"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

SAPONOVA, Z. S., (Grad Stud)

Dissertation: "The Dependence of the Physicomechanical Properties of Leather on the Coefficients of Shrinkage and Compactness." Cand Tech Sci, Moscow Technological Inst of Light Industry imeni L. M. Kaganovich, 15 Jun 54. (Vechernyaya Moskva, Moscow 4 Jun 54)

SO: SUM 318, 23 Dec 1954

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

SAFONOVA, Z. V., Cand Tech Sci -- (diss) "Dependence of Physicomechanical Properties of Leather upon the Coefficients of ~~Cons~~ ~~traction of~~ Compression and Shrinkage." Mos, 1957. 10 pp (Min of Higher Education USSR, Mos Technological Inst of Light Industry), 100 copies (KL, 49-57, 113)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

SAFONOVA, Z.V., inzhener.; CHERNOV, N.V., doktor tekhnicheskikh nauk, professor

Wear of sole leather and its relation to the coefficient of rolling. Leg.prom. 17 no.4:40-41 Ap '57. (MLRA 10:4)
(Leather--Testing) (Tanning)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

SAFONOVA, Z.V., inzhener.

Coefficient of leather shrinkage. Leg. prom. 17 no.5:28-29 My '57. (Tanning) (MLRA 10:6)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

METELKIN, A.I.; VAYSBERG, I.Ye.; KOLESNIKOVA, N.I.; SAFONOVA, Z.V.

Comparison of the liquor-drum and the wash-drum methods of tanning shoe leather. Kozh.-obuv. prom. no.3:24-28 Mr '59. (MIRA 12:6)

(Tanning)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

MAKAROV, F.F.; SAFONOVA, Z.V.

Hydrogenated petrolatum for fat liquoring of hard and Russian leather. Biul.tekh.-ekon.inform. no.5:57-58 '59.
(MIRA 12:8)

(Tanning)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

SAFONOVA, Z.V., kand.tekhn.nauk; MAKAROV, F.F.

Using hydrogenated petrolatum for stuffing sole and Russian leather.
Kozh.-obuv.prom. 2 no.5:17-19 My '60. (MIRA 13:9)
(Leather) (Petrolatum)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

IVANOV, A.F.; SAFONOVA, Z.V., inzh.

Using polymethylmethacrylic latex for the sizing of underwear cotton fabrics. Tekst.prom. 22 no.6:60-62 Je '62. (MIRA 16:5)

1. Starshiy inzh. Kineshemskoy nauchno-issledovatel'skoy laboratorii pri fabrike No.2 Ivanovskogo soveta narodnogo khozyaystva (for Ivanov). 2. Kineshemskaya nauchno-issledovatel'skaya laboratoriya pri fabrike No.2 Ivanovskogo soveta narodnogo khozyaystva (for Safonova).

(Cotton sizing) (Acrylic resins)

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

MAKAROV, F.F.; SAFONOVA, Z.V.

Use of oxidized highly hydrogenated petroleum fractions of isostructural carbohydrates for leather stuffing. Kozh.obuv. prom. 4 no.8:18-20 Ag '62. (MIRA 15:8)
(Leather) (Petroleum products)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

SAFONOVA-SIDOROVA, Ye.N.

Laryngitis in acute catarrh of the upper respiratory tract and in virus influenza in children. Vop.okh.mat. i det. 2 no.4:25-30 Jl-Ag '57. (MLRA 10:9)

1. Iz kafedry gospital'noy pediatrii II Moskovskogo meditsinskogo instituta imeni N.I.Pirogova (nauchnyy rukoveditel' - prof. M.M. Bubnova) i bol'nisty imeni S.P.Botkina (glavnyy vrach - prof. A.N. Shabanov)

(LARYNX--DISEASES) (RESPIRATORY ORGANS--DISEASES)
(INFLUENZA)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

SAFONOVA-SIDOROVA, Ye. N., Cand Med Sci -- (diss) "Laryngitis and laryngotracheitis of nondiphtheric etiology in children." Mos, 1958. 16 pp (Second Mos State Med Inst im N. I. Pirogov), 200 copies (KL, 16-58, 124)

-115-

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

SAFONTSEV, A.A .

USSR/Geology
Tectonics

Feb 1948

"Normal Cross Sections of the Devonian Deposits of the Syzran Region," V. A. Dolitskiy, A. A. Safontsev, G. G. Tsyplenkov, 9 pp

"Neftyanoye Khozyaystvo" No 2

Normal crosscuts of Devonian deposits are made from three structures: Zaborovskoy, Syzranskoy and Gubinskoy. All three structures are connected with undulations of the axis of a single tectonic upheaval, northern wing of which is the Zhigulevskays fold.

PA 61T54

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

SAFONTSEV, A.A.

Lithological and stratigraphic correlation of Mesozoic deposits in the Ozek-Suat field. Geol. nefti 1 no.12:40-47 D '57. (MIRA 11:1)

1. Moskovskiy ordena Trudovogo Krasnogo Znameni neftyanoy institut im. akademika I.M. Gubkina.
(Groznyy Province--Geology, Stratigraphic)
(Rocks, Sedimentary)

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

SAFONTSEV, A.A.

SAFONTSEV, A.A.

