

IOTROVSKIY, Aleksandr Arturovich; KAMINSKIY, Matvey Fedorovich;
KABKINA, Nina Yefimovna; LYUBARSKIY, A.V., red.; SYDAK,
D.M., tekhn.red.

[Vending machines] Torgovye avtomaty. Moskva, Gos. izd-vo
torgovoi lit-ry, 1958. 126 p. (MIRA 11:12)
(Vending machines)

IOTKOVSKIY, A.A.; SHVEINA, Ye.I.

For the introduction of new equipment into the pharmaceutical trade.
Apt.delo 7 no.2:37-41 Mr-Ap '58. (MIRA 11:4)

1. Iz Tsentral'nogo nauchno-issledovatel'skogo aptechnogo instituta.
(DRUGSTORES--EQUIPMENT AND SUPPLIES) (VENDING MACHINES)

IOTKOVSKIY, A. (Leningrad); KARASEV, I. (Leningrad); VOLKHOVER, G.
(Leningrad)

Don't forget about economics. Sov. torg. 35 no.3:34-36 Mr
'62. (MIRA 15:3)

(Vending machines)

ORLOV, N.A., prof.; OMAROVSKIY, A.G., doktor ekonomicheskikh nauk;
IOTKOVSKIY, A.A., kand.ekonomicheskikh nauk

"History of the machinery industry in the U.S.S.R." by I.A.S.
Rozenfel'd, K.I.Klimenko. Reviewed by N.A.Orlov, A.G.Omarovskii,
A.A.Iotkovskii. Vest.mashinostr. 42 no.8:85-86 Ag '62.
(MIRA 15:8)
(Machinery industry) (Rozenfel'd, I.A.S.) (Klimenko, K.I.)

IOTKOVSKIY, Aleksandr Arturovich; YAVORSKAYA, I.S., red.

[Economic problems of the automation of Soviet trade]
Ekonomicheskie problemy avtomatizatsii sovetskoi trgovli.
Leningrad, Izd-vo Leningr. univ., 1965. 122 p.
(MIRA 18:10)

Country : BULGARIA F
Category : Microbiology - Sanitation Microbiology
Abs. Jour : Ref Zhur - Biol., No.19, 1958, 85049
Author : Katrandzhiyov, K.; Iotov, I.; Ikonomov, L.; Todorov, D.
Institut. : Bulgarian AS
Title : Microbiological Studies of Raw Cow's Milk in the
Milk Kombinat "Serdika"
Orig Pub. : Izv. Otd. Biol. i Med. N. Bulg. AN. Ser. Eksperim.
Biol. i Med., 1957, Vol.2, 155-164
Abstract : no abstract

Card: 1/1

PETROV, P.; FENCHEVA, E.; IOTOV, I.; PAVLOVA, V.

Mineral waters in the region of the Gotse Delchev Valley. Trudove
vurkhu inzh geol khidrol 3:187-205 '64.

1. Submitted December 4, 1963.

NANCHEV, N., prof.; IOTOV, I., inzh.

Breakdowns caused by atmospheric overvoltage in 20 kv. networks.
Elektroenergiia 16 no.1:8-14 Ja '65.

IOTOV, II

Determination of the modulus of groundwater drainage in
fissured rocks. Trudove vorkhu inzh geol khidrol 3:57-66 '64.

1. Submitted December 4, 1963.

Иотков К.

BULGARIA / Farm Animals. Honeybee.

Q-5

Abs Jour: Ref Zhur-Biol., No 23, 1958, 105790.

Author : ~~Yotov, K.~~

Inst : Not given.

Title : My Mistakes in the Fight Against Braulosis.

Orig Pub: Pchelarstvo, 1957, No 7, 21-22.

Abstract: On the basis of practical experience, it is recommended that before honeybees are subjected to fumigation with tobacco smoke, the degree of infestation of each colony be determined. After fumigation, the bee entrance of the hive must not be tightly closed. Treatment should be repeated only in case of necessity. A strong tobacco should be used and not more than 5-10 g. of it should be placed into the smoker. The bottoms of the hives should be dusted with naphthalene.
-- V. A. Kanzyuba

Card 1/1

Resistance of Bulgarian potato varieties to late blight. Selskostonauka 2 no.8:977-984 '63

IOTOV, Iako

Wintering of *Myzus persicae* Sulz. on decorative and indicator
peach trees. Selskoston nauka 2 no.10:1251-1256 '63.

KHRISTOVA, L.; IOTOV, M.; HERBERIAN, M.; Studenti ot krushoka po pediatria
s uchastieto na T. Janeva i L. Basheva-Staneva, rukovoditeli

Rheumatism in school children. Sovrem. med., Sofia 5 no.7:31-35
1954.

1. Iz Katedrata po detски bolesti pri Med. akademiia V. Chervekov,
Sofia (sav. prof. L. Rachev)
(RHEUMATISM, in infant and child,
school child.)

ИОТОВ, Н.

Our forage kitchen. p. 23.

Mechanical steaming of straw. Tr. from the Russian. p. 24.

Vol. 10, no. 11, Nov. 1955

KOOPERATIVNO ZEMEDELIE

Sofiya, Bulgaria

So: Eastern European Accession Vol. 5 No. 1 Jan. 1956

BANDOV, K., dots., kand. na tekhn. nauki, inzh.; IOTOV, Sl., inzh.;
PENEV, And., inzh.; MATEEV, M., inzh.

Substituting rope belt transporters for conventional rubber
band conveyers. Min delo 18 no. 11: 21-25 N '63.

1. Minre-geolozhki institut (for Bandov, Penev, and Mateev).
2. R. "Tolbukhin", Pernik (for Iotov).

IOTOV, St.

Pneumoperitoneum in the treatment of pulmonary tuberculosis.
Suvrem. med., Sofia 5 no.8:71-75 1954.

1. Is Darshavnia detaki sanatorium, Triavna. Gl. lekar: Iv.
Vuglenov.

(PNEUMOPERITONEUM, ARTIFICIAL, therapeutic use,
tuberc., pulm.)

IOTOV, St.

Results of the treatment of pulmonary tuberculosis in children and adolescents using pneumoperitoneum alone and in combination with other collapse therapy technics. Suvrem. med., Sofia 5 no.8:76-86 1954.

