

ETRI, V.E., doktor sel'skokhozyayastvennykh nauk; ANAN'IN, P.I., inzh.

Effect of high-temperature drying on the properties of the wood.  
Der.prom. 9 no.4:12-13 Ap '60. (MIRA 13:9)

1. Ural'skiy lesotekhnicheskiy institut.  
(Lumber--Drying)

*PETRI, V. N.*

LUKOYANOV, I.D., inzh.; ~~PETRI, V.N.~~ doktor sel'skokhozyaystvennykh nauk prof.; ~~HERSENEV, A.P.~~, inzh.; ALEKSEYEVA, A.V., inzh.; MOROZOVA, M.I., inzh.

Experience in plant manufacture of sheet parquetry made of "improved" birch. Stroi.prom. 35 no.9:38-40 S '57. (MIRA 10:10)

1.Sverdlevskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta po pererabotke slantsev, trest Tagilstroy.  
(Parquetry)



V. M. PETER

component to a fangstatic component, I, II, and III were  
 0.25, and -- for Pb(OAc)<sub>2</sub>; 0.22, 1.21, and 7.9 for  
 Pb(NO<sub>3</sub>)<sub>2</sub>; and 0.42, 7.75, and 1.2 for a Pb(NO<sub>3</sub>)<sub>2</sub> (approx.  
 3 parts) (NH<sub>4</sub>)<sub>2</sub>SO<sub>4</sub> (1 part) mixt. I, II and III for a series  
 of NaF-Na<sub>2</sub>SiF<sub>6</sub> mixts (wt. ratios of NaF to Na<sub>2</sub>SiF<sub>6</sub>  
 given were: 4:1, 0.75, 0.18 and 4:17; 3:1, 0.77, 0.31,  
 and 2.49; 2:1, 0.78, 0.35, and 3:31; 1:1, 0.84, 0.47, and  
 1.78; 1:2, 0.82, 0.35, and 2:33; 1:3, 0.84, 0.34, and 2:50;  
 1:4, 0.85, 0.09, and 0.56; 1:5, 0.87, 0.23, and 3:95; 1:6,  
 0.87, 0.45, and 1.59; 1:7, 0.58, 0.72, and 1.23; and 1:8,  
 0.58, 0.89, and 1.10. For a const. concn. of Na<sub>2</sub>SiF<sub>6</sub> and  
 a NaF:Na<sub>2</sub>SiF<sub>6</sub> ratio of 4:1, 1:4, and 1:8, pure Na<sub>2</sub>SiF<sub>6</sub>  
 and pure NaF, the percentage concn. of Na<sub>2</sub>SiF<sub>6</sub> before and  
 after the reaction was 0.191 and 0.0149; 0.0205 and 0.0717;  
 0.0201 and 0.0108, 0.0202 and 0.0113, and 0 and 0, and the  
 percentage of NaF was 0.0702 and 0.0182, 0.0550 and  
 0.0030, 0.0020 and 0.0013, 0 and 0, and 0.0105 and 0.0885.  
 For a const. NaF concn. and a ratio of NaF:Na<sub>2</sub>SiF<sub>6</sub> of  
 4:1, 1:4, and 1:8, the concn. of Na<sub>2</sub>SiF<sub>6</sub> before and after  
 the reaction was 0.0048 and 0.0039, 0.0789 and 0.0157,  
 and 0.1581 and 0.0317, and the concn. of NaF before and  
 after the reaction was 0.0222 and 0.0019, 0.0193 and  
 0.0151, and 0.0197 and 0.0004. The theoretical back-  
 ground of the work is discussed. John Luke Keay.

PETRI, V. N.

"Certain Methods for Improving the Antiseptic Characteristics of Fungicides." Sub 14 Feb 51, Inst of Forestry, Acad Sci USSR.

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55

PETRI, V.N., doktor sel'skokhozyaystvennykh nauk; ALEKSEYEVA, A.V., inzhener.  
BERSHNEV, A.P., inzhener; MOROZOVA, M.I., inzhener; LUKOYANOV, I.D.

Strip parquetry with birchwood facing. Der.prom. 6 no.6:6-7  
Je '57. (MLRA 10:8)

(Parquetry)

PETRI, V.N.

Novye puti povysheniia aktivnosti antiseptikov (New ways of increasing the activity of antiseptics) . Sverdlovsk, Sverdlovskoe kn. izd-vo, 1953. 136 p.

