POPOLZIN, A.G.

Shukurkul' lake group in Kokchetav Province. Trudy Sekt.geog. AN Kazakh.SSR no.3:100-113 '59. (MIRA 12:7)
(Ruzayevskii District (Kokchetav Province)--Lakes)

SEMENOVA, Margarita Ivanovna; POPOLZIN, A.G., kand.geograf.nauk, otv.red.; KOLICHENKO, V.V., red.; ALFEROVA, P.F., tekhn.red.

[Nature and economy of South Kazakhstan Province; economic and geographical characteristics] Priroda i khoziaistvo IUzhno-Kazakhstanskoi oblasti; ekonomiko-geograficheskaia kharakteristika. Alma-Ata, Izd-vo Akad.nauk Kazakhskoi SSR, 1959. 143 p. (MIRA 13:1)

(South Kazakhstan Province--Economic conditions)

POPOLZIN, A.G.

Zonal typology of lakes in the southern part of the Ob'-Irtysh basin. Izv. Alt. otd. Geog. ob-va SSSR no.5:94-97 '65.
(MIRA 18:12)

1. Novosibirskiy pedagogicheskiy institut.

POPONOV, N.I.

Ways to improve the organization of work in wool spinning.
Tekst. prom. 25 no.12:9-12 D '65. (MIRA 19:1)

POPONEV, V., agronom; KALASHNIKOV, K,Ya,, kand.sel'skokhoz.nauk

Questions and answers. Zashch. rast. ot vred. i bol. 7 no.2:50 F '62. (MIRA 15:12)
(Pugachev District—Wheat—Diseases and pests)
(Pugachev District—Smuts)

BAKIROV, K.Kh.; CHIMBULATOV, M.A.; TUKHVATULLIN, R.K.; POPONIN, I.R.

Possibilities of using breas of western Kazakhstan for obtaining petroleums. Trudy Inst. nefti AN Kazakh.SSR 4:69-72 '61. (MIRA 16:4)
(Kazakhstan--Tar)

STRYUK, V.S.; MOROZOV, Yu.F.; POPONOVA, A.A., red.; BORISOVA, K.V., red.

[Exhibition on the subject "Rapid development workings in U.S.S.R. coal mines"; a guidebook] Tematicheskaia vystavka "Skorostnoe provedenie podgotovitel'nykh vyrabotok na ugol'nykh shakhtakh SSSR"; putevoditel'. Moskva, 1965. 88 p. (MIRA 18:7)

1. Moscow. Vystavka dostizheniy narodnogo khozyaystva SSSR. 2. TSentral'nyy nauchno-issledovatel'skiy institut informatsii i tekhniko-ekonomicheskikh issledovaniy ugol'noy promyshlennosti (for Pononova, Borisova).

IVANOV, M.M., prof.; PAVLOVSKIY, V.V., kand. veter. nauk; KIRILLOV, L.V., mladshiy nauchnyy sotrudnik; POPOTSENKO, A.S.

Persistence of serologic reactions in cows vaccinated against brucellosis. Veterinariia 38 no.7:33-37 Jl '61. (MIRA 16:8)

1. Gosudarstvennyy nauchno-kontrol'nyy institut veterinarnykh preparatov (for Kirillov). 2. Starshiy veterinarnyy vrach Upravleniya veterinarii Ministerstva sel'skogo khozyaystva Litovskoy SSR.
(Lithuania--Brucellosis in cattle--Preventive inoculation)
(Serum diagnosis)

POPOTSENKO, A. S., IVANOV, M. M., PAVLOVSKIY, V. V. and KIRILLOV, L. V. (Senior Veterinary Surgeon, Veterinary Administration of the Ministry of Agriculture of the Lithuanian SSR, Professor, Candidate of Veterinary Sciences and Junior Scientific Co-worker of GNKI [State Scientific Control Institute for Veterinary Preparations])

"Concerning the preservation of serological reactions in cows, vaccinated against brucellosis"

Veterinariya, Vol. 38, no. 7, July 1961, pp. 33

POPOUSEK, D.

Thermodynamic functions of diatomic molecules with doublet electrons. Coll Cz Chem 26 no.8:1909-1917 '61.

1. Institut der theoretischen und physikalischen Chemie, J.E.Purkyne Universitat, Brno.

B/007/62/000/002/011/012
D205/D307

AUTHOR: Popov, A.

TITLE: Detection of some accelerators from the thiuram group by paper chromatography

PERIODICAL: Referativnyy byulleten' Bolgarskoy nauchnoy literatury, Khimiya i khimicheskaya tekhnologiya, no. 2, 1962, 8, abstract 115, Doklady BAN, 15, 1962, book 2, pp 139-142 (In Ger., Rus summary)

TEXT: A method was developed for the separation and detection of some thiuram group accelerators by paper chromatography of the reversed phase. The experiments were conducted with tetramethylthiuram disulphide, tetramethylthiurammonium sulfide, with dimethyldithiocarbamate and diethyldithiocarbamate of Zn. Dekalin was used to impregnate the paper (stationary phase), and 30% CH_3COOH was the moving phase. The chromatographic spots of individual accelerators were color-developed by spraying the well-dried chromatograms with a solution of N-bromosuccinimide in CH_3COOH and wetting with alcoholic

Card 1/2

B/007/62/000/002/011/012
D205/D307

Detection of some accelerators ...

fluorescein. The spots were bright green on pink background. Sensitivity of this method is 3-5γ for each accelerator (Sofia, Bolgarskaya akademiya nauk, Institut organicheskoy khimii (Sofia, Bulgarian Academy of Sciences, Institute of Organic Chemistry)).
[Abstracter's note: Complete translation]

Card 2/2

BRIGADNOV, P.; CHERNIKOV, M.; POPOV, A.

U.S.S.R. at international exhibitions and fairs. Vnesh. torg. 42 no.8:20-21 '62. (MIRA 15:9)
(Smyrna—Exhibitions) (Damascus—Exhibitions)
(Leipzig—Exhibitions)

MOROZOV, A.; POPOV, A.; CHERVYAKOV, P.

What the U.S.S.R. will show abroad. Vnesh. torg. 42 no.10:38-39 '62.
(MIRA 15:10)

(Russia—Industries) (Exhibitions)

H-25

COUNTRY : Bulgaria
CATEGORY : Chemical Technology. Chemical Products and Their Applications--Fats and oils. Waxes. Soaps and* detergents. Flotation agents.
ABS. JOUR. : RZKhim., No. 16 1959, No. 58644

AUTHOR : Rankov, G., Popov, A., and Tchobanov, D.
INST. : Bulgarian Academy of Sciences
TITLE : Investigation of the Green Pigments in Fatty Oil from the Fruit of Pimpinella anisum L.