1. Iz Durshavnia detsko-iumosheski sanatorium, Triavna. Gl. lekar: Iv.Vuglenov.

(PNEUMOPERITONEUM, ARTIFICIAL, therapeutic use, tuberc., pulm., in adolescents & child., alone & with other collapse ther. technics)

IOTOV, S.

Indications for therapeutic pneumothorax in hemato-disseminated forms of pulmonary tuberculosis in children and adolescents. Suvrem.med., Sofia 6 no.8:95-100 1955.

1. Iz Detskia sanatorium - Triavna (gl.lekar: Iv.Vuglenov)
(PNEUMOTHORAX, ARTIFICIAL,
indic. in child. & adolescents)

IOTOV, St., inzh.

Registration of mine accidents. Min delo 18 no. 11: 43-44
N '63.

1. NIOTPZ.

IOTOV, V.

"Air-Steam Vulcanization." p. 20,
(LEKA PROMISHLENOST, Vol. 3, No. 2, 1954, Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4
No. 5, May 1955, Uncl.

AP5017460

UR/0020/65/162/005/1109/1111

21
3

V. P.; Dvoret'skaya, N. M.; Iotova, N. Kh.

temperature dependence of adhesion strength at various rates of separation
adhesion seam

SOURCE: AN SSSR. Doklady, v. 162, no. 5, 1965, 1109-1111

TOPIC TAGS: adhesion strength, cellophane, polyethylene, adhesive bonding, poly-
mer film

ABSTRACT: An attempt was made to determine the nature of the adhesive interaction
the various layers of a composite film material into a single multi-
system by using data on the temperature-rate dependence of the adhesion
the material studied was a composite film material obtained by coating
polyethylene. The tests were carried out on a rupture-test ma-
strain gages at 20-90C and separation rates of 50-466 mm/min. The
adhesive separation decreases with temperature at all separation
rates, the greatest drop being observed at 70C. A relationship and separation rates
from 50 to 466 mm/min, the separation stress and the rate are related as follows:

$$\sigma_r = a v,$$

Card 1/2

L 59595-65

ACCESSION NR: AP5017460

where σ_r is the separation stress (in g/cm) at the indicated temperatures, v is the separation rate (in mm/min), and Q is a constant. An interpretation of the data, based on an extension of the concepts of the mechanism of cohesive rupture in the case of adhesive separation, is given in terms of the part played by the heat energy in the kinetics of rupture of the adhesive bond between the adhesive and the substrate. Calculations using experimental data on the temperature dependence of the adhesion strength showed that for collagenase-polyethylene the apparent activation energy is equal to 4.7 kcal/deg, which corresponds to values of the energy of molecular interaction. Orig. art. has: 4 figures and 3 formulas.

Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy promy-
 (Moscow Technological Institute of the Meat and Dairy Industry)

20 Nov 64

ENCL: 00

SUB CODE: MT

007

OTHER: 000

FESEKY, Ts.; IOTOVA, T.

Contributions to the studies of *Sorex araneus* L. of the
Vitosha Mountain. *Godishnik biol* 54/55 no.1:215-227
'59/60-'60/61 [publ. '62].

IOTOVA, V.

September Conference of the Chemistry Teachers in Sofia.
Biolog i khim no.6:61 '61.

IOTOVA, V.

Educational work through teaching of chemistry. Biol i
khim 7 no. 1: 24-29 '64.

NIKOLOVA, L.; IOTOVSKI, V.

Prevention of acute catarrhs of the upper respiratory tract and of influenza by erythema-dose ultraviolet irradiation. Suvrem.med., Sofia no.6:93-96 '59.

1. Iz otdelenieto po fizioterapiia pri VMI - Sofia. Zav. L. Nikolaeva.

(INFLUENZA prev.& control)
(RHINITIS prev.& control)
(ULTRAVIOLET RAYS ther.)

10TSEVICHYENE
JOSEVICIENE, A., doc.

On the problem of vasomotor headache or migraine. Sveik.
apsaug. 8 no. 2:44-47 F'63.

1. Kauno Valst. medicinos institutas. Rektorius - prof.
Z. Januskevicius.

*

IOTSEVICIENE, A.P., Cand Med Sci--(diss) "Galvanometry of the skin in
~~the~~ disturbances of cerebral circulation." Kaunas, 1958. 19 pp (Min
of Health Lithuanian SSR. Kaunas State Med Inst), 140 copies (KL,48-58,106)

63-

10TSEVČIENE, A.P.

CIBIRAS, P., kand. med. nauk; DAKTARAVICIENE, E., kand. med. nauk;
JARZEMSKAS, J., kand. med. nauk [deceased]; JOCEVICIENE, A.,
kand. med. nauk; KRIKSTOPAITIS, M., kand. med. nauk; NENISKIS, J.,
kand. med. nauk; STEPONAITIENE, L., kand. med. nauk; SURKUS, J.,
kand. med. nauk; SIIMANAS, S., kand. biolog. nauk; CEPULIS, St.,
prof.; KUPCINSKAS, J., prof.; LASAS, Vl., prof.; SIDERAVICIUS, Br.,
prof.; KANOPKA, E., dots.; KVIKLYS, V., dots.; LABANAUSKAS, K.,
dots.; POLUKORDAS, H., dots.; BABUBLYS, P., doktor; CAPKEVICIUS, V.,
doktor; MAKARIUNAS, P., doktor; PAKONAITIS, P., doktor; STUOKA, R.,
doktor; SURGAILIS, H., doktor; PAULIUKONIENE, J., red.; ANAITIS, J.,
tekh. red.

[Health and diseases] Antrasis pataisytas leidimas. Vilnius,
Valstybine politines ir mokslines literaturos leidykla, 1961. 356 p.
(MIRA 15:3)

(HYGIENE) (PATHOLOGY)

IOTSOV, Iv., inzh.

Dressing of copper-pyrite ores. Min delo 18 no.1:17-21 Ja '63.

1. "Niprorouda."

IOTSOV, Ivan D., inzh.

Washing of the Kremikovtsi iron ore. Tekhnika Bulg 13 no.1:
23-25 '64.

Yotsov, M.

UZUNOV, G.; IOTSOV, M.; GEORGIYEV, I.

Psychosis due to bromides poisoning. Izv. Med. inst., Sofia
4-5:281-304 1951. (CLML 22:3)

1. Corresponding Member for Usunov; Doctor for Yotsov and
Georgiyev. 2. Neuro-psychiatric Clinic (Director -- G. Usunov,
Corresponding Member) of V. Chervenkov Medical Academy, Sofia.