SO: Monthly List of Russian Accessions, Vol. 7, No. 5, August 1954

1. PETRI, V. N.
2. USSR, (600)
4. Medicine
7. Healing substances in organisms. Sverdiovsk, Sverdiz, 1951.

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

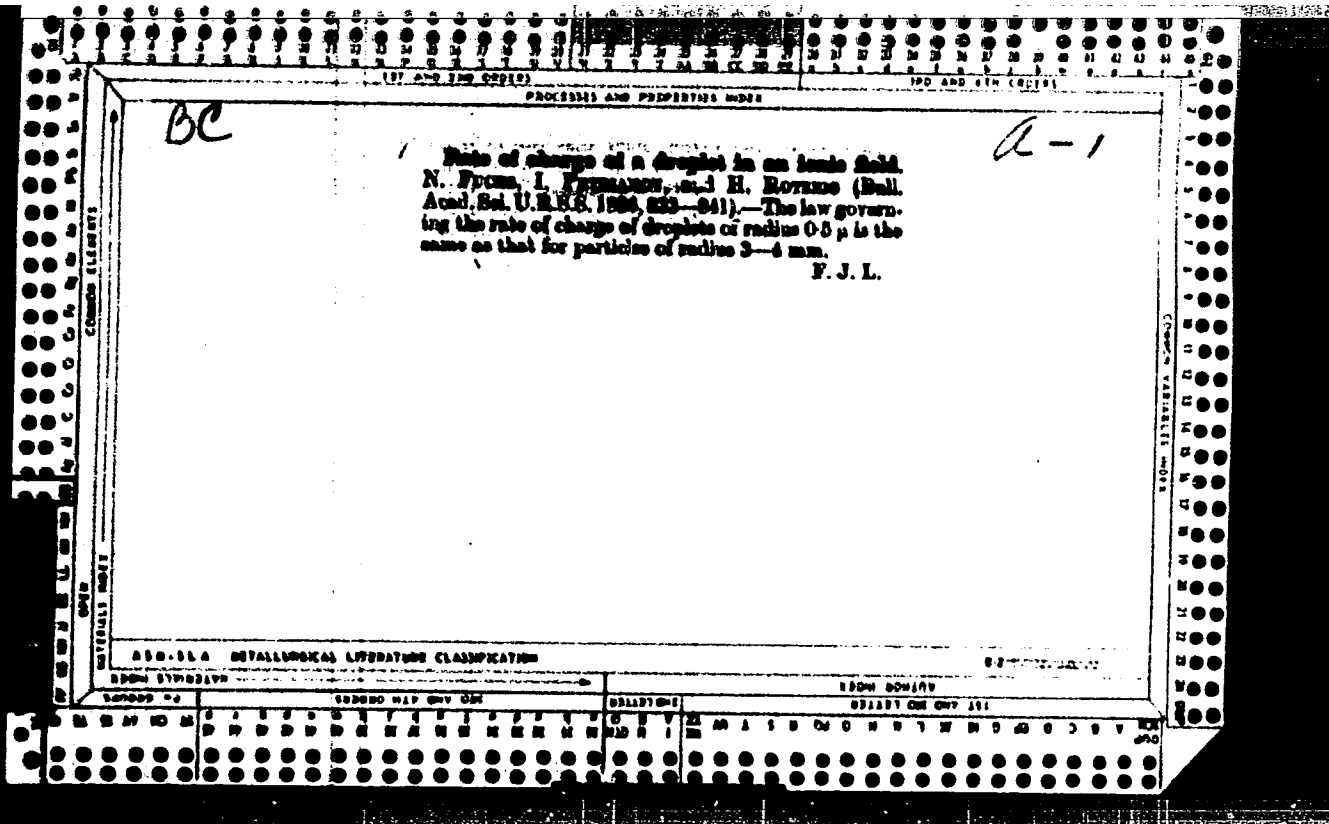


BERESENEV, Al'vian Pavlovich, kand. tekhn. nauk, st. nauchn.  
sotr.; PETRI, Viktor Nikolayevich, doktor sel'khoz. nauk;  
BAKHUTOVA, V., red.; MAKSIMOVA, E., tekhn. red.

[Improvement of wood] Oblagorazhivanie drevesiny. Sverd-  
lovsk, Sverdlovskoe knizhnoe izd-vo, 1960. 168 p.  
(MIRA 17:4)

ANAN'IN, Petr Ivanovich, kand. tekhn.nauk; ~~PETRI, Viktor Nikolayevich~~,  
doktor sel'khoz. nauk, prof.; POLOMIN, A.I., red.; LEEDEVA,  
I.D., red. izd-va; BACHURINA, A.M., tekhn. red.

[High-temperature drying of wood] Vysokotemperaturnaya sushka  
drevesiny. Moskva, Goslesbumizdat, 1963. 124 p. (MIRA 16:6)  
(Lumber--Drying)



PETRIANOV, I. V.

U S S R .

JOURNAL ARTICLE TRANSLATION

Transl. No.  
& Country

Translations Issued By S. M. R. E.,  
Ministry of Fuel and Power

Author

3783  
GT/1190  
U.S.S.R.

Tribo-Electric Dust Charges  
Zh. tekhn. Fiz., 10(20), 1723-1726, 1939

N. N. Toonitsky  
M. V. Tikhomirov  
I. V. Petrianov

Source: Index Aeronauticus, Vol. 11, No. 6, p 133, June 1955

*Effect of surface-active substances on formation and coagulation of aerosols.* I. V. Patrianov, M. V. Tichonov, and N. N. Tunitski  
(*J. Phys. Chem. Russ. Ed.*, 1951, 10, 811) - The stability of  $Fe_2O_3$  aerosols is unaffected by the presence of PhOH in the atm. - R. 1

PETRIANOV, I. V.

TUNITSKIY, N. N. and PETRIANOV, I. V.

"On the Theory of Aerosol Filtration," Zhur Fiz Khim USSR, Vol 17, nos. 5-6,  
pp 408-413, 1943

<sup>T</sup>ranslation - DSIS, DRB, T 108 R

PETRIANOV, I. and ROZENBLYUM, N.

On the Contact-Angles of Small Droplets.  
Dok. Akad. Nauk., 61, (1948), 4, 661-4.

SO: Translation-252467 30 Apr 1954.

ZVENITSKAYA, R.B.; PETRIASHVILI, B.V.

Prospects for the use in foundry practice of quartz sands from  
the Sachkhere deposit. Trudy Inst. met. AN Gruz. SSR vol. 13:117-  
129 '62. (MIRA 17:9)



ZVENITSKAYA, R.B.; PETRIASHVILI, B.V.

Studying the properties of foundry sands from the Surami deposit.  
Trudy Inst.met. AN Gruz. SSR 12:153-158 '62. (MIRA 15:12)  
(Surami Range--Sand, Foundry)

FETRIASHVILI, B.V.; GOGUA, N.A.

Casting automobile engine camshafts in sand chills. Trudy Inst.  
not. AN Grus. SSR 12:145-151 '62. (MIRA 15:12)  
(Founding) (Automobiles--Transmission devices)

TAVADZE, P.N.; PETRIASHVILI, B.V.; LANGHAVA, M.D.

Superheating of cupola cast iron. Tekhnika Bulg 11 no.4:147-149 '62.

TAVADZE, F.N.; PETRIASHVILI, B.V.; LANCHAVA, M.D.

Overheating of cupola iron. Lit.proizv. no.3:10-12 № 162.  
(Cupola furnaces) (Electric heating) (MIRA 15:3)

S/137/61/000/011/085/123  
A060/A101

AUTHOR: Petriashvili, B, V.

TITLE: Physico-chemical principles of magnesium-modification of cast iron

PERIODICAL: Referativnyy zhurnal. Metallurgiya. no. 11, 1961. 1, abstract 1113  
("Sakartvelos politekhnikuri instituti. Shromebi, Tr. Gruz. politekhn. in-t", 1959, no. 3 (64), 47 - 53 (Gruzin summary))

TEXT: The high tension of Mg vapors during modification is connected with considerable useless wastes of Mg and with the ejection of metal from the ladle. The excess pressure of Mg vapors favors the transformation of the melt into a powdered state, and ensures the best contact between the gas and the cast iron, and thus demonstrates a useful effect upon the rate of the chemical reaction. The duration of modifying the cast iron depends upon the quantity of Mg fed into the ladle per unit time. Under one-shot charging of the entire portion of the modifier into the molten crude iron, the operation is ended when the equilibrium  $P_{\text{gas}} = P_{\text{atm}}$  is reached, corresponding to its residual content in the cast iron of 0.04 - 0.08%. All the reactions connected with modifying molten crude iron by Mg are practically irreversible. This causes the high speed of the modification

Card 1/2

Physico-chemical principles of...

S/137/61/000/011/085/123  
A060/A101

process. In the formulas of Girshovich, N. G., Stepin, P. I., Kletskin, K. I., for determining the required quantity of Mg for modifying, the expenditure of Mg for binding other elements and impurities dissolved in the molten crude iron (O, N, CO<sub>2</sub>, CO, P) is not taken into account. It was calculated that the Mg expenditure upon the elimination of the elements and impurities in the crude iron is equal to 0.13 kg. When it is required to have a final Mg content in the metal of 0.05% and at 100% assimilation, the total Mg expenditure cannot be lower than  $0.13 + 0.05 = 0.18\%$  of the weight of the molten crude iron. The information in literature as to magnesium assimilation of 5 - 10% under modification in open ladles does not correspond to reality, since the quantity of the added Mg rarely exceeds 1% of the weight of the molten metal, and assimilation always exceeds 20%. ✓

A. Savel'yeva

[Abstracter's note: Complete translation]

Card 2/2

PETRIASHVILI, B. V.

Petriashvili, B. V.

"The removal of sulfur from cast iron in the process of melting in a cupola furnace." Min Higher Education USSR. Georgian Order of Labor Red Banner Polytechnic Inst imeni S. M. Kirov. Tbilisi, 1956. (Dissertation for the Degree of Candidate in Technical Sciences).

Knizhnaya letopis'  
No. 21, 1956. Moscow.

TAVADZE, F.N.; PETRIASHVILI, B.V.; LANCHAVA, M.D.