ORIG. PUB. : Doklady Bulg Akad Nauk, 11, No 1, 33-36 (1958)

ABSTRACT : Spectroscopic studies have shown that the green color of the fatty oil from the fruit of Pimpinella anisum L. is due to the presence of a pigment similar to chlorophyll and to the presence of products of the reaction of the oil with the copper apparatus. A procedure for the separation of the chlorophyll is given together with the IR spectrum.

S. Kustova

CARD: 1/1

POPOV, A.

Experience of cultivating Nicandra Physalodes Gartn. and investigating its seed oil. In German."

DOKLADY, Sofiia, Bulgaria, Vol. 11, no. 3, May/June 1958.

Monthly List of East European Accessions Index (EEAI), The Library of Congress, Volume 8, No. 8, August 1959.

Unclassified

POPOLZIN, A. G.

USSR/ Geography - Books

Card 1/1 : Pub. 123 - 17/17

Authors : Popolzin, A. G., Cand. Geogr. Sci.

Title : Kazakhstan. Popular physico-geographical outline

Periodical : Vest. AN Kaz.SSR 11/1, 124-127, Jan 1954

Abstract : Review of a book entitled, "Kazakhstan--Popular Physico-Geographical Outline", by N. N. Pal'gov, published by the State Publishing Office for Geographical Literature at Moscow in 1953. Some shortcomings are found in the book but generally it is considered good and very informative.

Institution : ...

Submitted : ...

POPOLZIN, A.G.

Lake Uly-kul' in Ryazayevka District; physicogeographical characteristics. Vop.geog.Kaz.no.2:116-132 '57. (MLRA 10:7)
(Uly-Kul', Lake)

POPOLZIN, A. G.

"First Geographical Conference of Kazakhstan".
Uch. zap. Kazakhsk. un-ta, 18, No 2, pp 95-100, 1954

The first joint conference of the Sector of Geography of the Academy of Sciences Kazakh SSR and Kazakh Affiliate of the Geographical Society USSR was held from 25 to 27 May 1953 in the city of Alma-Ata. The Institute of Borany, the Institute of Soil Science and Economics of the Academy of Sciences Kazakh SSR, the Hydromet Institute, the Kazakh State University, and other institutitions participated. Fourteen scietntifc reports were given, including: N. N. Pal'gov, "Next Tasks of Geographic Sciences in Kazakhstan"; B. Ya. Dvoskih, "Certain Problems of Economic Zoning of the USSR"; G. G. Muravlev, "Problems of Physicogeographical Zoning of Kazakhstan"; and A. Zh. Mashanov, "Possibliities of Use of Geodesic (Topographic) Method in Geography." (RZhGeol, No 9 1955)

SO: Sum No 812, 6 Feb 1956

POPOLZIN, A.G.

Physical geography of reclaimed virgin and idls lands in North Kazakhstan. Vop.geog.Kazakh. no.1:68-92 '56. (MLRA 9:11)
(Kazakhstan--Physical geography)

PoPoSil-F

Effect of radioisotopes sulfur-35 and phosphorus-32 on changes of biopotentials of roots. F. Pospíšil (Charles Univ., Prague). *Folia Biol.* 2, 112-15(1956)(in Russian) (English summary).—Addn. of P^{32} and S^{35} to the culture medium at 0.008–0.05 mc./10 ml. level results in the decline of the neg. potential of the roots of corn and sunflower plants. Doses about 0.1 mc. either raise the potential or drop it but slightly. 21 references. G. M. Kosolapoff

POPOV, A.

Engineer's work and the incentives of technological creativeness. Sots. trud 8 no.10:56-60 O '63. (MIRA 16:12)

1. Zamestitel' glavnogo energetika Novolipetskogo metallurgicheskogo zavoda.

POPOV, A.

Above the area of major chemical industrial complexes. Grazhd.av. 20 no.11:2 N '63. (MIRA 17:2)

1. Nachal'nik Moskovskogo territorial'nogo upravleniya Grazhdanskogo vozdushnogo flota.

POPOV, A., mekhanik-nastavnik

Complex automatic control on the steamer "Admiral Ushakov."
Rech. transp 22 no.9:32 S '63 (MIRA 16:10)

POPOV, A.A., mayor

Means of individual protection. Voen. znan. 39 no.5:35-36 My '63.
(MIRA 16:5)

(Clothing, Protective) (Gas masks)

POPOV, A., inzhener.

New machinery for railroads. Tekh.mol.23 no.10:11-14 O '55. (MLRA 9:4)
(Railroad--Track)

POPOV, A.; SAGARADZE, V.; KHORZHVA, S.; VOSTRIKOVOY, Ye.

Diagrams of isothermal decomposition of austenite in steel alloys used for dies. Appendix. Metalloved.i obr.met. no.4: 61-64 O '55. (MLRA 9:3)

(Austenite)

Popov A

Bulgarian tall oil. G. Rankov, A. Popov, and D. Chobanov. *Compt. rend. akad. bulgare sci.* 7, No. 3, 45-8(1954); (Pub. 1955)(in German).—The Bulgarian tall oil contains 38.9% 8.9% unsaponifiable compds., 3.7% oxidized acids, 38.9% resinous, and 49.3% fatty acids (I). I contain 25% oleic acid, 64.7% linoleic acid, and 9.7% satd. I. The iodine no. is 140.1 and the Rhodan no. 81.5. They do not contain linolenic acid.

M. Charnoudarian

SOV/2-58-12-9/19

AUTHOR: Popov, A., Head of the Section

TITLE: Sovkhozes Should Be Better Provided With Statistical Materials (Luchshe obespechivat' sovnarkhozy statisticheskimi materialami)

PERIODICAL: Vestnik statistiki, 1958, Nr 12, pp 55 - 56 (USSR)

ABSTRACT: In his letter to the editor, the author demands that the Boards of Statistics supply the sovnarkhozes with worked-out statistical materials on all branches of production to ensure better planning.

ASSOCIATION: Planovo-ekonomicheskiy otdel Rostovskogo-na-Donu sovnarkhoza (Planning and Economic Section of the Rostov-na-Donu Sovnarkhoz)

Card 1/1

POPOV, A.

"Question of improving the tare coefficient in the construction of passenger railroad cars in Bulgaria."

p. 29. (Transportno Delo, Vol. 10, No. 4, 1958, Sofiia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 12, Dec 58

PENCHEV, Iv., prof.; POPOV, Al.; KOLAROV, Pan.; ANDREYEV, Dim. (Sofiya)

Sulfanil urea therapy of diabetes mellitus [with summary in English]. Probl.endok. i gorm. 4 no.6:20-28 N-D '58. (MIRA 12:2)

1. Iz kliniki vnutrennikh bolezney s endokrinologiyey i bolezney obmena veshchestv Instituta usovershenstvovaniya i spetsializatsii vrachey (dir. prof. Iv. Penchev).
(ANTIDIABETICS, ther. use,
sulfanilylurea (Rus))

SOV/137-59-2-2444

Translation from: Referativnyy zhurnal, Metallurgiya, 1959, Nr 2, p 29 (USSR)

AUTHORS: Popov, A., Ishmukhamedov, I.