Using field geophysical data for detecting sedimentation cycles as illustrated by the Ozek-Suat field. Razved. i prom. geofiz. no.19: 48-51 '57. (MIRA 10:11)

(Ozek-Suat--Geology, Stratigraphic)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

SAFONTSEV, A. A, Cand Geol-Min Sci -- (diss) "Utilization of industrial geophysicial data for the study of the geological structure of Mesozoic deposits of the central part of the Prikumskiy Rayon." Mos, 1959. 16 pp (Min of Higher education USSR. Mos Order of Labor Red Banner Inst of Petroleum Chemical and Gas Industry im Academician I.M. Gubkin). 150 copies (KL, 37-59, 106)

17

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

SAFONTSEV, A.A.; TANASEVICH, I.M.

Determining the lithological composition of terrigenous lower Cretaceous sediments in the Kuma Valley. Geol.nefti i gaza 4 no.7:35-39 Je '60. (MIRA 13:8)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti im.akad.Gubkina.

(Kuma Valley--Sediments (Geology))

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

SAFONTSEV, A.A., YUDIN, G.T.

Nature of the relationship between relative amplitudes of spontaneous polarization and the granulometric composition of terrigenous rocks based on the study of a series of oil and gas deposits in Stavropol Territory. Prikl. geofiz. no.26:224-229 '60. (MIRA 13:8)

(Rocks--Electric properties)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

SAFONTSEV, A.A.

Using geophysical borehole measurements in cyclic analysis.
Trudy MINKHiGP no.31:100-105 '60. (MIRA 13:11)
(Prospecting--Geophysical methods)

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

SAFONTSEV, K.A.

BARANOV, A.F., redaktor; RUDOY, E.F., redaktor; SOLOGUBOV, V.N., kandidat tekhnicheskikh nauk, otvetstvennyy redaktor toma; ALBEGOV, N.A., kandidat tekhnicheskikh nauk; VASIL'YEV, B.K., inzhener; VERSHINSKIY, S.V., kandidat tekhnicheskikh nauk; VINOGRADOV, G.P., kandidat tekhnicheskikh nauk; VINOKUROV, M.V., professor, doktor tekhnicheskikh nauk; GOLOVANOV, V.G., kandidat tekhnicheskikh nauk; GORDEYEV, A.S., dotsent, kandidat tekhnicheskikh nauk; GURSKIY, P.A., dotsent, kandidat tekhnicheskikh nauk; GUREVICH, A.N., kandidat tekhnicheskikh nauk; DOMBROVSKIY, A.B., dotsent; YEGORCHENKO, V.F., professor, doktor tekhnicheskikh nauk: IVANOV, V.N., professor, doktor tekhnicheskikh nauk; KARVATSKIY, B.L., professor, doktor tekhnicheskikh nauk; KOROLEV, K.P. professor, doktor tekhnicheskikh nauk; MUCHKIN, I.N., kandidat tekhnicheskikh nauk; POPOV, G.V., inzhener; PROSKURNEV, P.G. inzhener; SAFONTSEV, K.A., izhener: SEMICHASTNOV, I.F. dotsent, kandidat tekhnicheskikh nauk; SLOMYANSKIY, A.V., dotsent, kandidat tekhnicheskikh nauk; STEPANOV, A.D., dotsent, kandidat tekhnicheskikh nauk; SYROMYATNIKOV, S.P., akademik [deceased]; TERNOVSKIY, V.A., dotsent; kandidat tekhnicheskikh nauk; TRUBETSKOY, V.A., kandidat tekhnicheskikh nauk, KHOKHLOV, N.F., kandidat tekhnicheskikh nauk; SHARONIN, V.S., kandidat tekhnicheskikh nauk; SHLYKOV, Yu.P., dotsent, kandidat tekhnicheskikh nauk; YEVTUSHENKO, A.M. kandidat tekhnicheskikh nauk, retsenzent; IVANOV, V.N., professor, doktor tekhnicheskikh nauk, retsenzent; PANOV, N.I., dotsent, kandidat tekhnicheskikh nauk, retsenzent; SLOMYANSKIY, A.V., dotsent, kandidat tekhnicheskikh nauk, retsenzent; UTYANSKIY, L.I., inzhener, retsenzent; NETYKSA, V.M., professor, doktor tekhnicheskikh nauk, retsenzent;

(Continued on next card)

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

BARANOV, A.F., -- (Continued) Card 2.

TOPORNIN, G.S., inzhener, retsenzent; DOMBROVSKIY, A.B., dotsent; retsenzent; POYDO, A.A., kandidat tekhnicheskikh nauk, retsenzent; YAKOBSON, P.Ye., laureat Stalinskoy premii; dotsent; kandidat tekhnicheskikh nauk, retsenzent; POPOV. A.A., professor, doktor tekhnicheskikh nauk, retsenzent; PROSKURNEV, P.G., inzhener, retsenzent; SAFONTSEV, K.A., inzhener, retsenzent; SERAFIMOVICH, V.S., kandidat tekhnicheskikh nauk; retsenzent; TRAVIN, P.I., inzhener, retsenzent; FOKIN, K.F., kandidat tekhnicheskikh nauk, retsenzent; SHCHERBAKOV, V.P., inzhener, retsenzent; SHADUR, L.A., dotsent; kandidat tekhnicheskikh nauk,retsenzent; TIKHONOV, P.S., inzhener retsenzent; TKACHENKO, F.D., inzhener; retsenzent; BABICHKOV, A.M. professor, doktor tekhnicheskikh nauk, retsenzent; KOROSTYLEV, A.I. inzhener, retsenzent; LEVITSKIY, V.S., dotsent; kandidat tekhnicheskikh nauk, retsenzent; KLYKOV, A.F., inzhener, retsenzent; SOLOGUBOV, V.N. redaktor; SHISHKIN, K.A., redaktor; SLOMYANSKIY, A.V. redaktor; SALENKO, S.V., redaktor; YUDZON, D.M. tekhnicheskiy redaktor.