Pinch effect phenomenon in direct action electric resistance furnaces.  
Trudy Inst. met. AN Gruz. SSR 13:65-69 '62. (MIRA 17:9)



PETRIASHVILI, D. B.

27311 PETRIASHVILI, D. B. - K Voprosu Izucheniya Deystviya Avtomobil'nogo Dvigateleya Kak Tormoza, Trudy (Gruz. Politekhn. In-T Im. Kirova), No 18, 1949, S. 61-71.--  
Na Gruz. Yus.--Rezyume Na Rus. Yaz.  
5. Vodnyy Transport. Avariyno-Spasatel'noe Delo. Vodolaznoe Delo

SO: Letopis' Zhurnal'nykh Statey, Vol.36, 1949

PETRIASHVILI, G.B.

Investigating the secretory function of the stomach. Soob. AN  
Gruz. SSR 27 no.3:333-339 S '61. (MIRA 15:3)

1. Tbilisskiy gosudarstvennyy meditsinskiy institut. Predstavleno  
chlenom-korrespondentom AN GruzSSR D.M.Gedevanishvili.  
(STOMACH--SECRETIONS)

KERESELIDZE, Akakiy Yermolayevich, kand.tekhn.nauk, dotsent; TODADZE, Shokta Aleksandrovich, inzh.; DZHASHI, Dzhumber Romanovich, inzh.; PETRIASHVILI, Georgiy Gavrilovich, inzh.

Operation of a three-phase asynchronous motor fed by a two-phase voltage system. Izv.vys.ucheb.zav.; elektromekh. 5 no.4:378-381 '62. (MIRA 15:5)

1. Rukovoditel' otдела elektricheskikh mashin Tbilisskogo nauchno-issledovatel'skogo elektrotekhnicheskogo instituta (for Kereselidze).
2. Tbilisskiy nauchno-issledovatel'skiy elektrotekhnicheskii institut (for Todadze, Dzhashi, Petriashvili).  
(Electric motors, Induction)

PETRIASHVILI, K.F., inzh.

Optimum load distribution between the stations of a system with  
astatic frequency regulation. Izv.vys.ucheb.zav.; energ. 4  
no.9:1-4 S '61. (MIRA 14:10)

1. Gruzinskiy politekhnicheskiy institut imeni V.I.Lenina.  
Predstavlena kafedroy tsentral'nykh energeticheskikh sistem.  
(Electric power distribution)

AGLADZE, R.I., akademik; PETRIASHVILI, L.D.

Electrochemical oxidation of potassium manganate to permanganate by means of soluble ferromanganese anodes. Soob. AN Gruz. SSR 39 no.1:93-100 JI '65. (MIRA 18:10)

1. Akademiya nauk Gruzinskoy SSR (for Agladze).

PETRIASHVILI, N.B.

---

Effect of mechanical stimulation of the duodenal mucosa on the composition of the peripheral blood and bone marrow. Soob. AN Gruz. SSR 29 no.1:107-114 J1 '62. (MIRA 18:5)

1. Tbilisskiy gosudarstvennyy meditsinskiy institut. Submitted March 24, 1961.

PETRIASHVILI, N.V.

Electrophoretic examination of the total blood protein and  
protein fractions. Trudy inst. eksp. i klin. khir. i gemat.  
AN Gruz. SSR 114205-211 '68. (MIRA 17:8)

PETRIASHVILI, N.V.

Effect of medication sleep on bile secretion and the quantity of  
bilirubin. Trudy Inst.eksp.i klin.khir.i gemat. AN Gruz.SSR 10:  
289-297 '62. (MIRA 16:2)  
(SLEEP) (BILE) (BILIRUBIN)



PETRIASHVILI, O.

Physicogeographical (landform) features of the Dzama, Tana and  
Tezami River basins. Trudy Tbil.GU 72:207-227 '59. (MIRA 15:5)  
(Kura Valley—Physical geography)

PETRIASHVILI, O.

Hydrography of the Dzama, Tana and Tedzami Basins. Trudy Tbil. GU  
90:121-134 '63. (MIRA 17:4)

PETRIASHVILI, V.I.

Ionic-sonic oscillations generated by electron current.  
Dokl. AN SSSR 153 no.6:1295-1298 D '63. (MIRA 17:1)

1. Predstavleno akademikom M.A. Leontovichem.

PETRIKOV, B. S.

Lekarstvennye rasteniia Zabaikal'ia [Medicinal plants of Transbaikalia] S. 112, 1954. No. 1.

CC: Monthly List of Russian Accessions, Vol. 6 No 10 January 1954

PETRIAYEV, Ye. D.

"Tick Fever in the Transbaikal. Med. Parazitologiya (USSR) 15 (1946), 2, 84-85.

SO: Translation-2524467, 30 Apr 1954.

PETRIAYEV, Ye. D.

Tick Fever in the Transbaikal.

Med. Parazitologiya (USSR) 15 (1946) 2, 84-85

PETRIAYEVA, D. I.

PETRIAYEVA, A. T., MOLOTKOV, V. G., IUDENICH, V. A.

Modifications of the myocardium in experimental tuberculosis.  
Pediatria, Moskva No. 4, July-Aug. 50. p. 40-9

1. Of the Department of Children's Diseases and Pathological  
Anatomy, Smolensk Medical Institute (Director—V. A. Batanov) and  
of the Institute of Microbiology (Director—S. G. Khanin), Smolensk.

GLML 19, 5, Nov., 1950

FEDRIC, E.

The KT-21 high-frequency telephone system. n. 1. (Leningrad, no. 2, no. 2, Apr. 1953, Leningrad, Yugoslavia)

SO: Monthly list of European accessions, (Leningrad), n. 1, no. 1, Jan. 1955, Incl.



PETRICAN, M.; ILIESCU, V.

Possibilities of small mechanization in the finished-wood products industry by means of compressed air.

p. 259 (Industria Lemnului) Vol. 6, No. 7, July 1957, Bucuresti, Rumania

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

PETRIČEK, Janko

Chemical Abstracts  
Vol. 48 No. 5  
Mar. 10, 1954  
Biological Chemistry

The antibacterial function of humulone and lupulone.  
Janko Petriček. *Kem. Zbornik* 1951, 118-27.—The phys. and chem. properties of humulone ( $C_{21}H_{30}O_6$ ) and lupulone ( $C_{21}H_{30}O_6$ ) are discussed. The effect of these two antibiotics on bacteria has been studied. They are very effective against many bacteria.  
J. Rovtar Leach

