEFAN, V.; PETROIANU, S.

Chromatographic method for controlling the obtaining process of pure silicium for semiconductors. Rev chimie Min petr 15 no. 4: 224-225 Ap '64.

L 30768-66

ACC NR: AP6020255

SOURCE CODE: RU/0003/65/016/11-/0587/0590

AUTHOR: Frehden, O.; Petroianu, Susanna

ORG: none

TITLE: New method of manufacturing Karl Fischer reagent by means of molecular sieves

SOURCE: Revista de chimie, v. 16, no. 11-12, 1965, 587-590

TOPIC TAGS: methanol, pyridine, dehydration

ABSTRACT: After a discussion of the nature and operating principle of "molecular sieve" chemicals, the authors describe the use of such substances for the dehydration of the methanol and pyridine used in the preparation of Karl Fischer reagent. The method described allows the simple and rapid preparation of large quantities of the reagent starting with raw materials of technical grade. Orig. art. has: 1 figure and 3 tables. [JPRS]

SUB CODE: 07 / SUBM DATE: none / ORIG REF: 001 / OTH REF: 007

Card 1/1 JS

ACC NR: AP6029176 SOURCE CODE: RU/0003/66/017/002/0102/0102

AUTHOR: Stefan, V.; Bersadschi, D.; Petrolanu, S.

ORG: none

TITLE: Gas chromatographic determination of a mesityl oxide-ethyl alcohol mixture

SOURCE: Revista de chimie, v. 17, no. 2, 1966, 108

TOPIC TAGS: gas chromatography, ethyl alcohol

ABSTRACT: The authors report the separation of a mixture of mesityl oxide and ethyl alcohol by means of a column using dioctyl phthalate and phosphoric acid in a 4:1 ratio as stationary phase and Celite 545 as support material. Orig. art. has: 1 table. [JPRS: 36,556]

SUB CODE: 07 / SUBM DATE: none / ORIG REF: 002

Card 1/1 VS

PETROKANSKIY, B.I.; ZVEREV, N.P., retsenzent; MIZIN, V.I., retsenzent; PETROV, A.I., retsenzent; KRISHTAL', L.I., red.

[Statistical accounting and the work analysis of a railroad branch] Statisticheskii uchet i analiz raboty otdeleniia dorogi. Moskva, Izd-vo "Transport," 1964. 218 p.

(MIRA 17:5)

PETROKANSKIY, B.I., kand.tekhn.nauk, dotsent

Automation of car checking in yards and idle time of cars in stations. Sbor. trud. LIIZHT no.205:195-211 '63.

(MIRA 18:1)

PETROKAMSKIY, B. I., kand.tekhn.nauk

Formula for calculating the idle standing of local cars. Sbor. LIIZHT no.170:64-81 '60. (MIRA 13:8)
(Railroads--Cars)

PETROKANSKIY, B.I.

Theoretical principles of statistics of processes as applied to railroad statistics. Trudy LIIZHT no.171:5-187 '59. (MIRA 13:12)
(Railroads--Statistics)

PETROKANSKIY, B.I., doktor ekonom.nauk (Leningrad)

Some requirements concerning the automation of station operations. Zhel.dor.transp. 45 no.10:55-58 O '63. (MIRA 16:11)

PETROKANSKIY, Boris Ivanovich; LEBEDEV, Ye.P., red.; KHITROV, P.A., tekhn.red.

[Statistical accounting for railroad stations] Statisticheskii uchet na stantsii. Moskva, Gos.transp.zhel-dor.izd-vo, 1959. 106 p. (MIRA 12:12)

(Railroads--Accounts, bookkeeping, etc.)

PETROKANSKIY, B.I., kand.tekhn.nauk

Average idle time spent by freight cars in railroad yards.
Trudy MTBI no.10:75-93 '58. (MIRA 12:2)
(Railroads--Statistics) (Railroads--Freight cars)

PETROKANSKII, BORIS IVANOVICH.

Operativno-statisticheskii uchet na stantsii. (Operational and statistical accounting in railroad stations). Moskva, Gos. transp. zhel-dor. izd-vo, 1947. 135 p/ forms. DLC: TF662.P45

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress, Reference Department, Washington, 1952, Unclassified.