IOTSOV, M.

Chemical Abst.
Vol. 48 No. 8
Apr. 25, 1954
Biological Chemistry

⑤
✓ Chronic and acute intoxication by manganese. M. Iotsov, P. Ovcharova, R. Kolnov, and A. Petrov. *Annuaire Acad. Med. "Vulko Tchernovets"* 30, 437-41 (1950-51) (French summary).—Lethal intoxication of rabbits with $MnCl_2$ did not cause any pathol. changes in the blood-cerebral barrier and did not influence the passage of trypan blue or NaI into the cephalo-rachidian liquid or to the brain tissues. Chronic intoxication with a total of 180 mg. $MnCl_2/kg.$ in 2% soln. during 5 months gave similar results. Lethal and toxic doses depend both on the quantity of $MnCl_2$ and the concn. of the solns. used. G. Meguerian

IOTSOV, S.

Application of standards for enamel utensils.

p. 35 (RATSIONALIZATSIIA) Vol. 7, no. 10, Oct. 1957,
Sofia, Bulgaria

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 3,
March 1958

IOTSOV, STEFAN G.

Iotsov, Stefan G. - Mashino chertane. Za I, II, i III kurs na tehnikumite po mekhanotekhnika i elektrotehnika. Sofiya (Narodna prosveta) 1952 281 p.
(Drawing instruments; textbook for the first, second, and third course in technical schools of mechanical and electrical engineering. Illus., diag.)

SO: Monthly List of East European Accessions, Library of Congress, Vol. 2, No. 9, Oct. 1953, Uncl.

IOTSOV, Stefan G.

Machinery designing for the 1st, 2nd, and 3rd years of technical education.
Sofia, Narodna prosveta, 1954. 283 p. (55-43140)

TJ230.I 67

IOTSOV, S. I.

Dissertation: "Effect of Food Factors and Maintenance on the Metabolism and Composition of Milk in Highly Productive Cows." Cand Agr Sci, Moscow Academy of Agriculture imeni K. A. Timiryazev, Moscow, 1953. (Referativnyy Zhurnal--Khimiya, Moscow, No 4, Feb 54)

SO: SUM 243, 19 Oct 54

BULGARIA / Farm Animals, Cattle

Q-2

Abs Jour: Ref Zhur-Biol., No 2, 1958, 7167

Author : S. I. Iotsov

Inst : Not given

Title : Influence of a Two-Interval Work Schedule on a Large Horned Cattle Farm On Milk Production and the Content of Fat in the Milk.

Orig Pub: Nauchn. tr. Vyssh. veterinarnomed. in-t, 1956, 4, 455-474.

Abstract: The system proposed by A. M. Zholnirenko, according to which farm work is performed in two periods has been tried out. The experiment was conducted with the Sofia Brown Breed, of one of the kolkhoz herds. Both the experimental and the control group consisted of 14 dairy cows (similar in age, lactation period, and milk production).

Card 1/3

BULGARIA / Farm Animals, Cattle

Q-2

"APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00051872

720

Abs Jour: Ref Zhur-Biol., No 2, 1958, 7167

Abstract: Feeding conditions of the animals were identical. The cows were milked four times per 24 hours, twice on each shift. The experiment lasted one month and a half. The advantage of the two-interval system was ascertained by the exact timing of operations. The experimental cows showed a 0.17 percent increase in the contents of fat in their milk, as compared to the control animals, and thus caused the increase of the quantity of milk fat by 2 percent, in these cows. After long intervals, the average milk yield of cows was 37.83 - 45.65 percent of the daily milk yield, while after short intervals - 7.09 - 12.6 percent. A lack of uniformity in the milk formation during the 24 hours was observed. The application of the Zholnirenko method is recommend-

Card 2/3

Abs Jour: Ref Zhur-Biol., No 2, 1958, 7167

Abstract: ed for such farms only where for a long time

COUNTRY : Bulgaria
CATEGORY : Farm Animals. Cattle. Q-3
ABS. JOUR. : RZBiol., No. 4, 1959, No. 16670
AUTHOR :
INST. :
TITLE :
ORIG. PUB. :
ABSTRACT : Measurements the growth increase of these
measurements during the course of the first
month of their lives is two times larger than
in calves with large measurements. Later
these differences become smaller. -- K. H.
Lyutikov

CARD: 4/4

BOGOLYUBSKIY, S.I.; VASIL'YEV, V.G.; IOTSYUS, G.P., kand. sel'-khoz. nauk; KONDRATYUK, N.D., kand. ekon. nauk; PATRIK, I.A., kand. sel'khoz. nauk; PEL'TSER, S.O., kand. sel'-khoz. nauk; SMETNEV, S.I., akademik; TIKHOMIROV, A.Ye., kand. tekhn. nauk; FEDOROVSKIY, N.P., kand. biol. nauk; GROMOVA, A.V., red.

[Manual for the poultry farmer] Spravochnik ptitsevoda. Izd.2., perer. i dop. Moskva, Kolos, 1965. 413 p.
(MIRA 18:7)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk iemni V.I.Lenina (for Smetnev).

IOV, E.

At the marble quarry in Ruschita, p. 1.

Vol. 7, no. 284, June 1955
CONSTRUCTORUL
Bucuresti, Rumania

Source: East European Accession List. Library of Congress
Vol. 5, No. 8, August 1956

IOV, E.

Advanced methods shall again be introduced in the Solidaritatea Factory.

P. 2, (Constructorul. Vol. 9, no. 395, Aug. 1957, Bucuresti, Rumania)

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

IOV, Emil

Prefabricated parts of the best quality for industrial construction sites. Constr Buc 14 no.651:2 30 Je '62.

IOV, Emil

Quality of autoclaved plates has been improved. Constr Buc 14 no. 652
2 21 J1 '62.

IOV, E.

Judicious orientation of local industry development. Constr
Buc 14 no. 674: 2 8 December 1962.

IOV, E.

Consumption of combustibles can be reduced below the quota.
Constr Buc 16 no. 749:2 16 May '64.

IOV, Emil

From the cobalt glass to the switch desk. Constr Buc 16
no.759:2 25 Ji '64.

IOV, Emil

The young and vigorous industry of prefabrications. Constr Buc
16 no.769:1 3 Oct '64

IOV, Emil

Daily concerns of the work of the chief mechanic. Constr Buc
16 no.77082 10 0'64

IOV, Emil

Economical efficiency of some measures. Constr Buc 16 no.772:2
24 0 '64

IOV, Emil

The cost price, a problem of the whole collective! Constr
Buc 16 no.776:1,2 21 N '64.