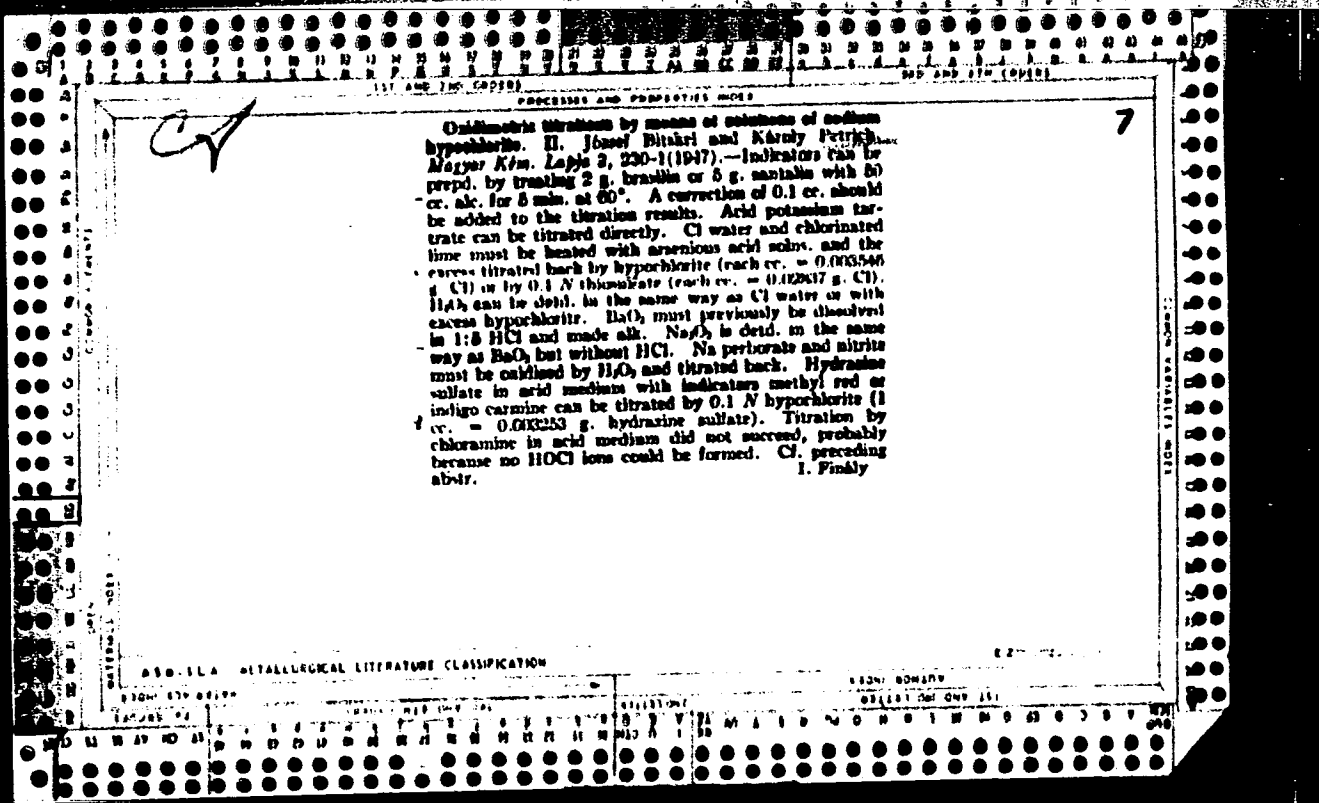
PETRICEVIC F.

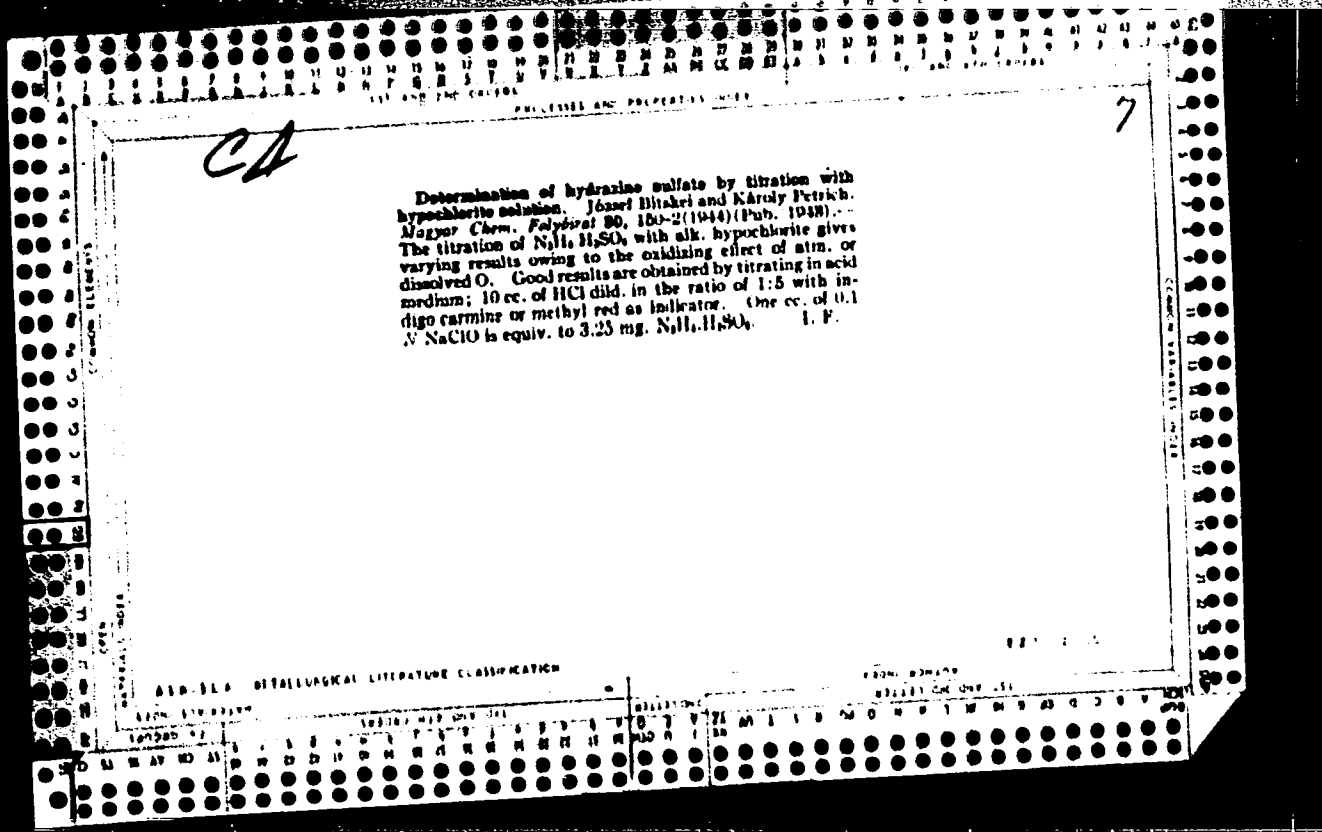
Yugoslavia (430)

Science

Apollonius' problem solved by stereographic projection. p. 92, Glasnik Matematičko-Fizički I Astronomski, Seria 2, Vol 7, No 2, 1952.

East European Accessions List. Library of Congress Vol 2, nos. 1 & 2 Jan - Feb 1953  
UNCLASSIFIED.





PETRIC, Aleksandar.

Means of plant protection; their use and preservation and plant care in cases of injury  
Novi Sad, Bratstvo-Jedinstvo, 1950. 38 p.

4 SB - 215

PETRIC, I.

PETRIC, I. British timber market in 1953,

Vol. 5, No. 1/2, Jan. / Feb. 1954 DRVNA INDUSTRIJA

SO: Monthly List of East European Accessions, (EEAL), 10, Vol. 5, No. 3  
March, 1950

PETRIC, Ivo

YUGOSLAVIA/Chemical Technology. Chemical Products and  
Their Application. Part 2. - Fertilizers.

H

Abs Jour: Ref. Zhurnal Khimiya, No 21, 1958, 71389.

Author : Ivo Petric.

Inst :

Title : Calcium Cyanamide - World's and Yugoslav Production  
and Consumption.