[Technical reference book for railroad men] Tekhnicheskii spravochnik zheleznodorozhnika. Redaktsionnaia kollegiia: A. F. Baranov, i dr. Glav.redaktor. E. F. Rudoi. Moskva, Gos.transp.zhel-dor.izd-vo. Vol. 6 [Rolling stock] Podvizhnoi sostav. 1952. 955 p. (MLRA 8:9)
(Railroads--Rolling-stock)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

SAFONTSEV, K. A.

5782. Opredeleniye sil, deystvuyushchikh na rolikovyye podskipniki passazhirskikh vagonov. (Rezul'taty dinamich. ispytaniy). Sost. K. A. Safontsev. M., 1954. 47 s. s chert. 21 sm. (M-Vo transp. mashinostroyeniya SSSR. Glav. upr. vagonostroyeniya. Nauchissled. Byuro NIB. Tekhn. informatsiya VYP. No. 1). 300 ekz. bespl.-na obl. sost. ne ukazan-(54-14386zh), 625.2.012.2

SO: Knizhnaya Letopis, Vol. 1, 1955

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

SAFONTSEV, K.A., inzh.

Potentialities for reducing the empty weight of cars.
Zhel.dor.transp. 41 no.12:24-27 D '59.
(MIRA 13:4)

(Railroads--Cars)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

RZHAVINSKIY, B.A.; SAFONTSEV, K.A.

What type of six-axle gondola cars? Zhe.dor.transp. 44 no.4: 48-49 Ap '62. (MIRA 15:4)

1. Zamestitel' direktora Vsesoyuznogo nauchno-issledovatel'skogo instituta vagonostroyeniya (for Rzhavinskiy). 2. Glavnyy spetsialist po vagonostroyeniyu Gosudarstvennogo komiteta Soveta Ministrov SSSR po avtomatizatsii i mashinostroyeniyu (for Safontsev).
(Railroads--Freight cars)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

SAFOROV K. M.

USSR / Diseases of Farm Animals. Diseases Caused by Bacteria and Fungi. R

Abs Jour: Ref Zhur-Biol., No 8, 1958, 35833.

Author : Saforov, K. M.
Inst : Not given.
Title : Leptospirosis Treatment in Sheep.

Orig Pub: Veterinariya, 1957, No 6, 30-33.

Abstract: When hyperimmune serum was applied, 83.4 percent of the sheep afflicted with early stages of leptospirosis and 31.2 percent of the animals with well developed symptoms of the disease, recovered. Best therapeutic results were achieved with such chemical preparations

Card 1/2

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

Z/004/60/000/006/001/003
A121/A126

AUTHOR: Šafr, E., Engineer

TITLE: Motor oil with additives

PERIODICAL: Nová Technika, no. 6, 1960, 255

TEXT: The author reports on new Czechoslovak motor oils with additives, brought on the market in 1960. The supply of motor oils of the types Z, A and AF was stopped and replaced by the new types M 4A, M 6A and M 9A. Only the M 12 type motor oil (former BB-oil) designed for combustion engines in poor mechanical condition, is still for sale. Problems of motor oils, with additives increasing their durability and limiting the production of carbonaceous residues, have not been treated in spite of the request; a Seminary was organized by the Odborná skupina techniky mazání strojniké sekce při Čs. VTS (Branch Group of Lubrication Technique of the Mechanical Engineering Section of Čs. VTS) in Prague on March 3, 1960, dealing with motor oils and additives. Engineer Dyka of the n.p. Benzina (Benzina, People's Enterprise) read a paper on oils with additives and their use in the ČSR and abroad. Engineer Havlíček of the same Plant informed on the properties of motor oils without and such with additives, based on tests carried

Card 1/2

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

41352
S/081/62/000/017/078/102
B156/B186

1.4000

AUTHOR: Šafr, E.

TITLE: Effects of lubricating and cooling oils on the tool life of cutting tools

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 17, 1962, 479, abstract 17M216 (Ropa a uhlie, v. 3, no. 12, 1961, 353 -357 [Czech., summaries in Russian, Engl., Hungarian, French])

TEXT: The results of laboratory and working tests on lubricating and cooling oils containing various additives are given. The base oil was the 405-oil for bearings (viscosity 34 cS/50°C) and the following additives were tried: 3% chloroparaffin + 1% dibenzyldisulfide; 6% chlorostearin + 2% dibenzyldisulfide; 12.5% chloroparaffin + 2% dibenzyldisulfide; 6, 12 and 18% of a composite additive containing Cl, P and S; 5% chlorostearin + 2% Tsintiol additive; also several other additives. Tool life was highest when using the oil into which 12% of the composite additive had been introduced. [Abstracter's note: Complete translation.]

Card 1/1

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

SAFR, E.

Principles of lubrication techniques. Part 23: Friction couplings and gearboxes. Ropa a uhlie 4 no.12:382 D '62.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

SAFR, E.

Hydraulic transmissions. Ropa a uhlie 5 no.1:28-30 Ja '63.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

SAFR, E.

Principles of lubrication technique. Pt. 26. (Conclusion)
Ropa a uhlie 5 no.3:93 Mr '63.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

SAFR, Emil

Liquids for hydrodynamic gear boxes. Ropa a uhlie 6 no.5: 145-146 My '64.

1. Benzina, Section of Lubrication Technique and Fuels.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

SAFR, Emil

Examination of the proportional lubricant consumption.
Ropa a uhlie 6 no. 6:168-169 Je '64.