IOV, E.

Improvement in technology and organization. Constr Buc 17
no.784:1 16 Ja '65.

IOV, Emil

Quality, in the sector of finishing and insulating materials.
Constr Buc 17 no.786:2 30 Ja '65.

IOV, Emil

Constructions in present day Hunedoara. Constr Buc 17 no.787:3
6 F '65.

IOV, Emil

Shortening the duration of performance. Constr Buc 17 no.788:2
13 F '65.

IOVA, A. dr.

Considerations on ocular myiasis in children. *Pediatria (Bucur)*
14 no.1:33-38 Ja-F'65.

1. Spitalul raional unificat din Bozovici.

IOVA, G.M.

Circuit for a marking device for an electric prospecting oscillograph.
Razved. geofiz. no.1;61-63 '64. (MIRA 18:7)

I. 16306-67 INT(1) GW
ACC NR: AP6029899 (A, N) SOURCE CODE: UR/0413/66/000/015/0062/0062

INVENTORS: Alekseyev, A. M.; Bezruk, I. A.; Bulanov, N. A.; Shchukin, S. N.; Klyuchkin, V. N.; Kulikov, A. V.; Molikadze, S. Ye.; Chinareva, O. M.; Yemel'yanov, A. M.; Mungirova, G. S.; Rozin, G. I. M.; Boltalin, A. P.; Zlatkovich, L. A.; Iova, G. M.; Sokolova, E. D.

ORG: none

TITLE: Geoelectric prospecting device. Class 21, No. 184361 [announced by All-Union Scientific Research Institute of Geophysical Prospecting Methods (Vsesoyuznyy nauchno-issledovatel'skiy institut geofizicheskikh metodov razvedki)]

SOURCE: Izobret prom obraz tov zn, no. 15, 1966, 62

TOPIC TAGS: prospecting, geologic instrument

ABSTRACT: This Author Certificate presents a geoelectric prospecting device containing a dc generator, a master oscillator, a thyatron bridge commutator, a reference phase synchropulse shaper unit, a radio station, and a measuring laboratory. The laboratory contains an electromagnetic field receiver, a calibration unit, a selective amplifier, a radio station, a synchropulse shaper unit, an electronic oscillograph, a recorder, a time setting unit, and a detector voltmeter. For generalized utilization of the device in the VP, MPP, and INFAZ methods, to increase the accuracy of measuring the phase angles in the infrasonic frequency range, and to increase the noise

UDC: 550.837

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L 10306-67

ACC NR: AP6029899

protection when measuring pulsed signals, a phase marker in the form of a diode regenerative comparator is placed in the measuring laboratory. The comparator is connected to the output of the selective amplifier. An input signal divider connected to the input of the selective amplifier is used in the calibration unit. A dc amplifier operating in the electrometric mode is connected between the register and recorder (see Fig. 1).

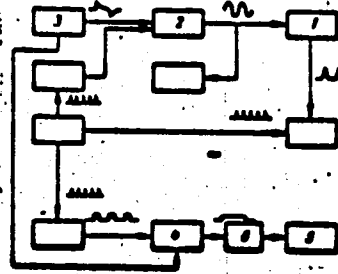


Fig. 1. 1 - phase marker; 2 - selective amplifier; 3 - calibration unit; 4 - register; 5 - recorder; 6 - dc amplifier

Orig. art. has: 1 diagram.

SUB CODE: 09 08 / SUBM DATE: 30Jun64

Card 2/2

L 1/001-00 ENP(e)/I/ENP(t)/ETI IJP(e) JD/JG/AT/WH

ACC NR: AP6023766

SOURCE CODE: GE/0061/65/015/05-/0313/0320

AUTHOR: Badareu, E.; Popovici, C.; Iova, I.; Somosan, M.

62

ORG: Institute of Physics, Academy of the Rumanian People's Republic, Bucharest

B

TITLE: Hollow-cathode effect in cesium vapor

SOURCE: Annalen der physik, v. 15, no. 5-6, 1965, 313-320

TOPIC TAGS: cesium plasma, discharge tube, spectrographic analysis

ABSTRACT: The article deals with processes taking place in a hollow-cathode discharge tube with cesium vapor. The cathode here consists of two parallel plates; the negative charges travel from the space between these plates out toward the anode. The cathode plates are made of nickel embedded in quartz, and a cesium pill inside the tube produces the vapor atmosphere. Two sets of measurements were made: 1) electrical (current vs. pressure and current vs. distance between the two cathode plates), 2) spectrographic (intensity distribution of the Cs II lines 4616.13 and 4867.5 Angstroms, also of the Ba I 6019.17 Angstrom line for comparison). This distribution of intensity has a maximum in the middle of the intercathode space; the magnitude of this maximum varies with pressure, attaining the highest value at about 0.01 mm Hg for both Cs lines. A direct relation between spectral in-

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1590

L 32807-66

ACC NR: AP6023766

tensity and discharge current is obtained by eliminating pressure as the independent variable for both. As a result, a straight proportion between current and intensity is found. [JPRS]

SUB CODE: 20 / SUBM DATE: 09Nov64 / ORIG REF: 007 / SOV REF: 001
OTH REF: 012

Card 2/2 mgs

RUMANIA / Cosmochemistry. Geochemistry. Hydro-chemistry. D

Abs Jour: Ref Zhur-Khimiya, No 8, 1959, 26842.

Author : Codarcea, A., Ianovici, V., Iova, I., Lupan, S., and Papacostea, C.

Inst : Rumanian Academy of Sciences.

Title : Rare Earths in the Ditrau Massif.

Orig Pub: Commun Acad RPR, 8, No 3, 321-328 (1958) (in Rumanian with French and Russian summaries).

Abstract: A number of outcrops of ore-bearing formation have been found in the alkali rocks in the northwestern part of the Ditrau Massif (Hungarian Autonomous Region [Transylvania]). During their investigation, the paragenesis of the sulfurous compounds (pyrite, sphalerite, chalcopyrite, galenite, molybdenite) and minerals containing TR [sic] (monazite, xenotime,

Card 1/2

APPROVED FOR RELEASE: Thursday, July 27, 2000

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720

RUMANIA / Cosmochemistry. Geochemistry. Hydro-chemistry. D

Abs Jour: Ref Zhur-Khimiya, No 8, 1959, 26842.