Orig Pub: Tehnika, 1958, 13, No 4, Hem. ind., 12, No 4, 61-64.

Abstract: The history of the  $\text{CaCN}_2$  production development and  
statistical data (in comparison with other N con-  
taining fertilizers) are presented.

Card : 1/1

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PETRIC, Ivo, dr.

The "Keminis," a prominent association in the production and processing  
of plastics in our country. Kemijska u industriji 11 no.3:117-118 '62



COUNTRY : Yugoslavia  
CATEGORY :

ABB. JOUR. : *Radikal*, 6. 28. 1959, No. 7115

AUTHOR : *Veljko, I.*  
TITLE : The Carbide Industry in Yugoslavia 1950-1959

ORIG. PUB. : *Technika*, 12. No 8 (1953); *Dem Ind.*, 12. No 8, 1953-1954 (1958)

ABSTRACT : A review article traces the development of the world carbide industry and the utilization of  $C_2H_2$ . The production of carbides as a catalyst source for the production of potassium cyanide in organic synthesis, and for the production of  $CaC_2$  during the second World War is mentioned. Comparison data are given on the production of  $CaC_2$  in various countries and particularly in Yugoslavia.  
From author's summary

LAED: 171

PETRIC, J.

Solving trigonometric polynomials with the aid of a repetitive differential analyzer. Bul Inst Nucl 11:123-134 '61.

1. Institute of Nuclear Sciences "Boris Kidrich," Automation Department, Vinca.

PETRIC, J.

~~SECRET~~ (in caps); Given Names

Country: Yugoslavia

Academic Degrees: not given

Affiliation: Automation Department, Institute of Nuclear Sciences

"Boris Kidrich"

Source: Belgrade-Vintcha, Bulletin of the Institute of Nuclear Sciences

"Boris Kidrich", Vol 11, Mar 1961, pp 123-134.

Data: "Solution of Trigonometric Polynomials on a Repetitive Differential Analyzer."

NICULESCU, Teodor, conf.; MIHAI, C., dr.; PETRIC, Maria, dr.; POPESCU, Emanoil, dr.; OANCEA, C., dr.

Stenosing regional enteritis, with primary jejunal localization, evolving into a malabsorption syndrome. Med. intern. 14 no.4:499-504 Ap '62.

1. Lucrare efectuata la Clinica medicala a Spitalului "Carol Davilla",  
Serviciul de radiologie.  
(ILEITIS, REGIONAL) (JEJUNUM) (SPRUE) (INTESTINAL OBSTRUCTION)

PETRIC, Zora (Beograd)

Absolute convergency of some orthogonal series. Zbornik rad Mat  
inst SAN 69:83-92 '60. (KRAI 10:8)  
(Series) (Convergence)

NEMEC, A., inz.; MYSLIVEC, T., inz., C.Sc.; PETRICA, J., inz.

Biological efficiency of the Thomas phosphates depending on their  $P_2O_5$  content and solubility. Hut listy 18 no.3:171-179 Mr '63.

1. Ustredni kontrolni a zkusebni ustav zemedelsky, Praha (for NemeC).
2. Vyzkumny ustav metalurgicky, Vitkovicke zelezarny Klementa Gottwalda, Ostrava (for Myslivec).
3. Ustredni kontrolni a zkusebni ustav zemedelsky, Brno (for Petrica).

L 35396-66 T JK  
ACC NR: AP6026856

SOURCE CODE: RU/0023/66/011/002/0139/0145

AUTHOR: Busila, V. T.—Bushile, V. T. (Professor); Ionescu, I.—Ionesku, I. (Doctor);  
Popian, R.—Popian, T. (Doctor); Petrica, L.—Petriko, L. (Doctor); Vilcoanu, H.—  
Vylcham, H. (Doctor); Crisan, Iona—Krishan, I. (Doctor); Pintea, Lia—Pintya, L.  
(Doctor)

ORG: Clinic of Infectious Diseases, Institute of Medicine, Timisoara (Clinica de  
boli infectioase, Institutut de medicina); Banat Region Veterinary Laboratory (Labora-  
torul veterinar regional Banat)

TITLE: Anthrax epidemic accompanying an epizooty among goats

SOURCE: Microbiologia, parazitologia si epidemiologia, v. 11, no. 2, 1966, 139-145

TOPIC TAGS: anthrax, epidemiology, human ailment

ABSTRACT: The authors report an epidemic of anthrax which followed by a few days an  
epizooty among goats with which the human patients came in contact. While in the  
human cases the disease of average intensity (only one case of septicemia), in the  
goats the disease was of the highly-acute septicemic type with many lethal cases  
(28.3 percent of the exposed animals). The epidemic affected 11 persons. Orig. art.  
has: 1 figure and 1 table. [Based on authors' Eng. abst.] [JPRS: 36,834]

SUB CODE: 06 / SUEM DATE: 22Feb65 / ORIG REF: 005 / OTH REF: 005

UDC: 616.981.51:614.4

Cord 1/1 *lkh*

0916

2611

VETERINARY MEDICINE

RUMANIA

BUSILA, V. T., Prof, IONESCU, I., Dr., POPIAN, R., Dr., PETRICA, L., Dr., VILCEANU, M., Dr., CRISAN, Ioana, Dr., and PINTEA, Lia, Dr., Work was performed at the Clinic of Infectious Diseases (Clinica de Boli Infectioase) Institute of Medicine (Institutul de Medicina), Timisoara, and the Banat Regiune Veterinary Laboratory (Laboratorul Veterinar Regional Banat).

"Anthrax Epidemic Accompanying an Epizooty Among Goats."

Bucharest, Microbiologia, Parazitologia, Epidemiologia, Vol 11, No 2, Mar-Apr 66, pp 139-145.

Abstract [Authors' English summary modified]: The authors report an epidemic of anthrax which followed by a few days an epizooty among goats with which the human patients came in contact. While in the human cases the disease of average intensity (only one case of septicemia), in the goats the disease was of the highly-acute septicemic type with many lethal cases (28.3 percent of the exposed animals). The epidemic affected 11 persons. Includes one table, one figure and 10 references, of which 5 Rumanian and 5 Western. -- Manuscript submitted 22 Feb 1965.

1/1



BAIES, A.; CONTIU, I.; PETRICA, L.; DANCEA, L.; DIACONESCU, I.

Some observations on a nidus of mycotoxicosis in horses, caused by  
*Fusarium sporotrichioides* in the Banat region. Studii agr Timisoara  
8 no.1/2:73-88 '61.

(Fungi in agriculture) (Horses)  
(Fusarium)

PETRICAN, C.

RUMANIA/Chemical Technology. Chemical Products and Their  
Application, Part 3. - Wood Pulp Industry. Hydro-  
lysis Industry. H

Abs Jour: Referat. Zhurnal Khimiya, No 21, 1958, 72053.

Author : E. Vintila, E. Papadopol, C. Petrican.

Inst : "Inst. cercetari si experim. ind. lemm."

Title : Study of Possibility to Utilize Resinous Substances  
Produced from Local Raw Materials for Wood Conservation.

Orig Pub: An. Inst. cercetari si experim. ind. lemm., 1954,  
No 14, 247-269.