1. Benzina National Enterprise, Department of Lubrication and Fuels.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

SAFR, E., inz.

Commercial and technical services in the field of lubricants. Ropa a uhlie 6 no.8:237-239 Ag '64.

1. Benzina National Enterprise, Department of Lubrication and Fuel Technology.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

KETL, G.; SAXE, H.; REICHELT, F.; SAFR, E., inz [translator]

Possibilities of reducing the consumption of lubricants. Ropa a uhlie 7 no.1:22-26 Ja '65.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

BAFN, E., Ing.

Conference on plastic lubricants. Ropa a chlie 7 no.4:123 Ap '65.

Conference on lubrication and filtration equipment. Ibid.: 125

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

CZECHOSLOVAKIA/Soil Science - Organic Fertilizers. J

Abs Jour : Ref Zhur Biol., No 22, 1958, 100095

Author : ~~Safr, F.~~
Inst : -
Title : Fungi in the Capacity of Fertilizers.

Orig Pub : Mykol. sbor., 1957, 34, 1-2, 20

Abstract : Extracts of decayed fungi contain nitrogen, various vitamins and still unknown bios compounds. Their application, separately or with a mixture of mullein and mineral fertilizers and also with sphagnum peat, affects very favorably indoor flowers and fruit bearing of a number of vegetables. -- Z.I. Zhurbitskiy

Card 1/1

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

SAFR, Emil, inz.

"Lubrication practice" by P.Tamm, W. Ulms. Reviewed by Emil Safr.
Stroj vyr 11 no.8:423 Ag '63.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

SAFR, Emil

Machine testing of lubricant greases. Ropa a uhlie 5 no.10: 314-315 O '63.

1. Benzina, Odbor techniky mazani a paliv.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

SAFRA, R., agronom-sornyakoved

Dodder Cuscuta arvensis. Zashch. rast. ot vred. i bol. 10 no.10:41 '65. (MIRA 18:12)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

SAFRA, R.

Herbicides in floriculture. Zashch. rast. ot vred. i bol. 10 no.9:55-56 '65. (MIRA 18:11)

1. TSentral'naya karantinnaya laboratoriya Ministerstva sel'skogo khozyaystva SSSR.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

SAFRA, R.A.

USSR

Combating Ambrosia by chemical means. B. Konnik and R. Safra (Central Lab. Quarantine of Agr. Crops). Zemledelie 3, No. 2, 112-15(1955).—2,4-D Na salt is not as effective as dinitro-o-cresol in dry seasons. A 3-5% soln. of NaOH at 30-50,000 l./ha. is also effective. J. S. L.

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

SAFRA, R. A.

USSR

Destroying dodder. R. Safra and B. Konik. *Khlopkovodstvo* 5, No. 4, 41-3(1955).—Na dinitro-*o*-cresolate is superior to Na pentachlorphenolate and to triethanolamine salt of dinitrophenol for destroying dodder.
Elisabeth Barabasi

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

SAFRA, R.A

USSR/Weeds and their Control N

Abs Jour : Ref Zhur - Biol., No 1, 1958, No 1854

Author : R.A. Safra
Inst : Not Given
Title : Quarantined Weeds of the Striga Family

Orig Pub : Zashchita rast. ot vredit. i bolezney, 1956, No 2, 52

Abstract : A short description is given of the weed which is a root parasite to grass crops (corn, sorghum, millet, rice, sugar cane and a number of grass weeds), tobacco and the morning glory and is distributed throughout India, Africa, Australia and Malay.

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

SAFRA, R.A.

Results of competition in the control of Russian centaurea. Zashch. rast. ot vred. i bol. 5 no. 8:58-59 Ag '60. (MIRA 13:12)

1. Rukovoditel' gruppy sornykh rasteniy TSentral'noy karantinnoy laboratorii Ministerstva sel'skogo khozyaystva SSSR.
(Centaureinae)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

DOVNAR-ZAPOL'SKIY, D. P.; SAFRA, R. A.

From the pages of journals. Zashch. rast. ot vred. i bol. 5 no.10:57-60 O '60. (MIRA 16:1)

(Bibliography—Plants, Protection of)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

SAFRA, R.A., agronom

Chemicals for controlling the wild oat; review of foreign literature. Zashch. rast. ot vred. i bol. 7 no.3:56-58 Mr '62. (MIRA 15:11)
(Wild oats) (Herbicides)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

SAFRA, R.A.

Seminar on Acroptilon picris. Zashch. rast. ot vred. i bol. 7 no.11:60-61 N '62. (MIRA 16:7)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

SAFRA, R.A.

Books and brochures on herbicides, 1952-1961. Zashch. rast. ot vred. i bol. 8 no.2:62-63 F '63. (MIRA 16:7)
(Bibliography--Herbicides)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

SAFRA, R.A., spetsialist-sornyakoved

Striga lutea. Zashch. rast. ot vred. i bol. 9 no.7:40-41 '64.
(MIRA 18:2)

1. TSentral'naya karantinnaya laboratoriya Ministerstva sel'skogo khozyaystva SSSR.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

AUTHOR: Safragan, R.E., Engineer 91-58-6-25/39

TITLE: Emergency Disconnecting Switch for Electrified Hoists (Avariynyy vyklyuchatel' k elektrifitsirovannym pod"yemnym sredstvam)

PERIODICAL: Energetik, 1958, Nr 6, pp 25-26 (USSR)