Abstract: and rhoenite) has been established. Qualitative spectral analyses of the ore [unspecified] and of the hornblende from the enclosing rocks have been made (no tables of data are given). -- V. Vilen-skiy

Card 2/2

47

BADARAU, Eugen, acad.; POPESCU, Iovitu; IOVA, Iancu

Mechanism of cathodic regions of the abnormal luminiscent discharge in helium. Studii cerc fiz 11 no.3:597-603 '60. (KBAI 10:2)

1. Laboratorul de electronica in gaze, Facultatea de matematica si fizica a Universitatii C.I.Parhon, Bucuresti.
(Helium) (Cathodes) (Luminiscence)

GIURGEA, M., prof.; IOVA, I.; SAVOPOL, D.; POP, A.

Spectral distribution of the luminous flux in some fluorescent
tubes manufactured by the Electrofar Enterprise, Bucharest.
Metrologia apI 11 no.3:97-102 Mr '64

L 15569-66 EWT(1)/EWT(m)/ETC(f)/EWG(m)/EWP(t)/EWP(b) IJP(c) ID/AT
ACC NR: AP6004403 SOURCE CODE: UR/0051/66/020/001/0027/0029

AUTHOR: Iova, Ya.

67
B

ORG: Bucharest University

TITLE: Shift in the spectral lines of Ar I in a low power spark discharge plasma

21,44,55

SOURCE: Optika i spektroskopiya, v. 20, no. 1, 1966, 27-29

TOPIC TAGS: discharge plasma, line shift, argon, excitation spectrum

ABSTRACT: Present theories on the process of broadening and shift of spectral lines as a secondary Stark effect due to nonadiabatic interaction between fast electrons and the radiating system are used as a basis for studying the shift in spectral lines of an argon atom excited in a low power discharge at higher than atmospheric pressures. The experimental conditions were selected in such a way as to give only lines of atomic argon in the 4250-4045 Å region. Nearly all lines show considerable asymmetric broadening and a rather large shift toward the long-wave side. The electron temperature of the plasma was found to be 20,000°K while the electron density was $5.3 \cdot 10^{18} \text{ cm}^{-3}$. A table is given comparing experimental and theoretical data on

Card 1/2

UDC: 537.523.4 : 546.293

L 15569-66

ACC NR: AP6004403

complete line shifts. The theoretical values are consistently higher than the experimental values by approximately 20%. This divergence may be due to incomplete ionization of the plasma. Asymmetric broadening of the lines is stronger than that predicted by theory which may be due to the contribution of ions and neutral atoms in disturbing the levels of excited atoms. Shifts in lines which do not end at a resonance level and have practically symmetric contours are due mainly to nonadiabatic interaction between excited atoms and fast electrons. Orig. art. has: 1 figure, 1 table.

SUB CODE: 20/ SUBM DATE: 10Apr65/ ORIG REF: 002/ OTH REF: 009

Card 2/2 mc

S/081/62/000/013/010/054
B158/B144

AUTHORS: Gelberg, A., Iovan, N.

TITLE: Scintillation-spectrometer with automatic recording

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 13, 1962, 167, abstract.
137e2. (Studii si cercetari fiz. Acad. RPR, v. 12, no. 2,
1961, 379-385)

TEXT: The scintillation spectrometer described contains a single-channel
amplitude analyzer with a level that changes smoothly with time. ✓
Recording is carried out by an automatic potentiometer. [Abstracter's
note; Complete translation.]

Card 1/1

Iovanescu, F.

MINULESCU, M.; BIRZU, I.; CRNPU, S.; IOVANESCU, F.; IONESCU, D.;
LUPULESCU, V.; MICHEL, G.; PAULIN, S.; ROTARU, A.; RUSOVICI, I.;
ZAHARIA, C.

The first focus of infantile leishmaniasis identified in the
Rumanian People's Republic. Stud. cercet. inframicrobiol., Bucur.
6 no.3-4:595-603 July-Dec. 1955.

(LEISHMANIASIS, in inf. & child
in Rumania, pathol. & epidemiol.)

IOVANIGI, V.

Ali Agamali Oglu Amiraslanov; obituary. Analele geol geogr 17
no.4:141 O-D '63.

IOVANOV, Eugen

Thorough support to the competition of the trade-union libraries.
Munca sindic 6 no.8:20-24. Ag '62.

YUGOSLAVIA/Chemical Technology. Chemical Products and Their
Application. Ceramics. Glass. Dinders. Concrete.

H-13

Abs Jour: Ref Zhur-Khim., No 13, 1958, 44024.

Author : Iovanovic Milutin, Ristic Momcilo.

Inst :

Title : Special Technical Ceramics with a Base of Talc. I.
Cordierite.

Orig Pub: Tehnika, 1957, 12, No 8, Hen. ind., 11, No 8,
126-2129.

Abstract: A review of questions concerning the position of
Cordierite (C) $2\text{MgO} \cdot 2\text{Al}_2\text{O}_3 \cdot 5\text{SiO}_2$ in the system
 $\text{MgO}-\text{Al}_2\text{O}_3-\text{SiO}_2$, its properties and synthesis from
talc, kaolin and technical Al_2O_3 . Low thermal
expansion coefficient of C, $1-2 \cdot 10^{-6}$, and good
dielectric properties, render the articles made

Card : 1/2

YUGOSLAVIA/Chemical Technology. Chemical Products and Their
Application. Ceramics. Glass. Binders. Concrete.

H-13

Abs Jour: Ref Zhur-Khin., No 13, 1958, 44024.

from C of particular value in electric insulation.
However, C-ceramics have a narrow temperature interval
of sintering - fusion; above 1440°C decomposes to
mullite and a melt. Data are presented concerning
the characteristics of C-ceramics of the Swiss firm
Isola-Werke (I) and of the German firm Stemag (II)
(respectively I, II): water absorption 5-10; 0;
 $\bar{\sigma}$ tensile 200-350; 250-350 kg/cm²; $\bar{\sigma}$ compression
3500-6000; 3000-5000 kg/cm²; thermal expansion co-
efficient $1.8-4 \cdot 10^{-6}$; $1.1 \cdot 10^{-6}$; breakdown vol-
tage 5-12; 10-20 Kv/mm; dielectric constant about 5;
electric resistance at 600°C 10^5-10^6 ; 10^4-10^5 ohm-cm.