PETROKANSKIY, B. I.
USSR/Railways - General Bibliography 4602.0100 Dec 1947

"Book Shelf" 1 p

"Zh-d Transport" No 12

Summaries and information on number of pages and price given for following books published by Transzheldorizdat in 1947: "Soviet Railroad Transport 1917 - 1947," by I. V. Kovalyev; "Transportation of Easily Perishable Freight," by S. F. Natalasov and V. P. Potapov; "Locomotives Ea and Em," by N. G. Luginin; "Operational-statistical Accounting at a Station," by B. I. Petrokanskiy and O. V. Myasnikova; "New Technology in Installing Communications and Light Signals (STsB)"; "Steel Concrete Which Has Been Previously under Tension," by A. P. Korovkin.

LC

13G54

PETROKAS, DOCENT L. V.

PA32/49T51

USSR/Engineering
Cams
Regulators

Sep/Oct 48

"Analytic Calculation of Cam Gears in Automatic Machines," Docent L. V. Petrokas, Cand Tech Sci, 6 pp

"Vest Inzhener i Tekhnik" No 5

Graphic methods are not accurate enough to design cams for precision automatic machines. Explains analytic methods of synthesizing various cam mechanisms. Includes ten diagrams, and sketch of control

32/49T51

USSR/Engineering (Contd)

Sep/Oct 48

shaft of polygraphic machine produced by "Linotip" factory, Leningrad.

32/49T51

PETROKAS, L. V.

23843 VOSSTANOVLENIYE I REMONT KULACHKOV (EKSTSENTRIKOV) POLIGRAFICHESKIKH MASHIN. POLIGR. PROIZVODSTVO, 1949, NO. 4, S. 28-30

SO: LETOPIS' NO. 31, 1949

PETROVA, L. V.

Dissertation: "Fundamentals of the Theory and Design of Line Type-setting-Casting Machines." Dr Tech Sci, Inst of Machine Science, Acad Sci USSR, 19 May 54. Vechernyaya Moskva, Moscow, 10 May 54.

SO: SGM 284, 26 Nov 1954

PETROKAS, L.V., dotsent, doktor tekhnicheskikh nauk.

Determining the coefficients of friction in linotype matrices. Nauch.trudy MZPI no.2:151-157 '55. (MLRA 9:3)
(Linotype)

PETROKAS, I.V., dotsent, doktor tekhnicheskikh nauk.

Designing cam and rocker arm gears for printing presses. Nauch. trudy MZPI no.2:159-172 '55. (MLRA 9:3)
(Printing press)

Petrokas, L.V.

PETROKAS, L.V.

Using electric strain gauges in determining design parameters for casting boxes of typesetting machines. Trudy Inst. mash. Sem. po teor. mash. 17 no.66:5-16 '57. (MIRA 11:1)

(Typesetting machines)

PETROKAS, L. V.

(Lennid Venediktovich)

"Principles of the Theory and Calculation of Linotype Machines," (Dissertation), Academic degree of Doctor in Technical Sciences, based on his defense, 19 May 1954, in the Council of the Inst of Machine Science, Acad Sci USSR.

Moscow Inst of Chemical Machine Building.

,[redacted]

[redacted]M- 3,054,778, 2 Oct 57

124-58-6-6356

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 6, p 10 (USSR)

AUTHOR: Petrokas, L. V.

TITLE: Aspects of the Theory of Plane Friction Cam Mechanisms (Nekotoryye voprosy teorii ploskikh friktsionnokulachkovykh mekhanizmov)

PERIODICAL: Tr. Mosk. in-ta khim. mashinostr., 1957, Vol 11, pp 149-172

ABSTRACT: A study is made of one of the types of plane friction cam mechanism used in automatic machinery. A friction roller drives a cam which is hinged on a rocker arm. One end of the rocker arm raises a rod which is subjected to a varying load. When the rod reaches a stop, the other end of the rocker arm starts to rise, and this causes a compression force to be exerted on a spring which serves to maintain the incomplete hinge of the rocker arm in operational contact. In the kinematic analysis of the mechanism it is assumed that the driving roller has a constant speed and that the cam rolls over the roller without sliding. A determination is made of that value of the coupling coefficient of the higher pair which is necessary to assure pure rolling. It is pointed out that at the start of the cycle, and during return of

Card 1/2

124-58-6-6356

Aspects of the Theory of Plane Friction Cam Mechanisms (cont.)

the links to their starting position, the cam can become separated from the roller. The relative slip of the elements of a friction-cam couple is investigated experimentally.

1. Cams--Performance 2. Mechanics--Theory
3. Friction--Applications

M. Ya. Kushul'

Card 2/2

Vsesoyuznoye soveshchaniye po osnovnym problemam teorii mashin i mekhanizmov. 2d, Moscow, 1958

Dinamika mashin; sbornik statey (Dynamics of Machines; Collection of Articles) Moscow, Mashgiz, 1960. 240 p. (Its: Trudy) Errata slip inserted. 3,000 copies printed.