ABSTRACT: The author states that the breakswitch described, designed by him together with the Engineer Ogloblin, enables hoists, cranes, and telphers to be disconnected instantly in case of breakdown with the load in any position and irrespective of the position of the workman controlling the telpher. In this way the crane or telpher can be stopped at once, together with its load, whereas normally it continues to move in the original direction, so that it is necessary to switch off the main trolleys, which cannot always be done quickly. The breakswitch consists of a threephase cutoff switch operated by a weight of 3-5 kg: it is controlled by a lever and two steel cables, one of which is horizontal, running parallel to the trolleys, with one end attached to the cutoff switch. Along this cable a ring runs freely attached to the second cable, which is vertical. Two clips ensure that the vertical cable drops downwards easily when the lever is pulled. Thus the pull is transmitted through

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

Emergency Disconnecting Switch for Electrified Hoists 91-58-6-25/39

the ring to the horizontal cable and the cutoff switch is operated. There are two figures.

AVAILABLE: Library of Congress

Card 2/2 1. Hoists-Safety measures 2. Hoists-Safety devices

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

KISELEV, V.M.; SAFRAGAN, R.E.

Pulse-code to phase-code converter for numerical programmer control systems. Stan. i instr. 36 no.8:7-8 Ag '65. (MIRA 18:9)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

L 37223-66 EWP(k)/EWP(h)/EWT(d)/EWP(l)/EWP(v) BC

ACC NR: AP6018268 SOURCE CODE: UR/0121/66/000/002/0008/0011

AUTHOR: Safragan, R. E.

ORG: None

42
B

14

TITLE: Operational experience in using milling machines with numerical preset control

SOURCE: Stanki i instrument, no. 2, 1966, 8-11

TOPIC TAGS: milling machine, automatic control equipment, operations research, industrial production, production engineering

ABSTRACT: The author discusses the organization of an automatic machining section for milling parts with complex configurations on 6N13 GE2 units with preset control under small-scale production conditions. Statistical data were accumulated from long-term use of these units together with program recording equipment. These data may be used to determine the reliability and productivity of the equipment and to calculate the return from expenditure on organization and use of the section and workers. The operational efficiency of units with numerical preset control is estimated. A formula is given for determining the lowest number of parts in a year's batch which is necessary to maintain economically efficient use of equipment with numerical preset control. The criterion for selecting the quantity of parts for a yearly batch is based on the return realized from expenditures on calculation and program recording

Card 1/2

UDC: 621.914.3-529.004.14

Card 2/2

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

L 37248-66 EWT(m)/T

ACC NR: AP6027876 SOURCE CODE: CZ/0038/66/000/003/0100/0101

44
B

AUTHOR: Safranek, Alois

ORG: Power Research Institute, Prague (Vyzkumny ustav energeticky)

TITLE: Simulating the steam generator-turbine block dynamics of the A1 power station on an AP3 analog computer

19

SOURCE: Jaderna energie, no. 3, 1966, 100-101

TOPIC TAGS: steam turbine, steam auxiliary equipment, analog computer, steam power plant/A1 steam power plant, AP3 analog computer

ABSTRACT: The report gives a comparison and evaluation of previous solutions of steam generator-turbine block dynamics and determinations of the partial transfers of individual parts. It reports the dynamic characteristics of the variables obtained on an AP3 analog computer and supplemented by a model of some of the main parts of the steam generator. A critical evaluation is made of all the characteristics. The conclusions contain a simplifying approximation of the complicated resulting transfers of output values of the object investigated as a whole, a simpler solution of the dynamics of the mean-pressure part of the steam generator described with concentric parameters, and a comparison of some partial transfers obtained with a model with distributed or concentric parameters. Partial Research Report No. 4 of Research Task No. 45-59-204/1. [Based on author's Eng. abst.] [JPRS: 36,845]

SUB CODE: 10, 09 / SUBM DATE: none

Card 1/1 UDC: 621.311.2:621.039 A1

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

SAFRAN, G.

Collapsible structure of steel pipe to serve as a modern and economical scaffolding for bridge construction. p. 529.
(MELEPITESTUDOMANYI SZEMLE. Vol. 4, no. 10, Oct. 1954. Budapest.)

SO: Monthly List of East European Accession. (EEAL). Lc. Vol 4 Nov. 11 Nov. 1955 Uncl.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

SAFRAN, G.

Detachable pipe scaffolds. p. 24.

No. 1, Jan. 1955.
MUSZAKI ELET
Budapest

SOURCE: Monthly list of East European Accession, (EEAL), LC, Vol. 5, No. 3, March, 1956

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

SAFRAN, G.; TOTH F.

The use of casing vibrator in the prefabrication of reinforced-concrete construction elements. p.97.

MAGYAR TUDOMANYOS AKADEMIA. MUSZAKI TUDOMANYOK OSZTALYA. KOSLEMENYEI.
Budapest, Hungary. Vol. 24, no. 1/4, 1959.

Monthly List of East European Accessions. (EEAI) LC Vol. 9, no. 2,
Feb. 1960 Uncl.

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SAFRAN, Gyorgyi

Otto Herman and Lajos Kossuth; Otto Herman's legacy in the Manuscript Division of the Hungarian Academy of Sciences. Magy tud 67 no.7: 429-435 Jl '60. (EEAI 9:11)

(Herman, Otto) (Kossuth, Lajos)
(Hungarian Academy of Sciences)

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

SAFRAN, Gyorgyi (Budapest)

Research on the prehistoric man of the Bukk Mountains in the correspondence of Otto Herman. Borsod szemle 9 no.1:59-66 '65.