Card : 2/2

JOVANOVIĆ, MIROSLAVA

1ST AND 2ND ORDERS												3RD AND 4TH ORDERS											
PROCESSES AND PROPERTIES INDEX																							
IVANOVIC, S. L.												22											
CA																							
<p>Laboratory installation for pyrolytic distillation of bituminous schists. S. L. Ivanovic, et al. (Glasnik Khim. Drustva Beograd (Bull. ser. chim. Belgrade) 12, 143-80 (1947) (French summary).—By expts. on a lab. scale, domestic nonoxidized schists ave about 80% tar with respect to the total org. substance, i.e. less than Estonian bituminous schists. N. Thom</p>																							
ASD-3LA METALLURGICAL LITERATURE CLASSIFICATION												E-STEEL-2275											
FROM BOSTON												E-STEEL-2275											
SERIES #												SERIES #											
SERIES #												SERIES #											

Iovanovic, V. S.

IKML

Colorimetric determination of uranium with ammonium thiocyanate. V. S. Iovanovic and E. J. Zuckerman. *Anal. Chem.* 1964, 36, 1821-1823.

The method for the colorimetric determination of uranium with ammonium thiocyanate without pH control has been investigated by examining the effect of H_2SO_4 , HNO_3 , and HCl on colour intensity and the amount of the uranyl thiocyanate complex. The colour intensity of the uranyl thiocyanate complex is not affected by the presence of H_2SO_4 , HNO_3 , and HCl in the solution, and some acids and salts are also present. HNO_3 and HCl react with the thiocyanate ions and increase the absorption of light in the solution, whilst H_2SO_4 gives a less intense colour but more reproducible results. The thiocyanate method is applicable to U determination without pH control in the presence of H_2SO_4 , HNO_3 , and HCl solution with control of the amount of thiocyanate ions. NH_4SCN .

IOVANOVICH, Batrich.

Commercial aviation in the Federal People's Republic of Yugoslavia.
Grashd.av. 14 no.1:37-38 Ja '57. (MLRA 10:4)
(Yugoslavia --Aeronautics, Commercial)

DOVANOVIĆ, D. K.

Processes and Properties of ...

Radioactive bathing places in Yugoslavia. D. K. Yovanovitch. *Banjs Morishe i Klimat. Mesta Jugoslavije*, 1936, 66-70. Radioactive minerals are widespread in Yugoslavia. In some places, notably Niška Banja, Soko Banja and Topusko-Toplice, the water of thermal springs contains 2.49 to 170×10^{-6} Curie Rn per l. The temp. of these waters varies from 20° to 50°. While some sources deliver only 2 l. water per min., others reach nearly 400 l. Gases emanating from the waters carry away marked amts. of Rn. An analysis of a sample of gas from one source gave: N 90.13, O 5.36, CO₂ 2.71, He + Ne 0.15%, A + Kr + Xe 1.62%.

J. G. Tolpin

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

62-1131 CM QW 451

Iovanovich, M. S.

Yugoslavia/Analytical Chemistry - Analysis of Inorganic Substances G-2

Abs Jour : Referat Zhur - Khimiya, No 3, 1957, 8479

Author : Iovanovich, M. S. and Yankovich, S.

Inst : Not given

Title : Separation of Bismuth from Other Metals by the Rapid Electrolysis of a Sulfate Solution. I.

Orig Pub : Glasnik khem. drushtva, 1955, Vol 20, No 2, 119-123 (in Serbian with a German summary)

Abstract : A new electrolytic method for the separation of bismuth is proposed: metallic Bi (0.05-1 gm) is dissolved in conc. H_2SO_4 (10 ml) and the solution heated and diluted to ~ 150 ml. Solutions containing less than 0.5 gms Bi remain clear; when the Bi content exceeds 0.5 gms, a precipitate is formed. 5 ml C_2H_5OH are added, and the solution electrolyzed at 70° , using a potential of 2.0 v and a current of 0.6-1.6 amps. The electrolysis is stopped about 15 min after the current is lowered to 0.1 amp. The results from the experiments are in fairly good agreement with expectations; the deposits formed at the cathode are of completely satisfactory quality.

Card 1/1

-31-

IOVASHVILI, N.S.

Duration of the active artificial antidiphtheritic immunity.
Sob. AN Grus. SSR 32 no. 1:215-219 0 '63. (MIRA 17:9)

PASKOV, D., prof. dr., IOVCHEV, A.; DJAROV, D.; MIZOV, V.; VLACHOV, V.

Pharmacologic action of a new group of synthetic compounds and the connection with their chemical structure. Nauch. tr. vissh. med. inst. Sofia 43 no.4:9-14 '64

1. Chair of Pharmacology of HMI, Sofia (Director: Prof. D.Paskov).

IOVCHIEV, A.

"Alesksandr Mikhailovich Butlerrov; a profile" (p.101) PRORODA
(Bulgaraska Akademia Na Naukite) Sofiya Vol 2 no 6 Nov/Dec 1953

SO: East European Accessions List Vol 2 No 6 Aug 1954

IOVCHIEV, A.

"The Soviet Union originated synthetic rubber" (p.41) PRIRODA
(Bulgaraska Akademiia Na Naukite) Sofiya Vol 3 No 1 Jan/Feb 1954

SO: East European Accessions List Vol 2 No 6 Aug 1954

IOVCHEV, A.

"Academician Aleksandr Erminingel'ovich Arbuzov; a profile" (p.90) PRIRODA
(Bulgaraska Akademiia Na Naukite) Sofiya Vol 3 No 1 Jan/Feb 1954

SO: East European Accessions List Vol 2 No 7 Aug 1954

YOVCHEV, ATANAS L.

BULGARIA/Medicinal Substances, Vitamins, Antibiotics.

H.

Abs Jour : Ref Zhur - Khimiya, No 19, 1958, 65341

Author : Yovchev Atanas L.

Inst : "

Title : The Extraction of Vitamin "A".

Orig Pub : Priroda (Sofia), 1955, 4, No 6, 62-64.

Abstract : No abstract.

Card 1/1

I OVCHEV, H.

Bulgaria/Organic Chemistry - Synthetic Organic Chemistry, E-2

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 817

Author: Rankov, G., and Iovchev, A.