TITLE: Some Problems of the Operation of a Metallurgical Plant (Nekotoryye voprosy ekspluatatsii metallurgicheskogo zavoda)

PERIODICAL: Narodnoye kh-vo Kazakhstana, 1958, Nr 5, pp 29-31

ABSTRACT: The authors explore the prospects of the construction of a Karaganda metallurgical plant, which would have to operate with high technical-economical performance indices, namely, a volumetric utilization factor of the blast furnaces of 0.75 and an 11.5-ton production of steel per m^2 of floor area of open-hearth furnaces. A number of problems will have to be solved by the plant metallurgists for the first time; therefore, it is proposed that organization of a Scientific Research Institute of ferrous metallurgy in Karaganda would be necessary. To ensure a supply of Fe ore for the plant, the Ken'-Tube mines and Antonsor deposits should be developed as well as the "Atasuyskiy" [Probably typographical error in Russian original, to read correctly "Atasuskiy" (48° N; 71° E); Transl. Ed. Note] deposits. The coal mixtures which would have to be used by the plant during the

Card 1/2

SOV/137-59-2-2444

Some Problems of the Operation of a Metallurgical Plant

first years should be tested for coking quality. The refractory shop should master the production of Cr-magnesite refractories using local raw materials

M P

Card 2/2

DUBROV, N.; POPOV, A.

Scientists take part in the training of specialists. NTO 5 no.10: 48-49 O '63. (MIRA 17:1)

1. Predsedatel' soveta nauchno-tekhnicheskogo obshchestva Ural'skogo nauchno-issledovatel'skogo instituta chernykh metallov (for Dubrov).
2. Rukovoditel' sektora tekhnicheskoy propagandy i pechati soveta nauchno-tekhnicheskogo obshchestva Ural'skogo nauchno-issledovatel'skogo instituta chernykh metallov (for Popov).

POPOV, A.

"Basic Lining for Cupolas." Tr. from the Russian. p.167
(PRZEGLAD ODLEWNICTWA Vol. 3, no. 5, May 1953 Krakow, Poland)

SO: Monthly List of East European Accessions, LC, Vol. 3, no. 5, May 1954/Uncl.

POPOV, A.

"Iron for Cold Casting." Tr. from the Russian. p.165
(PRZEGLAD ODLEWNICTWA Vol. 3, no. 5, May 1953 Krakow, Poland)

SO: Monthly List of East European Accessions, LC, Vol. 3, no. 5, May 1954/Uncl.

POPOV, A.; KARABASHEV, N.; GULUBOV, S.; KARABASHEVA, T.

Investigations on immunogenic and toxinogenic properties of Salmonella typhosa. Izv. Mikrob. inst., Sofia no.9:175-181 1958.

(ULTRASONICS, effects,
on Salmonella typhosa & Shigella dysenteriae (Bul))
(SALMONELLA TYPHOSA, effect of radiations,
ultrasonics (Bul))
(SHIGELLA DYSENTERIAE, effect of radiations,
same)

POPOV, A.

Pervye shagi Politotdela na magistrali Moskva-Donbass. [The first steps of the Political Department on the Moscow-Donbas trunk line]. (Sots. transport, 1934, no.1, p. 12-20). DLC: HE7.S6

Severo-Donetskaia zheleznaia doroga. [North-Donets railway]. (In Kratkii teknicheskii zheleznodorozhnyi slovar. Moskva, 1946, p. 455-456). DLC: TF9.D75 1946

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

POPOV, A.

Za vysokii urozhai makhorki (For high yields of makhorka). Tambov, Tambovskaia pravda, 1951, 32 p.

SO: Monthly List of Russian Accessions, Vol 6, No. 3, June 1953

S/169/62/000/012/070/095
D228/D307

AUTHOR: Popov, A.

TITLE: Solar radiation in the Krasnoyarskiy kray in the growing season (three-year observations)

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 12, 1962, 67, abstract 12B430 (Tr. Krasnoyarskogo, s.-x. in-ta, 8, 1962, 264-268)

TEXT: The values of the monthly amounts of total and scattered solar radiation are given, calculated from observational material.
[Abstracter's note: Complete translation]

Card 1/1

POPOV, A.

Change in the composition of fat of Citellus citellus under the influence of climatic changes. G. Rankov, G. Paspalev, A. Popov, and Z. Pralev (Univ. Sofia). *Compt. rend. acad. bulgare sci.*, 8, No. 1, 37-40(1955) (In German).—Samples of subcutaneous and visceral fat taken from *C. citellus* living at altitudes of 100 to 1800 m. were analyzed. With increasing altitude there was an increase in n_D^{20} (1.4620 to 1.4670) and in I no. (73 to 122). The animals at the higher altitudes had been exposed to lower temps. and to greater temp. differences between night and day.

P. L. Estes

Popov, A.

DUL 6.

The fat from the spermophile, Citellus citellus. G. Rankov and A. Popov (Bulgarian Acad. Sci., Sofia). *Compt. rend. acad. bulgare sci.* 7, No. 1, 9-12(1954)(in German).—The body fat (organ fat similar compn.) is liquid at room temp., f.p. 3-4°, n^{20} 1.4620, acid no. 3.5, sapon. no. 190.5, I no. 69.4, CNS no 65.0, acetyl no. 2.5, Reichert-Meissl no. 4.8, Polenske no. 1.6, and contains oleic acid 67.4, linoleic acid 4.0, palmitic and stearic acids 22.8, glycerol 4.5, and unsaponifiable matter 0.4%. Cooling to 10-15° causes sepn. of satd. glycerides and leaves nearly pure triolein.

A. W. Schrecker

POPOV, A.

Kolkhoz "Udarnik": Kolkhoz "Udarnik"; a sketch on production and economy. Moskva, Gos. izd-vo kolkhoznoi i sovkhoznoi lit-ry, 1934. 63 p.

POPOV, A., inzhener; DUBL', B., inzhener.

New tachniques for the repair of K6TS-54/90 engines. Mor.flot 16 no.10:17-18 O '56. (MLRA 9:11)

1. Zavod imeni Zakhfederatsii, Baku.
(Baku--Marine engines--Repairing)

POPOV, A.

POPOV, A. Alkyd resins from 1-phenylnaphthalene-2, 3-dicarboxylic acid. II. Alkyd resins and lacquers modified with linseed or sunflower oil.
p. 125 VOL. 3 1955 IZVESTILA. Sofiia, Bulgaria

SOURCE: East European Accessions List (EEAL) Vol. 6 No. 4 April 1957

POPOV, A.