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SAFRAN, I.

Economic evaluation of investments in power engineering.

(MAGYAR ENERGIAGAZDASAG, Budapest, Vol. 8, no. 2, Feb. 1955.)

SO: Monthly list of East European Accessions, (EEAL), LC, Vol. 4, no. 1, Jan. 1955, Uncl.

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

STIRSKY, Pavel; SAFRANEK, Alois; BORSKY, Milan; KNIZE, Stanislav

Dynamic characteristics of the A 1 steam generator elements.
Jaderna energie 10 no. 5:172-173 My '64.

1. Research Institute of Power Engineering, Prague.

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SAFRANEK, B.

How to make the best use of peat in agriculture. p. 499. (CASOPIS LEKARU CESKYCH, Vol. 92, #25, June 1953, Czechoslovakia)

SO: Monthly List of East Europen Accessions, Vol. 2 #8, Library of Congress, August 1953, Incl.

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SAFRANEK, J.; KMONICEK, J.; VRBA, M.

Pneumoorbitography. Cesk. rentgen. 18 no.4: 257-264 Jl'64

1. Radiologicka klinika (prednosta: prof. dr. J.Holy, DrSc.) a ocni klinika (prednosta: prof. dr. J.Vanysek, DrSc.) lekarske fakulty UJEvP [University J.E.Purkyne] v Brne.

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SAFTANEK, M.

"Most Precise Models of Electric Networks in the World", P. 5, (TECHNICKE NOVINY, Vol. 2, No. 15, Aug. 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 1, Jan. 1955, Uncl.

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SAFRANEK, M.; ZABOJ, B.

"Universal Model for a Direct-Current Network. (1st Supplement)", P. 1 (ENERGETIKA, Vol. 4, No. 8, Aug. 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

SAFRANEK, M.

Electric Power Research Institute is helping the operation of electric-power production. p. 546.

ENERGETIKA. Praha, Czechoslovakia. Vol. 9, no. 10, Oct. 1959.

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Uncl.

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SAFRANEK, Milan, inz., nositel Radu prace.

Direct current transmission between Stalingrad water power plant and Donbas. Energetika Cz 11 no.3:145-147 Mr '61.

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

SAFRANEK, V.

Division of land as the first task of a new collective farm. p. 14.
Think about the future; also there exists a possibility of creating suitable working conditions for the sick and older members of the collective farms. p. 16.
ROLNICKE HLASY. (Ministerstvo zemedelstvi. Hiavni aprava jednotnych zemedelskych druzstev) Praha. Vol. 10, no. 6, June 1956.

SOURCES: EEAL LC Vol. 5. No. 10, Oct. 1956.

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SAFRANEK, Vaclav, Dr

Epidemiology of infectious hepatitis. Lek. listy, Brno 9 no.19: 450-451 1 Oct 54.

1. Okresni hygienicko-epidemiologicka stanice v Brne.
(HEPATITIS, INFECTIOUS, epidemiology.)

CZECHOSLOVAKIA / Chemical Technology. Chemical Products and Their Application. Food Industry. H-28

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

Abs Jour: Ref Zhur-Khimiya, No 1, 1959, 2824.

Author : Safranek, V., Sadil, J.
Inst : ~~Not given.~~
Title : The Possibility of Preparing Raw Milk Safe in Regard to Sanitation.

Orig Pub: Ceskosl. hyg., 1958, 3, No 2-3. 183-185.

Abstract: No abstract.

Card 1/1

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

SAFRANKOV, K. I.

Safrankov, K. I. - "The Michurinian-materialistic teaching on the rold of the external environment in the development of organisms," (Abridged stenographic record of a report to the academic conference), Trudy Alma-At. vet.-zootekhn. in-ta, Vol. V, 1948, pp 28-34

So: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 13, 1949)

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SAFRANKOVA, B.; BREZINA, M.

Peptide-like compounds in the urine of patients suffering from burns. Acta chir. plast. 4 no.1:18-25 '62.

1. Laboratory for Plastic Surgery (Director: Academician F. Burian) and Polarographic Institute (Director: Academician J. Heyrovsky), Czechoslovak Academy of Science, Prague (Czechoslovakia)

(BURNS urine) (PEPTIDES urine)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

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KRYSPIN, J.; HARANTOVA, Zdenka; SAFRANKOVA, Bozena; SKALA, J.; RUZICKOVA, Jana

Physical chemical changes in human skin grafts during the first 24 hours after transplantation. Folia biol. 7 no.5:349-352 '61.

1. Laboratory of Plastic Surgery, Czechoslovak Academy of Sciences, Prague.

(SKIN TRANSPLANTATION)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

KRYSPIN, J.; SAFRANKOVA, B.

Transfer of energy in living tissue with special reference to the transfer of electricity. Česk. fysiol. 11 no.4:367-374 '62.