Institution: Bulgarian Academy of Sciences

Title: Elaidinization of Ricinoleic Acid with Selenium

Original

Periodical: Dokl. Bolgar. AN, 1955, Vol 8, No 2, 41-44 (published in German with a Russian summary)

Abstract: Fifty grams of ricinoleic acid are heated with 0.25 gms Se in a stream of CO₂ for 3 hours at 220-230°. The Se is removed and the ricinelaidic acid is separated from the uncrystallized mixture; the yield is 24.5-31.1%, mp 50.5-51°, n_D²⁰ = 1.4541.

Card 1/1

Lovchev, A

3

Determination of small amounts of methyl alcohol in ethyl alcohol and fruit brandies by the method of Denigès. G. Rankov, A. Popov, and A. Lovchev (Bulgar. Akad. Wiss., Sofia). *Compt. rend. acad. bulgare sci.* 8, No. 2, 53-6 (1956)(in German).—The colorimetric method of Denigès was modified. Mix 5 cc. of the sample to be tested with 0.25 cc. H_3PO_4 and 2 cc. of a 3% aq. soln. of $KMnO_4$. After 16 min. add 1 cc. $(CO_2H)_2$ and subsequently 5 cc. H_2SO_4 . Place the resulting colorless liquid with 5 cc. of Schiff's reagent on a water bath at $30 \pm 1^\circ$ for 3 hrs. and then measure with a photoelectrocolorimeter PPK-M with a green filter. At a MeOH content of more than 2-3 cc./l., dil. the liquid with 10% H_2SO_4 before photometry. The influence of various EtOH concns. was studied. The sensitivity of the reagent was greatest when MeOH was in aq. soln. (0% EtOH). In the presence of 2 cc./l. of MeOH the sensitivity was greatest at a 2-5% (vol.) concn. of EtOH. The most reliable and best reproducible figures were obtained with 10% EtOH; the av. error for 0.2-10 cc./l. MeOH was $\pm 5-7\%$. L. Lange

BULGARIA / Chemical Technology. Chemical Products and Their Application, Part 3. - Fats and Oils. Waxes. Soaps. Detergents. Flotation Agents. H

Abs Jour: Referat. Zhurnal Khimiya, No 21, 1958, 72080.

Author : G. Rankov, A. Yovchev, N. Goranov.
Inst : Chemical Institute of Academy of Sciences of Bulgaria.
Title : Elaidination with Sulfur Containing Compounds.
1. Elaidination with Sodium Metabisulfite and Ammonium Pentasulfide.

Orig Pub: Izv. khim. in-t, B"lg. AN, 1957, 5, 143-158.

Abstract: It was found that at the elaidination of oleic and erucic acids, olive oil, joint mixture of fatty acids of rapeseed and olive oils (220°, from 3 to 20 hours) in the presence of 1 to 6% of alkali or

Card : 1/2

99

BULGARIA / Chemical Technology. Fats and Oils. Waxes. H
Soaps. Washing Agents. Flotation Reagents.

Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 75334.

Author : Rankov, Yovchev, Davidokova.
Inst : Not given.
Title : Investigation of Glyceride Oil Obtained from Coriander Seeds.

Orig Pub: Izv. khim. in-t Belg. AN, 1957, 5, 159-166.

Abstract: The glyceride oil (O) obtained in a 19% yield by the extraction of coriander seeds of anna-tive harvest in 1925 has a yellow-orange color, n³⁰D 1.4676, m. p. 17-19°C., acid number 5.1, saponification number 194, iodine number (IN) 84.5, thicyanogen number (TN) 72.4, Reichert - Meissl value 0.55, hexabrom value (HBV) traces, unaponified matter of 4.1%. The mixture of

Card 1/2

BULGARIA / Chemical Technology. Fats and Oils. waxes. H
Soaps. Washing agents. Flotation Reagents.

Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 75334.

Abstract: fatty acids of O has melting point of 24.5-25°C, n_D^{20} is 1.4598, neutralization value is 205.0, average molecular weight is 273.7, IN is 96.1, TN is 83.5, HBV is present in trace amounts, hydroxyacids are 0.62, solid acids (according to Twichell) = 41.2%, with IN of 84.1. The composition of mixture of solid acids (in %): saturated = 9.7, oleic - 38.5, linoleic acid = 14.0. It was pointed out that the properties of O obtained from seeds, after the essential oils have been separated from them, permit its use for soap preparation.

Card 2/2

51

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

Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 62576.

Author : G. Rankov, Ac. Popov, A. Yovchev.
Inst : Chemical Institute of Bulgarian Academy of Sciences.

Title : Methanol Content in Rakias and Method of Its Elimination.

Orig Pub: Izv. khim. in-t. B"lg. AN, 1957, 5, 167 - 182.

Abstract: Rakiyas produced by distillation of Wines or of fermented pulp or husk contain methanol (I) (0.6 to 6.7 ml per liter), which has formed at the hydrolysis of pectin. In order to eliminate I, rakiya is boiled 3 to 8 hours in a laboratory apparatus provided with a rectification column of glass at the reflux number = 3 ,

1/2

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

Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 62576.

Abstract: then a fraction is collected in the amount of
5% of the sample under treatment. The I con-
tent decreases with the increase of the boil-
ing duration. 2.5 to 4.5 hours later less
than 1 ml per liter of I remains in rakiya.
In order to eliminate I completely, it is nec-
essary to boil 6 to 8 hours. The available eq-
uipment of alcohol factories can be used for
the elimination of I after having the equip-
ment somewhat reconstructed.

Card 2/2

17

IOVCHEV, A.

BULGARIA/Fermentation Industry.

H.

Abs Jour : Ref Zhur - Khimiya, No 19, 1958, 65801

Author : Rankov G, Popov As, Iovchev A

Inst : -

Title : Comparative Study of Methods of Determination of Methanol in Vodka.

Orig Pub : Izv. khim. in-t, Bulg. AN. 1957, 5, 217-235.

Abstract : It was established that the Shriver method with the use of phenylhydrazine is sufficiently sensitive, but it is complicated and does not give reproducible results. The Shveytsarskiy method is suitable for the determination of large quantities of methanol (I), but is not suitable for the determination of small quantities. The method of determination by means of chromotropic acid permits the determination of I (with content ~ 3ml/l) within a range of 8-9%. It can be recommended for the determination of 0.01-8 ml/l of I in vodka,

Card 1/2

BULGARIA/Fermentation Industry.

H.