POPOV, A. Chromatographic discovery of small amounts of copper in spirits obtained by distillation. p. 199. Vol. 3, 1955 IZVESTILA. Sofiia Bulgaria

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

POPOV,,inzhener; SIMONOV, M., inzhener.

Filters for clarification of fats. Mias.ind.SSSR 28 no.1:12-13 '57. (MLRA 10:3)

1. Kislovodskiy myasokombinat.
(Oils and fats, Edible) (Filters and filtration)

2236 POPOV, A. AND SUKHOREBRYY G.

Nekotor'ye Boprssy Organizatsii Rabot V Vinogradarstve. (Kolkhoz "Biruintsa" Kishch Inevskogo Rayona). Kishinev, Moldavgiz, 1954. 16s. 16sm. (Glav. UPR. s. kh. Propagandy M-Va Sel'skogo Khozyaystva Moldav. SSR.B-Ka Kolkhoznika). 3.000 EKZ. 15 k.--Na Moldav Yaz.-
(54-56058)

634.8 : 631.15 (47.75)

POPOV, A., Iz.

Pleuropulmonary reflexes and treatment of resistant cavitations with pneumothorax. Suvrem. med., Sofia 7 no.7:31-40 1956.

1. Iz Okruzhniia tubdispanser-Burgas.
(PNEUMOTHORAX, ARTIFICIAL
pleuropulm. reflexes in)
(PLEURA, physiol.
pleuropulm. reflexes in artif. pneumothorax)
(LUNGS, physiol.
same)

POPOV, A.

Assembly-line method of repairing freight cars in deopts.
Zhel.dor.transp. 36 no.3:70-74 Mr '55. (MIRA 12:5)
(Railroads--Freight cars--Maintenance and repair)

COUNTRY : Bulgaria
CATEGORY : Microbiology

ABS. JOUR. : Ref Zhur-Biologiya, No.4, 1959, No. 14878

AUTHOR : Popov, A.; Galabov, S.; Karabaschev, N.; Karabacheva, T.
INST. : Bulgarian AS
TITLE : Experiments on the Testing of Immunological and Toxic Properties of Typhoid and Dysentery Bacteria Treated with Ultrasonic Waves.

ORIG. PUB. : Dokl.Bolg. AN, 1957, 10, No.5, 403-406

ABSTRACT : From cultures of an 18 - 24-hour growth of a strain of Flexner "Fl 856" and typhoid "Ty 2 smooth" suspensions were prepared in physiological solution according to the proportion of 1 milliard organisms in 1 ml, and they were subjected to the influence of US waves for 60 minutes. The test for immunogenicity and toxicity of the ultrasonic suspensions (US) was conducted in mice by the technique used for the testing of the original suspensions in the

CARD: 1/2

POPOV, A.

Among the coal miners of Ostrava. Mast. ugl. 8 no.7:26 Jl '59. (MIRA 12:10)

1. Predsedatel' Kemerovskogo oblsovprofa.
(Czechoslovakia--Coal miners)

POPOV, A.

85-58-6-14/43

AUTHOR: Popov, A.

TITLE: An Evening With the Aeroclub's Students (Vystupayut vospitanniki aerokluba)

PERIODICAL: Kryl'ya rodiny, 1958, Nr 6, p 8 (USSR)

ABSTRACT: The author tells of an evening spent by students and sportsmen of an aeroclub with visiting pilots. Personalities mentioned include chief of the aeroclub for political affairs Vanin and Hero of the Soviet Union V. Sorokin.

1. Civil aviation--USSR 2. Aviation personnel

Card 1/1

PENCHEV, Iv.; POPOV, A.; TSANEV, A.

Recurrent adrenal carcinoma with periodic restoration of pilosity in total alopecia. Suvrem med., Sofia no.4:106-111 '60.

1. Iz Katedrata po endokrinologiia i bolesti na obmianata ISUL (Rukov. na katedrata: prof. Iv. Penchev)
(ALOPECIA etiol)
(CUSHING SYNDROME case reports)

POPOV, A., LEDOVA, N., starshiy ekonomist

Brigades and shock workers of communist labor at enterprises and grain procurement stations of the Ministry of Cereal Products of the R.S.F.S.R. Muk.-elev.prom. 26 no.2:3-5 F '60. (MIRA 13:6)

1. Ministerstvo khleboproduktov RSFSR. 2. Zamestitel' nachal'nika planovo-ekonomicheskogo i finansovogo upravleniya Ministerstva khleboproduktov RSFSR (for Popov).
(Grain elevators)

POPOV, A.

Techniques in using ventilating apparatus with filters. Voen. znan. 35 no.6:25 Je '59. (MIRA 12:12)
(Air filters) (Air raid shelters--Heating and ventilation)

MIKHAYLOV, V., prof.; POPOV, A., kand. tekhn. nauk; BURDENKOVA, Z., kand. tekhn. nauk

Self-stressed reinforced concrete pressure pipes. Stroitel' no.9:26 S '60. (MIRA 13:9)
(Pipe, Concrete)

POPOV, Al., starshi asistent

Effect of reinforced physiological sleep on the development of diabetes mellitus. Nauch. tr. ISUL, Sofia 2 no.1:107-127 1953.

1. Klinika po vutreshni bolesti s obmiana na veshchestvata i endokrinologiia. Direktor: prof. Iv. Penchev.

(DIABETES MELLITUS, therapy,
sleep ther.)
(SLEEP, therapeutic use,
diabetes mellitus.)

POPOV, Al., starshi asistent.

Conditioned reflex mechanism of insulin in diabetes. Nauch. tr. ISUL, Sofia 2 no.1:129-145 1953.

1. Klinika po vutreshni bolesti s obmiana na veshchestvata i endokrinologiia Direktor: prof. Iv. Penchev.

(DIABETES MELLITUS, therapy,
insulin, conditioned reflex mechanism of action.)
(INSULIN, therapeutic use,
diabetes mellitus, conditioned reflex mechanism of action.)
(REFLEX, CONDITIONED,
conditioned eff. of insulin in diabetes mellitus.)

TANEV, Iv.; POPOV, An.; TODOROV, M.; ZHELIAZKOV, S.; SHUBAROV, K.; RANGELOVA, St.; LIUTSKANOV, St.

Differential diagnosis of suspected cases of poliomyelitis. Nauch. tr. vissh. med. inst. Sofia 40 no.3:147-160 '61.

1. Predstavena ot prof. P. Verbev, rukovoditel na Katedrata po infektsiozni bolesti i epidemiologiia. Direktor na klinikata: prof. Iv. Tanev.