1. Laborator plasticke chirurgie CSAV, Praha.
(ELECTROPHYSIOLOGY)

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

ACC NR: AP6019268 SOURCE CODE: GE/0030/66/015/002/0451/0456

AUTHOR: Brezina, B.; Safrankova, M.; Kvapil, J.
[Brezina, Safrankova] [Kvapil]
ORG: Institute of Physics, Czechoslovak Academy of Sciences, Prague; Research Institute of Single Crystals, Turnov

TITLE: Ferroelectric properties of solid solutions of triglycine sulfate and fluoberyllate crystals

SOURCE: Physica status solidi, v. 15, no. 2, 1966, 451-456

TOPIC TAGS: ferroelectric property, ferroelectric crystal, Curie point

ABSTRACT: Solid solutions of ferroelectric TGS and TGFBe single crystals were prepared by the dynamic cooling of aqueous solutions. Various physical properties of the solid solutions were measured for different relative concentrations of the single crystals. It was found that the phase transition temperature is not a linear function of the concentration while the variations of the permitivity of solutions of all concentrations with temperature obey the Curie-Weiss law. It was also found that the coercive field of TGS-TGFBe solid solutions increases with increasing TGFBe content.
The authors thank Mr. J. Novák for an appraisal of the analytical methods and Mr. K. Bernatzik for help in growing the single crystals. The authors also thank Dr. J. Fousek and Dr. Z. Hauptman for suggestions which helped to improve the manuscript,

Card 1/2

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

ACC NR: AP6019268

and Dr. V. Janovec and Dr. V. Dvorák for valuable discussions. Orig. art. has: 7 figures, 3 formulas.

SUB CODE: 20/ SUBM DATE: 26Nov65/ SOV REF: 002/ OTH REF: 011

Card 2/2

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

CZECHOSLOVAKIA

R. KOREC and R. SAFRANKOVA, Department of General and Experimental Pathology of Medical Faculty of J.P. Safaryk University (Ustav pre vseobecnu a experimentalnu patologiu Lekarskej fakulty UPJS [University P.J. Safaryka]) Head Docent Dr R. KOREC, Kosice.

"Free and Bound Glucose in the Urine."

Prague, Casopis Lekaru Ceskych, Vol 102, No 8, 22 Feb 63; pp 219-220.

Abstract [English summary modified]: Tests in 23 normal controls and 17 diabetic patients revealed that latter have no bound urinary glucose which may be freed by acid hydrolysis. Glucose oxidase tests and copper phosphomolybdate ones were done in various groups. Two graphs, 4 Western references.

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APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

BOYTSOV, V.I., inzh.; MIKHAYLOV, A.N., inzh.; SAFRANOV, V.N., tekhnik; LESNYAKOV, F.I., red.; DONSKAYA, G.D., tekhn.red.

[Technical specifications for overhauling of the D-265 motor grader] Tekhnicheskie usloviia na kapital'nyi remont avtogreidera D-265. Moskva, Nauchno-tekhn.izd-vo M-va avtomobil'nogo transp. i shosseinykh dorog RSFSR, 1959. 93 p. (MIRA 12:12)

1. Moscow. Vsesoyuznyy dorozhnyy nauchno-issledovatel'skiy institut. 2. Sotrudniki laboratorii ekspluatatsii i remonta dorozhnykh mashin Gosudarstvennogo vsesoyuznogo dorozhnogo nauchno-issledovatel'skogo instituta Glavdorstroya Ministerstva transportnogo stroitel'stva SSSR (for Boytsov, Mikhaylov, Safranov).
(Graders (Earth-moving machinery)--Maintenance and repair)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

KRICHEVSKIY, I.R.; IVANOVSKIY, G.F.; SAFRANOV, Ye.K.

Sobubility of silicon tetraiodide in nonaqueous solvents.
Dokl. AN SSSR 122 no.3:400-402 S '58. (MIRA 11:11)

1. Predstavleno akademikom S.A.Vekshinskim.
(Silicon iodides) (Solubility)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

MARAKUSHEV, Yevgeniy Alekseyevich; OBLEZOV, Aleksandr Ivanovich; SAFRANOVA, Irina Vasil'yevna; GABOVA, D.M., red.; KOGAN, V.V., tekhn.red.

[PMZ class 202 sewing machine for stiching the sleeve into the armhole] Mashina 202 klassa PMZ dlia vtachivaniia rukava v proimu. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po legkoi promyshl., 1959. 75 p. (MIRA 13:11)

(Sewing machines)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

SAFRANOVA, M.G.

CARD 1 / 2 PA - 1865

SUBJECT USSR / PHYSICS

AUTHOR DUL'KOVA, L.B., SOKOLOVA, I.B., SAFRANOVA, M.G.

TITLE The Scattering of Positive and Negative Pions with an Energy of 300 MeV by Hydrogen.

PERIODICAL Dokl.Akad.Nauk, 111, fasc.5, 992-995 (1956)
Issued: 1 / 1957

The present work investigates this scattering by the method of thick-layer photoplates. The plates which were saturated with lithium acetate were irradiated on the synchrocyclotron of the Institute for Nuclear Problems of the Academy of Science in the USSR. The mean energy of positive and negative pions determined in the plates amounted to (295 ± 10) MeV and (300 ± 15) MeV respectively. At present 105 cases of elastic scattering of negative mesons and 149 cases of positive mesons were found within range of the angles of from 10 to 170°. The corrections which were necessary for the estimation of the integral cross section of elastic scattering are mentioned. In consideration of these corrections the following integral cross sections are obtained: $\sigma(\pi^- + p \rightarrow \pi^- + p) = (11 \pm 2$ (millibarn, $\sigma(\pi^+ + p \rightarrow \pi^+ + p) = (63 \pm 10)$ millibarn. The angular distributions of these processes were analyzed on the condition that scattering in the state with the isotopic spin 3/2 and 1/2 takes place with the participation of only S- and P-waves. Therefore, the function of angular distribution may be represented in the following form: $f(\theta) = a + b\cos\theta + c\cos^2\theta$. By the method of the smallest squares the following values were obtained for the coefficients a, b and c for the scattering of

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

SAFRANOVICH, B.M., kand. sel'skokhozyaystvennykh nauk

Diet, maturation, and fertility of some predatory and parasitic insects. Trudy VIZR no.1:126-131 '48. (MIRA 11:7)
(Insects)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

SAFRANOVICH, V.M. [Safranovych, V.M.]