Abstract: Resinous oils produced of coal tar from coking the  
coal from Valya Zhiuluy (Petrila) and resinous oils  
from wood can be utilized for wood (W) conservation,  
if some of their physico-chemical properties were  
improved. The gas-generator tar of the above men-

Card : 1/2

97

*M. PETRICEK, D*

CZECHOSLOVAKIA / Organic Chemistry. Natural Substances and Synthetic Analogues. G

Abs Jour: Ref Zhur-Khimiya, No 18. 1958, 61053.

Author : J. Stanek, K. Malkovsky, M. Novak, D. Petricek.

Inst : -

Title : Interaction of 2,3,4,6-Tetraacetyl- $\alpha$ -D-Glucopyranosylbromide with Mercaptans.

Orig Pub: Collect. czechosl. chem. commun., 1958, 23, No 2, 336-338.

Abstract: See RZhKhim, 1958, 39741.

Card 1/1

CZECHOSLOVAKIA/Chemical Technology - Chemical Products and  
Their Application, Part 3. - Fermentation Industry.

H-26

Abs Jour : Ref Zhur - Khimiya, No 7, 1958, 22988

Author : J. Soudek, D. Petricek

Inst : -

Title : Chemical Methods of Hops Evaluation.

Orig Pub : Chmelarstri, 1957, 30, No 9, 139-140

Abstract : The Velimer method, based on the difference in the solubility of individual components of the bitter substances of hops in various organic solvents, is the fundament of the chemical investigation. The total amount of resins, soft resins,  $\alpha$ -acid (humulone),  $\beta$ -acid (lupulone) and solid resins is determined by this method.

Card 1/1

HAUTKE, Premysl; PETRICEK, Drahomir

Fast and accurate method of determining the SO<sub>2</sub> content  
in hop cones. Kvasny prum 10 no. 2: 25-27 F '64.

1. Vyzkumny ustav chmelarsky, Zatec.

HAUTKE, Premysl; PETRICEK, Drahomir

Examination of savory and aromatic properties of hop oil dissolved in beer and distilled water. Kvasny prum 9 no.11: 253-256 N°63.

1. Vyzkumny ustav chmelarsky, Zatec.

SOVADINA, Milan, MVDr.; PETRICEK, Mojmir, promovany veterinerni lekar

Packaging of cuts of fresh meat. Veterinarni medicina 6  
no.10:771-781 0 '61.

1. Vyzkumny ustav pro maso, Brno.

PETRICEK, Mojmir

SURNAME, Given Names

Country: Czechoslovakia

Academic Degrees:

Affiliation: Meat Research Institute /Vyzkumny ustav pro maso/ Brno

Source: Prague, Veterinarni Medicina, Vol 6(34), No 10, Oct 1961; pp 771-780

Data: "A Contribution Concerning Packaging of Portions of Fish Meat"

SOVADINA, Milan, DVM

PETRICEK, Mojmir, graduate veterinarian /promovani veterinarni lekar/

GPO 991643



PETRICEK, O., inz.

"Luminescence; physical principles and technical application"  
by Karel Patek. Reviewed by O. Petricek. Sdel tech ll  
no.2:79-80 F '63.

L 64688-65 EPF(c)/EPF(n) [unclear] T/EXA(b)/EXA(1) 00/RM

ACCESSION NR: AT5009470

2/0000/64/000/000/0246/0247

AUTHOR: Burget, J.; Petricek, V.; Sacha, J.

TITLE: Dynamic polarization of protons and nuclei of fluorine in irradiated polymers

SOURCE: Conference on Low Temperature Physics and Techniques. 3d, Prague, 1963.

Physics and techniques of low temperatures; proceedings of the conference. Prague, Publ. House of the Czechosl. Academy of Sciences, 1964, 246-247

TOPIC TAGS: proton polarization, nuclear polarization, fluorine, polymer, electron paramagnetic resonance, nuclear magnetic resonance

ABSTRACT: This is a continuation of an earlier study (Czech. J. of Phys. B12 (1962) 911) of the polarization of nuclei in irradiated polymers by means of the "effect solide" method (A. Abragam and W. G. Proctor, Comptes rendus 246 (1958); E. Ert et al., Comptes rendus 246 (1958) 2121), which consists in saturating forbidden transitions of electron paramagnetic resonance. In the present study the polarization is achieved in stronger fields, 19 kOe. The irradiated polymer was 1.7 x 1.7 x 3.5 mm in size and was placed approximately in the center of a cylindrical cavity operating in the TE<sub>01</sub> mode. An autodyne coil consisting of a few turns of thin wire wrapped around the sample was used to detect the increase in polarization via

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L. 64688-65

ACCESSION NR: AT5009470

nuclear magnetic resonance. The autodyne frequency was 80 Mcs. The cavity, which was tunable at helium temperature, was fed through a ferrite circulator and an attenuator from a klystron operating at about 54 Gcs. The samples were polytetrafluorethylene, irradiated at a dose of  $10^{18}$  neutrons, low pressure polyethylene irradiated with a dose of  $10^{17}$  neutrons, and polyethylene irradiated with a dose of  $10^{19}$  neutrons. The measurements were made at 4.2 and 2.1K. The increase observed in the signal was 5--10 times, corresponding to an absolute polarization of about 1%. The electron resonance was found to be only partly saturated by the microwave power in the cavity, so that higher polarization can be expected if the power is increased. Measurement of the polarization of protons of the water of crystallization in crystals, where much higher polarization is attainable, are now under preparation.

ASSOCIATION: Nuclear Research Institute, Czechoslovak Academy of Sciences, Rez

SUBMITTED: 00 ENCL: 00 SUB CODE: NP, GP

NR REF SOV: 000 OTHER: 003

Card 2/2

BURGET, J.; ODEHNAL, M.; PETRICEK, V.; SACHA, J.

Dynamic polarization of protons in some polymers by using the solid effect method. Chekhosl fiz zhurnal 12 no.12:911-918 '62.

1. Nuclear Research Institute, Czechoslovak Academy of Sciences, Rez near Prague.

PETRICEK, Vaclav

Development of the Czechoslovak railroad network during the  
seven-year plan. Doprava no.5:321-327 '63

ODEHNAL, Milan; PETRICEK, Vaclav

Quantum microwave amplifiers and oscillators (lasers).  
Ces cas fys 13 no.6:500-528 '63.

1. Ustav jaderneho vyzkumu, Ceskoslovenska akademie ved, Rez.

88736

24,7900 (1035, 1144, 1160) Z/037/61/000/001/003/007  
21.5300 (1033, 1565, 1144) E024/E335

**AUTHORS:** Petříček, Václav and Šácha, Jiří

**TITLE:** Spectrometer for Dynamic Polarization of Atomic Nuclei

**PERIODICAL:** Československý časopis pro fyziku, 1961,  
No. 1, pp. 25 - 30 + 1 plate

**TEXT:** Recently, measurements on orientated nuclei have gained considerably in importance. At the Institute of Nuclear Studies of the ČSAV, Prague, a spectrometer for double resonance was built, on which protons were polarized. The nuclei were polarized by saturating the electron paramagnetic resonance of materials containing unpaired electrons. The spectrometer consists of a spectrometer for nuclear magnetic resonance and a spectrometer for electron paramagnetic resonance. The sample is placed in a static magnetic field onto which the high-frequency magnetic field of the electron paramagnetic resonance spectrometer is superimposed. The latter saturates the transitions in the EPR spectrum. By the coupling of the electron spin with the nuclear spin, the natural orientation of