(POLIOMYELITIS diag)

POPOV, A. (g.Zhdanov)

With a motion-picture camera on a construction yard. NTO no.2:44-45 F '59. (MIRA 12:2)
(Zhdanov--Metallurgical plants)

KRIMERMAN, P.; POPOV, A.

Czechoslovak photographic enlarging apparatus. Sov.foto 19 no.11:68-69 N '59. (MIRA 13:4)
(Czechoslovakia--Photography--Enlarging)

POPOV, Aleksey

"Moneron Island." Nauka i zhizn' 30 no.4:110-112 Ap '63.
(MIRA 16:7)

(Moneron Island--Motion picture photography, Submarine)

Sov/85-58-8-26/40

AUTHOR: Popov, A., Chief Judge for Contests (Grachevka, Orenburgskaya oblast')

TITLE: Rural Designers of "Little Aviation" (U sel'skikh konstruktorov "maloy aviatsii")

PERIODICAL: Kryl'ya rodiny, 1958, Nr 8, p 21 (USSR)

ABSTRACT: The author tells of the training which pioneer members and school children receive in model-aircraft building, and describes their competitive games.

Card 1/1

Popov, A.

85-58-1-23/28

AUTHORS: Akopov, A. and Popov, A.

TITLE: Decontamination of Aviation Materiel (Dezaktivatsiya aviatsionnoy tekhniki)

PERIODICAL: Kryl'ya rodiny, 1958, 9- Nr 1, p 31 (USSR)

ABSTRACT: The authors state that modern warfare may expose aviation materiel to the action of radioactive substances. While this may not affect the quality of the materiel or the flying capacity of airplanes, heavy contamination presents a threat to peoples' lives. It is therefore imperative to decontaminate combat material and remove radioactive substances and dust from surfaces as soon as possible. Not all decontamination agents are suitable for aviation materiel, some being harmful to aircraft alloys or other surfaces. Decontamination methods depend upon the type of contamination, the availability of certain facilities, weather conditions, and the season.

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85-58-1-23/28

Decontamination of Aviation Materiel

Decontamination may be carried out on a complete scale or partially; in the latter case complete decontamination of the plane must follow at the first opportunity. The authors discuss methods and procedure used in decontaminating a plane, the need for protective clothing and warning signs, and the importance of closing off the contaminated area. They also recommend that planes be protected with canvas covers or other available material (grass, straw, brush), and that cockpit canopies, doors and portholes be kept closed. Optical instruments, radio communication and electrical equipment should be safeguarded from radioactive contamination in every way possible.

AVAILABLE: Library of Congress

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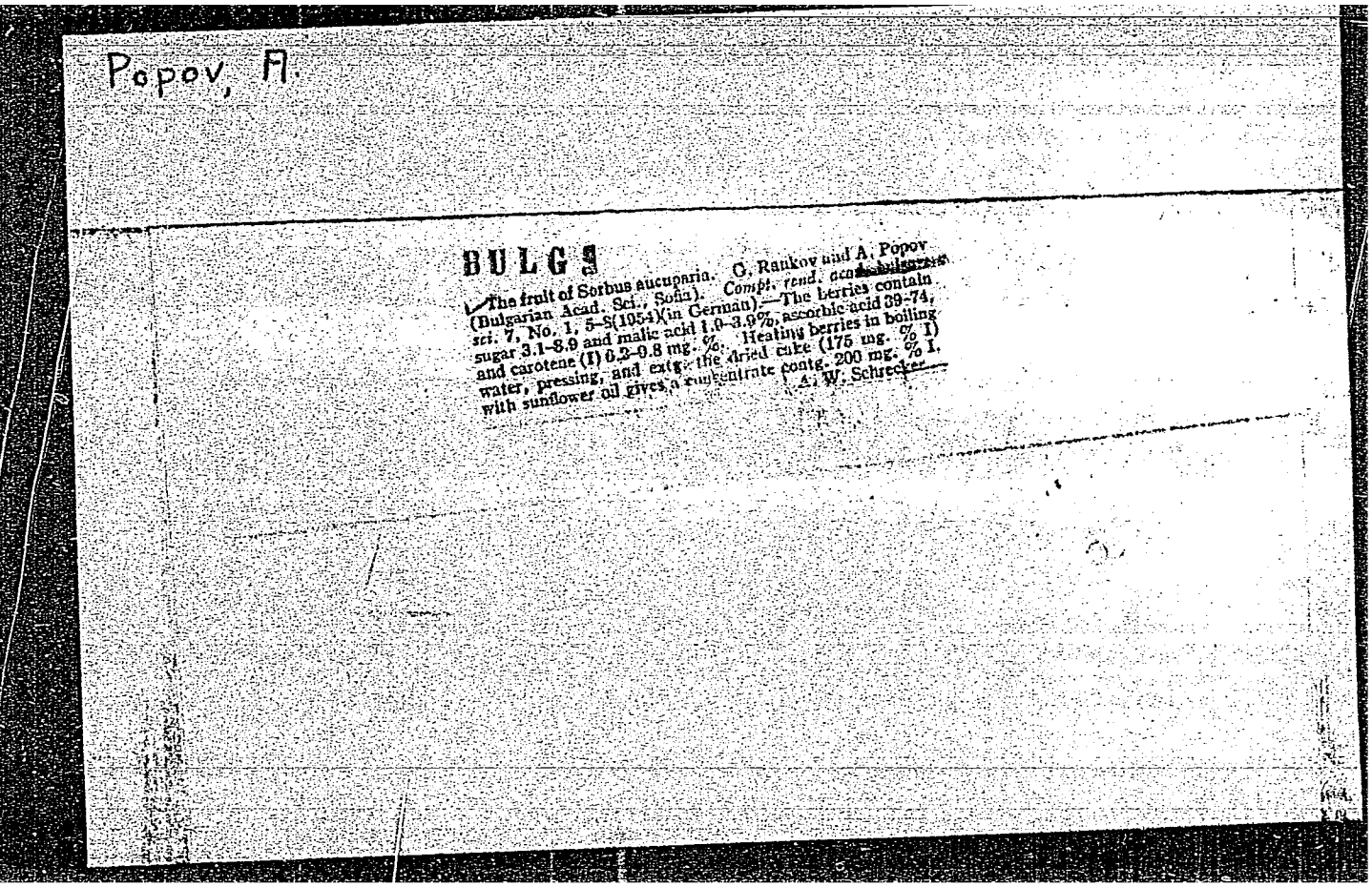


Popov, A.

BULG

The fruit of Sorbus aucuparia. G. Rankov and A. Popov (Bulgarian Acad. Sci., Sofia). *Compt. rend. acad. bulgare sci.* 7, No. 1, 5–8(1954)(in German).—The berries contain sugar 3.1–8.9 and malic acid 1.0–3.9%, ascorbic acid 39–74, and carotene (I) 0.2–0.8 mg. %. Heating berries in boiling water, pressing, and extg. the dried cake (175 mg. % I) with sunflower oil gives a concentrate contg. 200 mg. % I. A. W. Schrecker

POPOV, A.