Abs Jour : Ref Zhur - Khimiya, No 19, 1958, 65801

which contains 40% ethanol. This method, with the use of fuchsin sulfurous acid, is easily executed and permits the determination of 0.4-40 ml/l of I in ordinary vodka.

Card 2/2

32

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

Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 62575.

Author : G. Rankov, Ac. Popov, A. Yovchev,
Inst : Chemical Institute of Bulgarian Academy of Sciences.

Title : Determination of Little Contents of Methanol in Rakiya.

Orig Pub: Izv. khim. in-t. B'lg. AN, 1957, 5, 291 - 320.

Abstract: A sample of the rakiya (5 ml) is diluted with water to render the ethanol content to 10%, 0.25 ml of phosphoric acid and 2 ml of 3%-ual KMnO_4 solution are added, all is shaken, 15 min later 1 ml of oxalic acid is added, shaken again, and 5 ml of H_2SO_4 (1 :3) is added to the

Card 1/2

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

Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 62575.

Abstract: transparent solution. 5 ml of Schiff's reagent is added after discoloration, the mixture is aged 3 hours at 30° and photometered.

Card 2/2

16

BULGARIA / Chemical Technology. Chemical Products and H
Their Applications. Fats and Oils. Waxes.
Soaps and Detergents. Flotation Agents.

Abs Jour: Ref Zhur-Khimiya, 1959, No 4, 13345.

Author : Lovchev, Atanas.

Inst : ~~Not given.~~

Title : Castor Oil and Its Use in Engineering.

Orig Pub: Priroda (Bolg.), 1957, 6, No 6, 57-59.

Abstract: Chemical composition and the properties and use
of castor oil as a medicinal and cosmetic agent,
lubricant, raw material for synthetic fragrant
properties, plastics, etc., are examined. --
C. Bonvech.

Card 1/1

BULGARIA/Chemical Technology. Chemical Products and Their Applications. Fats and Oils. Waxes. Soaps and Detergents. Flotation Agents.

II

Abs Jour: Ref Zhur-Khin., No 8, 1959, 29135.

Author : Rankov, G., Yovtchev, I., and Goranov, N.
Inst : Bulgarian Academy of Sciences.
Title : Note on the Elaidinization of Unsaturated Fatty Acids.

Orig Pub: Doklady Bulgar Akad Nauk, 10, No 2, 129-132 (1957)
(in German with a Russian summary)

Abstract: Contrary to the claim which has been made (West German patent No 894559; RZhKhin, 1955, 57083) that under given conditions of elaidinization with metabisulfites the possibility of free sulfur formation has been eliminated and that the metabisulfites therefore represent a completely new type of elaidinization

Card : 1/2

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BULGARIA/Chemical Technology. Chemical Products and Their
Applications. Fats and Oils. Waxes. Soaps and
Detergents. Flotation Agents.

II

Abs Jour: Ref Zhur-Khim., No 8, 1959, 29135.

catalyst, the authors of the article have shown that under the conditions indicated in the patent, the metabisulfite decomposes with the formation of free sulfur. Thus under the conditions indicated the catalyst promoting the claidinization is not the meta bisulfite but the free sulfur formed by its decomposition. -- I. Milovanova.

Card : 2/2

YOVCHEV, A.

BULGARIA/Chemical Technology - Chemical Products and Their Application, Part 3. - Fats and Oils, Waxes, Soaps, Detergents, Flotation Agents. H-25

Abs Jour : Ref Zhur - Khimiya, No 14, 1958, 48286

Author : G. Rankov, A. Yovchev, L. Davidkova

Inst : Academy of Sciences of Bulgaria.

Title : Investigation of Composition of Coriander Fruit Fatty Oil.

Orig Pub : Dokl. Bolg. AN, 1957, 10, No 2, 133-136

Abstract : It was established that the fatty oil of *Coriandrum sativum* L. (yield - 19%, melting point - 17 to 19°, $n_{D}^{30} = 1.4676$, acid number - 4.1, saponification number - 194, iodine number - 84.5, thiocyanate number - 72.4, Reichert-Meissl number - 0.55, hexabromide

Card 1/2

BULGARIA/Chemical Technology - Chemical Products and Their
Application, Part 3. - Fats and Oils, Waxes,
Soaps, Detergetns, Flotation Agents.

H-25

Abs Jour : Ref Zhur - Khiniya, No 14, 1958, 48286

number - 0) contains: 4.1% of unsaponifiable substan-
ces, 9.7% of saturated fatty acids, 37.8% of oleic acid,
38.5% of petroselinic acid and 14% of linoleic acid.

Card 2/2

3

YOVCHEV, A
COUNTRY : bulgaria h-27
CATEGORY :
ABS. JOUR. : RZKhim., No. 1959, No. 72900
AUTHOR : Rankov, G.; Popov, A.; Yovchev, A.
INST. : Bulgarian Academy of Sciences
TITLE : Removal of Methanol from Vodka. II. Effect of
Column Efficiency and Duration of Treatment
on Removal of Methanol.
ORIG. PUB. : Dokl. Bolg. AN, 1957, 10, No 3, 225-228
ABSTRACT : It was found that on treatment of vodka
containing 8-10 ml methanol per liter, the methanol content
decreases within 8 hours to about 1 ml/liter in a column of
10-12 theoretical plates, and to 0 ml/liter in a column of
16 theoretical plates. Part I see RZKhim, 1957, No 1,
2857. -- From Authors' Summary.

CARD: 1/1

85

1OVCHEV A. H-27

COUNTRY : Bulgaria

CATEGORY :

ABS. JOUR. : RZKhim., No. 21 1959, No. 76449

AUTHOR : Rankov, G., Popov, A., and Yovchev, A.

INST. : Bulgarian Academy of Sciences

TITLE : The Removal of Methanol from Brandy. III. Ef-
fect of the Concentration of Ethyl Alcohol on the
Removal of Methyl Alcohol

ORIG. PUB. : Doklady Bolg Akad Nauk, No 1, 29-32 (1958)

ABSTRACT : Water-alcohol mixtures with alcohol contents of
10-96 vol %, containing 3-9 ml/liter of methanol
(I), were treated for 4 and 6 hrs in a packed
laboratory column equivalent to 16 theoretical
plates. 5% of the volume of the mixture was
taken off as overhead, and the content of I in
the distillation residue was determined. The
highest degree of purification of the mixture
from I was attained with ethanol concentrations
of 30 to 50%. A reduction in the content of I
in beverage brandy from 8-10 ml/liter to less

CARD: 1/2

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