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Z/037/61/000/001/003/007  
E024/E335

**Spectrometer for Dynamic Polarization of Atomic Nuclei**

the nuclei with respect to the external static magnetic field is increased. The increased orientation can be observed as an increased nuclear magnetic resonance signal. A similar spectrometer has so far been described only in Refs. 2 and 3. The apparatus is described in detail. Its major characteristics are as follows: the pole pieces are 30 cm diameter with 5.5 cm gap and the maximum intensity of the magnetic field is 3 010 Oe. A klystron of type 20SR52, producing 750-950 mW radiation at 8.5 kMc is used. A high-frequency transformer and ferrite isolator are used to match the output of the klystron into the resonance cavity. The sensitivity of the spectrometer is such that the hyperfine structure of  $Mn^{++}$  ions can be observed in an 0.1 mol. solution of  $MnCl_2$  in water,

with signal-to-noise ratio of 5:1. The frequency of the nuclear magnetic resonance circuit is between 8 and 14 Mc/s and a modified Pound circuit (Ref. 5) is used. The described apparatus was tried on many samples. Both the direct and

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88736

Z/037/61/000/001/003/007  
E024/E335

Spectrometer for Dynamic Polarization of Atomic Nuclei  
inverted Overhauser effect and the polarisation of protons  
in solid non-metallic materials was observed. The maximum  
increase in NMR signal was observed in the inverted Overhauser  
effect and the increase was by a factor of 20. Two-quantum  
transitions in the EPR spectrum can be observed by an  
adjustment of the apparatus and emissive transmissions can  
thereby be produced.

Acknowledgments are expressed to Mr. Roda for his assistance  
in designing the machanical parts of the spectrometer and  
to J. Svec of the Výzkumny ústav pro vakuovou elektrotechniku  
(Vacuum Electrical Engineering Research Institute) for  
measuring and selecting the best klystron and to Engineer  
J. Dušek of the Institute of Technical Physics, ČSAV, for  
supplying the ferrites. X  
There are 3 figures and 5 references: 1 Czech and  
4 non-Czech.

Card 3/4

88736

Z/037/61/000/001/003/007  
E024/E335

Spectrometer for Dynamic Polarization of Atomic Nuclei

ASSOCIATION: Ústav jaderného výzkumu ČSAV, Praha  
(Nuclear Research Institute, ČSAV, Prague)

SUBMITTED: March 10, 1960

Card 4/4

I 1813h-66 EWP(d)/EWP(v)/EWP(k)/EWP(h)/EWP(l)

ACC NR: AP6010362

SOURCE CODE: CZ/0032/65/015/003/0211/0219

AUTHOR: Pecha, J. (Prague); Petricek, Z. (Engineer; Prague); Kutkova, H. (Prague) <sup>23</sup><sub>B</sub>

ORG: none

TITLE: Use of structural analysis for operational manufacturing plans <sub>14</sub>

SOURCE: Strojirenstvi, v. 15, no. 3, 1965, 211-219

TOPIC TAGS: machine industry, matrix function, industrial production

ABSTRACT:

The method of structural analysis is discussed which can improve and facilitate short-term planning at large machine-industry plants which have production lines or series production. Essentially the method is based on the consistent use of matrix algebra with which it is possible to compute the parts and semifinished products needed in manufacturing, the output on the basis of market demands, and also the demands for raw materials and production capacities. The proposed method is being tested at selected machine-industry plants. This paper was presented by J. Saska, Engineer. Orig. art. has: 4 figures, 11 formulas, and 3 tables. [JPRS]

SUB CODE: 13, 05 / SUBM DATE: none / ORIG REF: 003

Card 1/1 ymb

UDC: 330.417: 338.455

PETRIČEVIĆ, Branko

The tenth meeting of the Administrative Board of the Union  
of Yugoslav Postal, Telegraph, and Telephone Enterprises.  
PTT Zajed 5 no.2:24-27 Mr-Ap '63.

PETRICEVIC, Branko

The 7th and 8th sessions of the Administrative Board of the Union of Yugoslav Postal, Telegraph, and Telephone Enterprises. PTT Zajed 4 no.5:15-18 S-0 '62.

PETRICEVIC, Branko

Third and fourth sessions of the Executive Committee of the  
Union of Yugoslav Posts, Telegraphs and Telephones. PTT  
Zajed 4 no.2:17-21 Mr-Ap '62.

PETRICEVIC, Branko

The 5th meeting of the Administrative Board of the Union of Yugoslav Postal, Telegraph, and Telephone Services. PTT Zajed 4 no.3:24-26 My-Je '62.

PETRICEVIC, F.

Constructions of tangents to the curve in the plane by  
the method of expanded boundary figure. Bul sci Youg  
8 no. 1/2: 20 F-Ap '63.

1. Strojarsko-brodogradevni fakultet, Sveuciliste, Zagreb.



PETRICEVIC, F.

Constructions of the tangents of plane curves. Glas mat fiz Hrv  
16 no.3/4:327 '61.

YUGOSLAVIA

FALISEVAC, Josip; and PETRICEVIC, Ivan, Hospital for Infectious Diseases (Bolnica za zarazne bolesti), Zagreb

"Treatment of Typhoid Fever with Ampicillin"

Zagreb, Liječnicki Vjesnik, Vol 88, No 6, June 1966; pp 657-665

Abstract: [English summary modified] Use of ampicillin (Pentrexyl, Bristol) in 12 patients aged 8 to 37, all with typhoid fever; 4 to 6 grams daily were given for about two or three weeks; in general, around 10 days of treatment was necessary to achieve bacteriologic cure; 2 of the patients remained carriers. Allergic rash appeared in 6 patients; 2 of these after the treatment was already discontinued; in 1 (mild case) rash subsided although ampicillin was continued. 6 fever charts, table. Manuscript received 7 Jun 66.

1/1

- 22 -

FETRICH, Geza, dr., egyetemi tanar

The reform curriculum of the Faculty of Mechanical Engineering,  
Technical University of the Heavy Industry. Gep 15 no.3:117-120 Nr '63.

1. Nehézipari Muszaki Egyetem Gépészmérnöki Karának dékánja,  
Miskolc.

KOSYAKOV, A.V.; PETRICH, I.M.

At a new crushed stone plant. Put' i put. khoz. no.9:26-28  
S '58. (MIRA 11:9)

1. Nachal'nik Znamenskogo shchebenochnogo zavoda (for Kosyakov).
2. Glavnyy inzhener Znamenskogo shchebenochnogo zavoda (for Petrich).  
(Znamenka--Stone, Crushed)

FLTRICH, K.

Problem of simultaneous use of DDT and HCH with emphasis on the economical factor. p. 181. KOZLEFENYEI, Budapest. Vol. 8, 1/2, 195.

SOURCE: ELAL, Vol. 5, no. 7, July 1956.

PETRICH, K.

Problem of simultaneous use of DDT and HCH with emphasis on the economical factor. p. 181  
KOZLEMENYEI, Budapest. Vol 8, no. 1/2, 1955

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

*PERMITH, PERMITH*

HUNG .