POPOV, A. Reasearch on the fruit of Pi-rus aucuparia Gartn. p. 183
Vol. 3, 1955 IZVESTILA. Sofiia, Bulgaria

SOURCE: East European Accessions List (EEAL) Vol. 6 No. 4, April 1957

POPOV, A.

"Viticulture at the Biruintsa Kolkhoz."

p. 28 (Kooperativno Zemedelie, No. 7, July 1958, Sofiia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 11, Nov. 1958

POPOV, Aleksandur, arkh.

Industrialization of flat roof production. Stroitelstvo 9 no.6:23-25 N-D '62.

POPOV, A.; RANKOV, G.

"Producing 1-Phenylnaphthalene-2, 3-Dicarbonic Acid anhydride by Heating the Solution of Phenylpropiolic Acid in Benzol, Toluol, or Xylol in the Presence of Acetic Anhydride," p. 35. (DOKLADY, Vol. 3, no. 2/3, Apr./Dec. 1950 /Published 1951/. Sofiya, Bulgaria.)

So: Monthly List of East European Accessions, Vol. 3, No. 5, May 1954/Unclassified

POPOV, A.; RANKOV, G.

"Producing 1-Phenylnaphthalene-2, 3-Dicarbonic Acid Anhydride by Heating Phenylpropiolic Acid." p. 31. (DOKLADY, Vol. 3, no. 2/3, Apr./Dec. 1950 /Published 1951/. Sofiya, Bulgaria.)

So: Monthly List of East European Accessions, Vol. 3, No. 5, May 1954/Unclassified

POPOV, A.; RANKOV, G.

"Investigation of Complex Methyl Ether 1-Phenyl-naphthalene-2, 3-Dicarbonic Acid." p. 39. (DOKLADY, Vol. 3, no. 2/3, Apr./Dec. 1950 /Published 1951/. Sofiya, Bulgaria.)

So: Monthly List of East European Accessions, Vol. 3, No. 5, May 1954/Unclassified

POPOV, A.

POPOV, A. Alkyd resins from 1-pheyl-naphthalen-2, 3-dicarboxylic acid. II Esterification of anhydride of 1-phenyl-naphthalene-2, 3-dicarboxylic acid wigh glycerin. p. 91 Vol. 3 1955 IZVESTILA. Sofiia, Bulgaria,

SOURCE: East European Accessions List (EEAL) Vol. 6 No. 4 April 1957

POPOV, A.

Chem

The oil from ramie seeds (Boehmeria nivea). A. Popov and St. Ivanov (Bulgar. Acad. Sci., Sofia). *Compt. rend. acad. bulgare sci.* 8, No. 2, 17-20(1955)(in German).—The seeds of five succeeding crops were analyzed for moisture, fat, protein, cellulose, N-free ext., and ash contents. The oil extd. with benzine was also analyzed and tested for the usual oil characteristics. It contained oleic and linoleic acids but no linolenic acid. It had a high free fatty acid content and it was therefore unsuitable for varnish manuf., but it could be used in modified alkyd resins. P. Larose

2

Popov A.

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

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 816

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

Institution: Bulgarian Academy of Sciences

Title: The Elaidinization of Oleic Acid with Nitroethane

Original Periodical: Dokl. Bolgar. AN, 1955, Vol 8, No 2, 37-40 (published in German with a Russian summary)

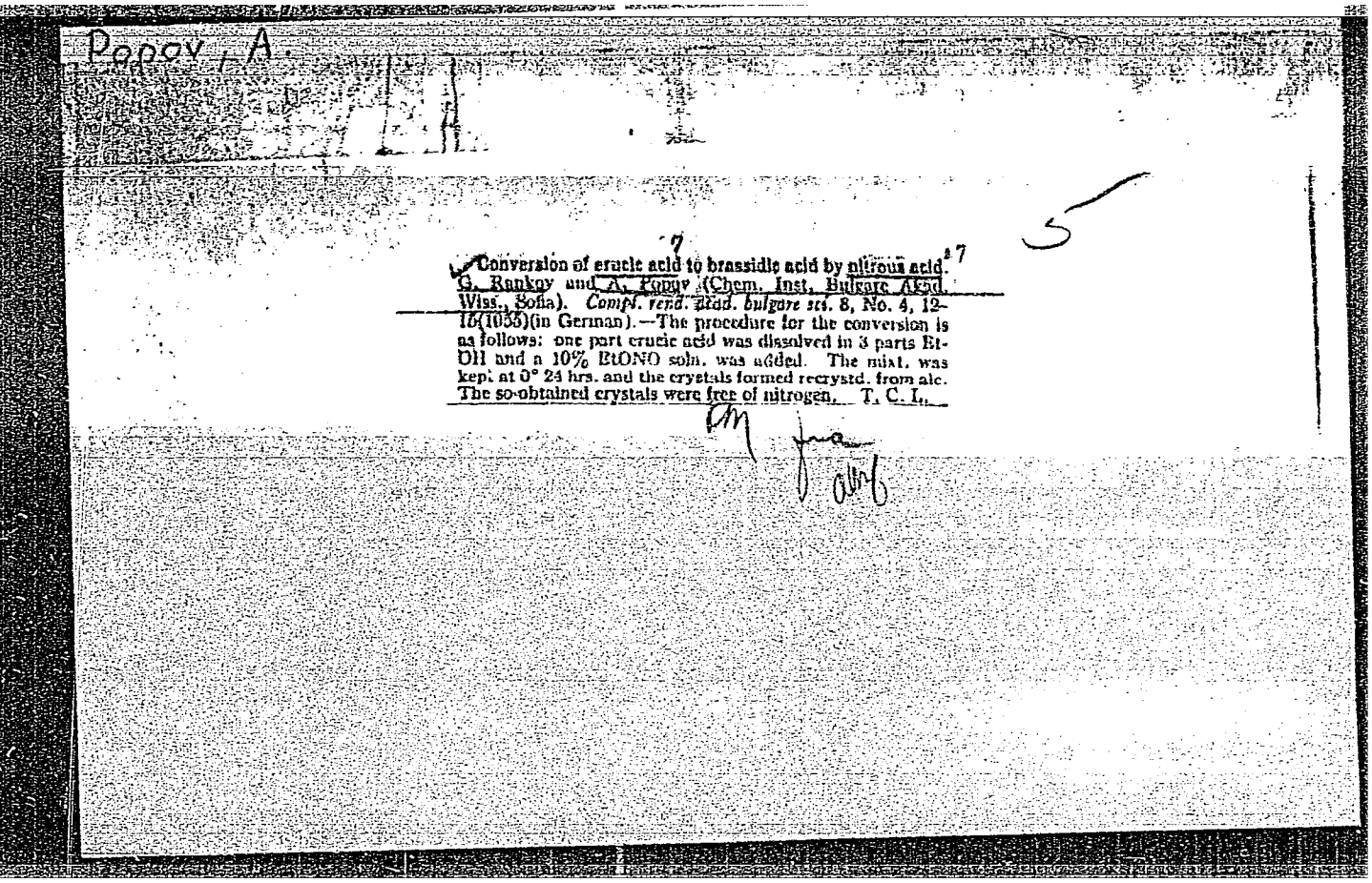
Abstract: A method is proposed for the conversion of oleic acid (I) into elaidic acid (II) by reaction with nitroethane (III). The reaction proceeds slowly when small amounts of I are used. The yield of additional products is considerably smaller (1.4-16%) than when HNO_2 or oxides of nitrogen are used (3.9-67.3%). I is dissolved in double the amount of alcohol, and 10% of III are added (based on I); the pure [sic] or alcoholic solution is allowed to stand for 24 hours at 0°. The yield of III is 50-55% (from alcohol), mp 44.4°, iodine number 89.5.