Sponsoring Agency: Institut mashinovedeniya Akademii nauk SSSR.

Editorial Board: I. I. Artobolevskiy (Resp. Ed.) Academician, S. I. Artobolevskiy, Doctor of Technical Sciences, Professor, G. G. Baranov, Doctor of Technical Sciences, Professor, A. P. Bessonov, Candidate of Technical Sciences, V. A. Gavrilenko, Doctor of Technical Sciences, Professor, A. Ye. Kobrinskiy, Doctor of Technical Sciences, N. I. Levitskiy, Doctor of Technical Sciences, Professor, and L. N. Reshetov, Doctor of Technical Sciences, Professor;

Ed.: L. V. Bezmenova, Candidate of Technical Sciences; Managing Ed. for General Technical Literature and Literature on Transport Machine Building (Mashgiz); A. P. Kozlov, Engineer; Tech. Ed.: B. I. Model'.

PURPOSE: This collection of articles is intended for engineers, designers, workers at scientific research institutes, and instructors at schools of higher technical education.

COVERAGE: This collection consists of reports presented at the All-Union Conference on Problems in the Theory of Machines and Mechanisms held in Moscow in 1958. The reports discuss several problems of the dynamic design of complex mechanical systems. No personalities are mentioned. References accompany most of the articles.

AVAILABLE: Library of Congress (TJ181.V8 1958)

Card 6/6

AC/rem/ec
1-3-61

Petrokas L. V.

YUDIN, Vladimir Andreyevich, prof.; PETROKAS, Leonid Venediktovich, prof.; RABINOVICH, Ye.Z., red.; GAVRILOV, S.S., tekhn.red.

[Laboratory practical manual on the theory of mechanisms and machinery] Laboratornyi praktikum po teorii mekhanizmov i mashin. Moskva, Gos.izd-vo fiziko-matem.lit-ry, 1960. 170 p. (MIRA 14:4)

(Mechanical engineering--Study and teaching)
(Engineering laboratories)

PETROKAS, L.V.

Recent objectives of the theory of automatic machinery. Teor. mash. i mekh. no.101/102: 93-101 '64.

(MIRA 17:11)

PETROKAS, L. W.

L. W. Petrokas, "On the Calculation of Some Kinds of Cam Mechanisms with Hydraulic and Elastic Elements."

paper presented at the 2nd All-Union Conf. on Fundamental Problems in the Theory of Machines and Mechanisms, Moscow, USSR, 24-28 March 1958.

PETROKAS, I.V.; KOL'MAN-IVANOV, E.E.; KOROVKIN, V.A.

Experimental development of the system of an automatic mechanical press for the manufacture of plastic goods. Trudy MIKHM 24:40-57 '62. (MIRA 18:3)

PETROKAS, L.V.

Complex automation of the manufacture of plastics. Trudy MIKHM 1783-9 '64. (MIRA 18:8)

(MIRA 13:8)

VLADZIYEVSKIY, A.P.; [illegible], [illegible]; [illegible]ROKAS, [illegible].

Overall mechanization and automation and problems in the theory of the design of automatic machines and lines. Teor. mash. i mekh. no.107/108:60-68 '65. (MIRA 18:7

PETROKAS, L.V.

Synthesis of five-bar linkage mechanisms. Trudy MIKHM 24:121-130 '62. (MIRA 18:3)

L 25277-65 EWT(d)/EWT(m)/EWP(c)/EWA(d)/EWP(v)/EWP(j)/T/EWP(k)/EWP(h)/EWP(1)
Pc-4/Pf-4 RM
ACCESSION NR: AT5000535 S/3078/64/027/000/0003/0009

AUTHOR: Petrokas, L. V.

TITLE: The complex automation of the manufacture of plastic products 15

SOURCE: Moscow. Institut khimicheskogo mashinostroyeniya. Trudy, v. 27, 1964. Mashiny dlya pererabotki polimernykh materialov (Machinery for the processing of polymeric materials), 3-9

TOPIC TAGS: automation, plastic working, machine part manufacture, automatic dressing, automatic milling, automatic pressing, automatic die casting, electroplating

ABSTRACT: Extending into a virtually untapped field of automation, the author considers 4 types of automatic systems: systems of point contact, e.g. dressing a piece by a simple blade; systems of linear interaction, e.g. dressing a piece by a section-shaped blade, milling, etc.; systems of surface interaction, e.g. pressing in a die or casting under pressure; and systems of spatial interaction, e.g. electrolytic or chemical coating of an object. The program in machines of the first class is transport, that in the second class is combined operational and transportational motion, and that in the third and fourth classes is the technological process itself. In 1961-2, experiments were run by the NIIP to automate the system for production of socket covers for electrical outlets,