6157\* Chlorinated Cyclopentadiene Derivatives With Insecticidal Effects, Rovarirtó hatású klórozott ciklopentadién-származékok. (Hungarian.) Károly Petrich, *Magyar Kémikusok Lapja*, v. 10, no. 1, Jan. 1965, p. 1-11.  
Properties, production, and application in plant protection and public health. Structural formulas, tables. 21 ref. *223*

L 14985-66 EWT(d)/EWP(v)/EWP(k)/EWP(h)/EWP(l)

ACC NR: AP6002394

(A)

SOURCE CODE: UR/0103/65/026/012/2099/2106

AUTHOR: Petrich, Y. Y. (Belgrade)

ORG: None

TITLE: Some generalizations of the Mikhaylov criterion

SOURCE: Avtomatika i telemekhanika, v. 26, no. 12, 1985, 2099-2106

TOPIC TAGS: automatic control theory, control system stability, algorithm, polynomial

ABSTRACT: The author describes a method of finding the damping factor and the degree of stability of automatic control systems. Criteria of Soviet scientist A. V. Mikhaylov (Method *garmonicheskogo analiza v teorii regulirovaniya*, Avtomatika i telemekhanika, no. 3, 1938) are quite often used in investigations of the stability of linear automatic control systems (ACS). However, there are still no analyses pertaining to problems in the application of the Mikhaylov criterion for the solution of synthesis problems. The present article presents some generalizations of the Mikhaylov criterion and gives a comparison with the criterion of the Yugoslav scientist D. M. Mitrovic (*Graphical analysis and synthesis of feedback control systems*, AIEE Trans., pt. 11, v. 77, 1958). Both criteria have been derived on the basis of the Cauchy theorem. The results obtained make it possible to perform a simultaneous analysis and a synthesis of ACS. The algorithms used are relatively simple and convenient for practical work; all the more since they are based on the application of the Chebyshev polynomials for which ready tables are available. Orig. art. has: 6 figures and 17 formulas.

SUB CODE: 09 / SUBM DATE: 28Aug65 / OTH REF: 004 / SOV REF: 004

card 1/1



PETRICH, Y.Y. [Petric, I.I.] (Belgrad)

Application of Mikhailov's criterion in the study of the stability  
of linear systems using a modeling apparatus. Avtom. i telem.  
24 no.11:1519-1523 N '63. (MIRA 16:12)

SOVADINA, M. and PETRICHEK, M.

"Preservation of fresh weighed and packaged meat."

Veterinarni medicina, no. 6, 1961, p. 771-779, Prague

ACC NR: AP7005688

(A)

SOURCE CODE: UR/0413/67/000/002/0159/0159

INVENTOR: Bogdanova, R. A.; Kalabukhova, L. N.; Rudevskaya, B. I.; Petrichenko, A. A.

ORG: None

TITLE: A parachute pack cover. Class 62, No. 190798

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 2, 1967, 159

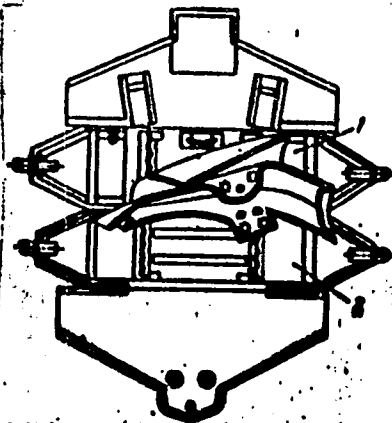
TOPIC TAGS: parachute, auxiliary aircraft equipment

ABSTRACT: This Author's Certificate introduces a parachute pack cover which contains two compartments with four valves in each. The enclosure is designed for safety in teaching parachutists to activate the auxiliary chute during abnormal operation of the main chute, and also for use in multistage parachute systems. The unit incorporates parallel arrangement of the two compartments on a common base, each compartment having its own opening mechanism.

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UDC: 629.13.01/06

ACC NR. AP7005688



1--upper compartment; 2--lower compartment

SUB CODE: 01/ SUBM DATE: 09Dec65

Card 2/2

18(5)  
AUTHORS:

Sukhodolov, Ye.A., Candidate of Technical Sciences  
and Petrichenko, I.I., Candidate of Technical Sciences

SOV/128-59-4-25/27

TITLE:

The Chinese Cupola

PERIODICAL:

Liteynoye Proizvodstvo, 1959, Nr 4, pp 47-48 (USSR)

ABSTRACT:

These Chinese cupolas are used in China for varying purposes. They can be divided into the stationary and the rotating type. They are usually low, have a small diameter, and are charged right from the ground. The rotating cupola, which is tilted by hand to let the iron run out, is the type most commonly used in Red China. In the industrial areas, the cupolas usually have no housing at all. The fireproof casing is fastened from the outside only by a set of hoops. The cupolas are used to remelt metal chips, to cast dishes, to manufacture exchange pieces for the engineering industry and in agriculture, and in some plants they are also used to melt bronze. The Chinese

Card 1/2

PETRICHENKO, A.M., inzhener; NIKITIN, A.M., inzhener.

Cast steel crankshafts. Vest. mash.27 no.2:42-46 '47.(MIRA 9:4)  
(Crank and crankshafts) (Steel casting)

IETRICHENKO, A. P.

Practices of casting in metal forms. Kiev, Gos. nauchno-tekhn. izd-vo mashinostroit.  
lit-ry, Ukr. otd-nie, 1962. 175 p. (53-34566)

1. Foundling.

PETRICHEIKO, A. M.

14090\* Particularities of the Production of Thin Wall Chill  
Mold Castings. Osobennosti proizvodstva tonkostennykh ko-  
kilynykh otliwok. (Russian.) A. M. Petrichenka. L'vovce  
Proizvodstvo, 1955, no. 7, July, p. 4.

Particularities of crystallization. Construction of chill molds;  
pouring installation. Diagrams, graphs, tables, micrographs. 3  
ref.

of gw



PETRICHENKO, A.M.; ZAYATS, A.A.; MALYSHEV, V.N.

New instrument designed for measuring the compactness of casting  
molds. Zav.lab.21 no.7:869-870 '55. (MIRA 8:10)

1. Khar'kovskiy avtomobil'nodorozhnyy institut  
(Measuring instruments)

PETRICHENKO, A.M.  
Category : USSR/Solid State Physics - Phase transformation of solid bodies

E-5

Abs Jour : Ref Zhur : Fizika, Nol, 1957, No 1196

Author : Petrichenko. A.M.

Title : On the Effect of Non-Metallic Inclusions on the Graphitization of High-Strength Cast Iron.

Orig Pub : Novoye v teorii i praktike liteynogo priozvodstva. M.-L., Mashgiz, 1956, 165-168

Abstract : Experimental data are given on the treatment of liquid magnesium cast iron with sulphur, hydrogen, and water vapor, evidencing little likelihood of the hypothesis by A. Dessy (Fonderie, 1949, 37), who proposed that the form of the graphite inclusions in the cast iron depends on the atomic crystalline structure of the nuclei of the non-metallic inclusions.

Card : 1/1

PETRICHENKO, A.M., inzhener.

Casting large flasks Lit.proizv. no.12:29 D '56.  
(China--Founding)

(MIRA 10:3)

PETRICHENKO, A. M.

*Metal* ✓ 1016 Thin Permanent-Mould Castings, Design and Production Problems. A. M. Petrichenko, *Iron & Steel*, v. 29, Oct. 1958, p. 473-477. (From *Litainos Proizvodstvo*, no. 7, 1955, p. 4-8.)  
Design of castings, molds, and casting systems. Prevention of chilling. Increasing strength of molds.

*of*