Card 1/1

Popov, A

Determination of small amounts of methyl alcohol in ethyl alcohol and fruit brandies by the method of Denigès. G. Rankov, A. Popov, and A. Iovchev (Bulgar. Akad. Wiss., Sofia). *Compt. rend. acad. bulgare sci.* 8, No. 2, 53-6 (1955)(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 15 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 ± 1° for 3 hrs. and then measure with a photoelectrocolorimeter FEK-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 ±5-7%. L. Lange

3



Popov, A.

7

Conversion of erucic acid to brassidic acid by nitrous acid. G. Rankov and A. Popov (Chem. Inst., Bulgare Akad. Wiss., Sofia). *Compt. rend. Acad. bulgare sci.* 8, No. 4, 12-15(1955)(in German).—The procedure for the conversion is as follows: one part erucic acid was dissolved in 3 parts EtOH and a 10% EtONO soln. was added. The mixt. was kept at 0° 24 hrs. and the crystals formed recrystd. from alc. The so-obtained crystals were free of nitrogen. T. C. I.

POPOV, A.

POPOV, A. OBTAINING ALKYD RESIN ONLY ON THE BASIS OF FAT. IN GERMAN
p. 43. Vol. 9. no. 1, Jan./Mar. 1956. DOKLADY, Sofiia, Bulgaria

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4, April 1957

POPOV, A.

POPOV, A. Effect of the so-called ester peroxide on oils containing unsaturated fatty acid. In Russian. p.51. Vol. 9, no. 1, Jan./Mar. 1956
DOKLADY., Sofiia, Bugaria

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4 April 1957

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 =) ,

1/2

BULGARIA / Cultivated Plants. Technical. M-5

Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 6374

Author : Mazhdrakov, N.; Popov, As.
Inst : Chemical Institute, Bulgarian Acad. of Science
Title : Field Experiments with Oenothera Lamarckina Ser. and Chemical Analyses of Oil Obtained From Its Seeds

Orig Pub : Izv. Khim. in-ta Bulg. AN, 1957, 5, 209-216

Abstract : Biennal plants produce 200 - 250 kg/ha of seeds with 22 - 25% oil contents. Their oil occupies an intermediate position between siccative and semi-siccative oils and can be utilized as a replacement for the preparation of drying oil and varnishes.

Card 1/1

POPOV, A.; IVANOV, S.

"Investigation of the seeds and the oil of some species of the cocklebur genus Xanthium L. "

p. 377 (Izvestiia, Vol. 5, 1957, Sofiia, Bulgaria)

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

POPOV, A.

The estimation of methanol in ethanol-water mixtures in the presence of other volatile materials. G. Rankov, A. Popov, and A. Iovchev. *Compt. rend. acad. bulgare sci.*, 11, 49-52(1958)(in German).—Denigès method for the estn. of MeOH by oxidn. to HCHO and detn. with Schiff's reagent or with chromotropic acid failed to give accurate and reproducible results if the sample contained volatile materials such as ester, acetaldehyde, and higher alcs. Dilin. with EtOH free of I to approx. 1% volatile substances renders the method reliable. A method for the prepn. of EtOH free from MeOH is given (*C.A.* 54, 1799g). EtOH (500 ml., of ordinary purity) and a soln. of 1 g. NaOH and 0.3 g. $KMnO_4$ in 500 ml. H_2O was placed in a flask equipped with a jacketed column (100 cm. high, contg. small Cu wire cylinders 4 by 5 mm.) which was heated with water at 70° and carried a condensing head and a condenser. The flask was heated in a glycerol bath (108–100°) for 8 hrs. then 50 ml. contg. most of the MeOH was slowly distd. Refluxing for 8 hrs. was then repeated. Another 50 ml. was distd. It contained only traces of MeOH, leaving EtOH free of MeOH in the flask, from which 350 ml. was distd.

H. Vellin—

Popov, A

B-27

COUNTRY : Bulgaria
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 RZhKhim, 1957, No 1, 2857. -- From Authors' Summary.

CARD: 1/1

55

POPOV, A.

"Possibilities of utilizing some wofattis for eliminating the copper from alcoholic beverages produced by distillation. In Russian."

DOKLADY, Sofiia, Bulgaria, Vol. 11, no. 2, Mar./Apr. 1958.

Monthly list of East Europe Accessions (EEAI), LC, Vol. 8, No. 6, Sept. Jun 59 Unclas

Popov, A; Iovchev, A; Rankov, G.

"Eliminating the methyl alcohol from raki IV. Concerning the composition and possibility of utilizing the distillate. In German."

DOKLADY, Sofiia, Bulgaria, Vol. 11, no. 2, Mar./Apr. 1958

Monthly list of East Europe Accessions (EEAI), LC, Vol. 8, No. 6, Sept 59
Unclas

H

COUNTRY : BULGARIA
CATEGORY : Chemical Technology. Chemical Products and Their Applications. Fermentation Industry
ABS. JOUR. : RZKhim., No. 23 1959, No. 83783

AUTHOR : Rankov, G.; Ponov, A.; Yovchev, A.
INST. : Khim. Inst. Bulg. Acad of Science
TITLE : A Method of Removing Methyl Alcohol from Vodkas (Rakija) on a Commercial Scale

ORIG. PUB. : Izv. Khim. in-t Bulg. Acad. of Science

ABSTRACT : A method was developed in accordance with which a still is charged with 2000-3000 ℓ of vodka (rakija) followed by heating with steam up to boiling point for a period of time (approx. 8 hours), during which the rectifying column, which operates with infinite reflux ratio, is enriched with 93-95% ethyl alcohol while all of methyl alcohol (I) is transferred into the column. I tends to concentrate in the first half of distillate, the total quantity of which reaches 5% basis

CARD: 1/2

H - 101

POPOV, As.; IVANOV, St.