Card 1/2

L 25277-65
ACCESSION NR: AT5000535

considering both working and transport parts. Previously, the authors had derived the theoretical productivity π_T of the system to be $\pi_T = \frac{W}{\alpha} = \frac{U}{T_k}$ where W = angular velocity, α = angle of circular wheel subtended by two adjacent working chambers, U = number of working chambers, and T_k = duration of the kinematic cycle. The results, as "presented in the following article", demonstrate this system to be effective as a possible basis for expanded work. Orig. art. has: 5 formulas and 3 figures.

ASSOCIATION: Institut khimicheskogo mashinostroyeniya, Moscow (Chemical machine building institute)

SUBMITTED: 00 ENCL: 00 SUB CODE: IE

NO REF SOV: 006 OTHER: 000

Card 2/2

ARTOBOLEVSKIY, I.I., akademik, doktor tekhn. nauk, red.; LEVITSKIY, N.I., doktor tekhn. nauk, prof., red.; KOZHEVNIKOV, S.N., red.; KOBRINSKIY, A.Ye., doktor tekhn. nauk, red.; PETROKAS, L.V., doktor tekhn. nauk, prof., red.; GAVRILENKO, V.A., doktor tekhn. nauk, prof., red.; BESSONOV, A.I., kand. tekhn. nauk, red.; SHEKHVITS, E.I., kand. tekhn. nauk, red.

[Theory of automatic machines and of hydraulic and pneumatic drives] Teoriia mashin-avtomatov i gidro-pnevmoprivoda; sbornik statei. Moskva, Mashgiz, 1963. 327 p. (Its: Trudy) (MIRA 17:10)

1. Soveshchaniye po osnovnym problemam teorii mashin i mekhanizmov. 3d, Moscow, 1961. 2. Chlen-korrespondent AN UkrSSR (for Kozhevnikov).

VLADZIYEVSKY, A.P.; KAPUSTIN, I.I.; PETROKAS, L.V. (Moscow)

"Complex mechanisation and automation and the design of automatic machines"

report presented at the 2nd All-Union Congress on Theoretical and Applied Machanics, Moscow, 29 January - 5 February 1964

ARTOBOLEVSKIY, I.I., akademik, red.; LEVITSKIY, N.I., doktor tekhn. nauk, prof., red.; KOZHEVNIKOV, S.N., red.; KOBRINSKIY, A.Ye., doktor tekhn. nauk, red.; PETROKAS, L.V., doktor tekhn. nauk, red.; GAVRILENKO, V.A., ~~doktor tekhn.~~ nauk, red.; BESSONOV, A.P., kand. tekhn. nauk, red.; GRODZENSKAYA, L.S. kand. tekhn. nauk, red.; MERENSKAYA, I.Ya., red.izd-va; UVAROVA, A.F., tekhn. red.

[Analysis and synthesis of mechanisms] Analiz i sintez mekhanizmov; sbornik statei. Moskva, Mashgiz, 1963. 234 p. (MIRA 16:9)

1. Soveshchaniye po osnovnym problemam teorii mashin i mekhanizmov. 3d, Moscow, 1961. 2. Chlen-korrespondent AN Ukr.SSR (for Kozhevnikov).

(Mechanisms)

SHORIN, S.N., doktor tekhn. nauk, prof., red.; SHCHEPKIN, S.I., zasl. deyatel' nauki i tekhniki, prof., otv. red.; LASTOVTSEV, A.M., prof. red.; KARAVAYEV, N.M., prof., red.; KOKOREV, D.T., prof., red.; PETROKAS, L.V., prof., red.; RESHCHIKOV, P.M., dots., red.; SOKOLOV, S.N., prof., red.; SOKOLOV, S.I., prof., red.; KHODZHAYEV, A.M., dots., red.; LEBEDEV, K.I., kand. tekhn. nauk, dots. red.; TAIROVA, A.L., red. izd-va; UVAROVA, A.F., tekhn. red.

[Investigation and calculation of heat engineering and power generating processes] Issledovaniia i raschety teploenergeticheskikh i energo-khimicheskikh protsessov; sbornik statei. Pod red. S.N.Shorina. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1961. 137 p. (MIRA 14:10)

1. Moscow. Institut khimicheskogo mashinostroyeniya.
(Heat engineering) (Power engineering)