Research on a fat which had stayed a long time on the bottom of the sea. Izv Inst khim BAN 7:341-349 '60. (KEAI 10:9)

1. Khimicheski institut pri BAN, Institut po Khranitelna; vkusova promishlenost.

(Oils and fats)

POPOV, As.; GUDEVA, V.

Chromatographic solution of certain accelerators and age resistors for the rubber industry. Izv Inst khim BAN 7:351-377 '60. (KEAI 10:9)

1. Khimicheski institut pri BAN.

(Chromatography) (Rubber)

S/081/61/000/019/031/085
B110/B138

AUTHORS: Popov, A., Gydeva, V.

TITLE: Use of precipitation chromatography for the detection of some benzothiazole derivatives

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 19, 1961, 128, abstract 19D142 (Dokl. Bolg. AN, v. 13, no. 4, 1960, 411-414)

TEXT: A method is proposed for the detection of the vulcanization accelerators (VA) of dibenzothiazole disulfide (Altax) (I), the Zn salts of mercaptobenzothiazole (Vulkazit ZM) (II), N-cyclohexyl-2-benzothiazole sulfenamide (centocure) (III), N-diethyl-2-benzothiazole sulfenamide (sulfenamide BT) (IV), and of the antoxidant mercaptobenzimidazole (V) by conversion (except V) to mercaptobenzothiazole (captax) (VI) and by application of precipitation chromatography of VI in columns with $Bi(NO_3)_3$ (VII) or $CoCl_2$ (VIII). In the case of I, III and IV 0.1-0.2 g. VA is placed in a flask to which are added 45 ml 96 % ethyl alcohol and 5 ml 36 % HCl. The mixture is then boiled for 1 hour connected to a reflux condenser and then, after connecting to a direct condenser, the

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Use of precipitation chromatography...

major part of the ethanol is distilled off. The remaining mixture is divided into two. 10-20 ml water is added to one half and it is extracted with 10 ml C_6H_6. The mixture is washed in water until the reaction is neutral, dried over Na_2SO_4 and passed through the column together with VII. If VI is present a yellowy-orange zone is formed. 1-2 ml of the second half is placed in a beaker, a 10 % NaOH solution is added until an alkaline reaction is obtained and the mixture is brought to the boil. If there is no alkaline reaction this means that I is present. To detect di-ethyl-amine (case IV) a sample of the hydrolisate is leached in a Na_2CO_3 solution and a few drops of freshly prepared 10 % solution of sodium nitroprusside are added. This contains 10 % acetaldehyde (a pale violet colour). If the test specimen contains any VI, this is first eliminated. This is done by extracting 10-20 ml of the solution of the VA sample in C_6H_6 with a 5 % solution of KOH (2·10 ml), washing the solution in C_6H_6 until a neutral reaction occurs, and drying it over Na_2SO_4. The resulting solution is placed in a 100 ml flask, the C_6H_6 is distilled off, and then the residue

POPOV, A.; MITSEV, I.; KUZMANOV, V.

On Euphorbia Lathyris and the oil from its seed. Doklady BAN 14 no.4:369-372 '61.

1. Botanisches Institut an der Bulgarischen Akademie der Wissenschaften. 2. Institut fur organische Chemie an der Bulgarischen Akademie der Wissenschaften. Vorgelegt von Akademiemitglied G. Rankoff [G. Rankov].

CHOBANOV, D.; POPOV, A.; MITZEV, I.[Mitsev, I.]

Liquid-liquid chromatography of ricinoleic and di-hydroxysteric acid in presence of saturated and unsaturated normal monocarboxilic acids. Doklady BAN 14 no.5:463-465 '61.

1. Institute of Organic Chemistry, Bulgarian Academy of Sciences. Submitted by Academician G. Rankov.

(Chromatographic analysis)

POPOV, A.; GYDEVA, V.[Gudeva, V.]

Application of precipitation chromatography at quantative determination of thiurom. Doklady BAN 14 no.5:467-469 '61.

1. Predstavleno akad. G. Rankovym.

(Chromatographic analysis)

POPOFF, A. [Popov, A.]

On the contents of the conjugated fatty acids in the oil of some species of the family Rosaceae. Doklady BAN 15 no.1:41-44 '62.

1. Institut für organische Chemie an der Bulgarischen Akademie der Wissenschaften. Chlen Redaktsionnoy kolegii "Doklady Bolgarskoy Akademii nauk." Vorgelegt von Akademiemitglied G.Rankoff [G.Rankov].

POPOFF, A. [Popov, A.], akad.

Detecting the accelerators of the thiuram group with paper chromatography. Doklady BAN 15 no.2:139-142 '62.

1. Institut für organische Chemie an der Bulgarischen Akademie der Wissenschaften. Chlen Redaktsionnoy kollegii i zam. otvestvennogo redaktora, "Doklady Bulgarskoy akademii. Predstavleno akad. G. Rankovym [Rankov, G.].

POPOV, A.; ALEKSIEV, B.; NISANJAN, P. [Nishanian, P.]

Oil of the fruit Ailanthus glandulosa Desf. Doklady BAN 15 no.2:143-146 '62.

1. Chemisch-technologisches Institut, Sofia, und Institut für organische Chemie der Bulgarischen Akademie der Wissenschaften, Sofia. Vorgelegt von Akademiemitglied G. Rankov.

POPOFF, A. [Popov, A.]; NEDIALKOV, N. [Nedialkov, N.]

Distribution of sugars and free amino acids in various parts of wheat plants with a special emphasis of their sensitiveness to cold. Doklady BAN 17 no.10:957-960 '64.

1. Submitted June 15, 1964.

L 36861-66

ACC NR: AP6019764 (A) SOURCE CODE: UR/0085/66/000/006/0010/0011

AUTHOR: Popov, A. (Colonel, Army Superintendent; Ryazan') 13 B

ORG: none

TITLE: School of courage and fearlessness

SOURCE: Kryl'ya rodiny, no. 6, 1966, 10-11

TOPIC TAGS: military training, air force training

ABSTRACT: In answer to the questions asked by a young parachutist in a letter which appears at the beginning of the compact article, the author gives a brief description of the origin, history, and mission of the Ryazan' High Airborne Command School of the Red Banner, which will be 50 yr old in 1968. The author gives information on the teaching staff and facilities of the school, the conditions for admission and the length of the courses, the diploma and insignia granted to graduates, some of whom are singled out by name as outstanding graduates. Orig. art. has: 1 figure. [GC]

SUB CODE: 05, 01 SUBM DATE: none

Card 1/1