Reducing the coefficient of deceleration on the automatic KAS-14-2s hosiery knitting machines. Leh. prom. no.3:56 Jl-S '64.
(MIRA 17:10)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3"

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SAFRANY, LASZLO

POLICZER, Miklos, Dr.; FOLDES, Janos, Dr.; SAFRANY, Laszlo, Dr.; SZATMARI, Sandorne, Dr., technikai segedletevel.

Problems of radioiodine diagnostic methods based upon the review of literature and 400 own cases. Orv. hetil. 98 no.39:1062-1068 29 Sept 57.

1. A Kutvolgyi uti Allami Korhaz (igazgato: Fenyvesi Jozsef Dr.) Belosztalyanak (foorvos: Policzer Miklos dr., az orvostudomanyok kanditatusa) kozlemenye.

(THYROID GLAND, funct. tests
radioiodine methods, review (Hun))
(IODINE, radioactive
thyroid funct. tests, review of methods (Hun))

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SAFRANY, Laszlo, dr.; IVAN, Maria, dr.; FERENCZ, Adrienn, dr.

The significance of laparoscopy in the differential diagnosis of icteric diseases of the liver and bile ducts. Orv. hetil. 103 no.38: 1798-1802 23 S '62.

1. XXI. ker. Fovarosi Korhaz es Ujpesti Varosi Korhaz.
(ENDOSCOPY) (HEPATITIS) (LIVER CIRRHOSIS)
(JAUNDICE, OBSTRUCTIVE) (GALLBLADDER NEOPLASMS)
(LIVER NEOPLASMS) (LYMPHOSARCOMA) (DIAGNOSIS, DIFFERENTIAL)

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GLUKHIN, Ye.A., kandidat tekhnicheskikh nauk; SAFRASBEKYAN, O.A., inzhener; PERMYAKOVA, A.Ye., inzhener.

Separating capacity and sources of loss in the KKR-2 potato combine. Sel'khozmashina no.3:11-12 Mr '56. (MIRA 9:7)
(Combines (Harvesting machinery)) (Potatoes)

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SAFRATA, STANISLAV

Barium titanate single crystals from barium chloride melts. Stanislav Šafrata, Vendulka Bednářová, and Josef Benoit (Czechoslov. Acad. Sci., Prague). *Czechoslov. J. Phys.* 6, 185-91(1951)(in English).—Mixtures of $BaCl_2$, $BaCO_3$, and pure TiO_2 were melted in pure alundum crucibles, covered with a close fitting alundum covers. For the first series of expts. the mol. ratio $BaCO_3$:TiO_2 was adjusted within the limits 2.1:1.0 to 2.04:1.0, and the mol. ratio $BaCl_2$:TiO_2 between 1.92:1 and 3.85:1. The melt was heated for several hrs. to a max. of 1120°-1290° and then cooled to 800° at rates between 35 and 160°/hr. The melt was then cooled to room temp. In about 12 hrs. When such a melt was dissolved in H_2O, no $BaTiO_3$ crystals were detected. For example, for a melt having a compn. $BaCl_2$:$BaCO_3$:TiO_2 = 3:1.5:1, and with a 4-hr. soaking period at max. temp. 1170°, single crystals of about 0.3 mm. size of $BaTiO_3$ were obtained for a cooling rate of 18°/hr. The yield y of the melt is $y = (m/m_{th})$ 100% wherein m denotes the wt. of $BaTiO_3$ crystals larger than 0.1 mm. and m_{th} is the wt. of $BaTiO_3$ which could be formed, if all TiO_2 in the melt would produce such crystals. The yield in the example mentioned was 0.4%. Lowering the $BaCl_2$ content, and using $BaCl_2$:$BaCO_3$:TiO_2 = 2:1.5:1 with otherwise identical procedures, provided crystals of about 1 mm. size and a yield of 6%. Longer soaking periods (19 hr.) lead to 2-mm. crystals and 16% yield. In an attempt to produce barium titanate crystals according to Matthias (*C.A.* 42, 4015*f*; 43, 4066*d*), bluish crystals were obtained that were hexagonal prisms of several mm. long and slightly sol. in H_2O. X-ray analysis revealed that these crystals are Ba_2TiO_4. X-ray powder diagrams are reproduced. It is

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Safrata, Stanislav; Bednarova, Vendulka...

not possible to grow single barium titanate crystals in covered crucibles from melts having the same compn. as that used by Matthias in open crucibles, where noticeable evapn. modifies the compn. ratio. The closed crucible growing procedure with ratios $BaCl_2:BaCO_3:TiO_2$ either 2:1.5:1 or 3:1.5:1 for a soaking period of 19 hrs. at 1200° and subsequent cooling at a rate of 10°/hr. provides a method by which reproducible results can be obtained.

—M. Mannheimer

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1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

3RD AND 4TH ORDERS

SA

B.66
i

621.396.615.17

4368. A pulse generator. S. SAFRATA AND J. BENEŠ. *Slabopr. Obz.*, 12, 15–20 (*Jan.*, 1951) *In Czech.*

In the pulse generator described the output pulses are both positive and negative and the pulse shape is approximately rectangular. The pulse magnitude may be varied continuously from 0 to 45 V and the pulse length from 0·55 to 1·35 μsec. Single pulses may be triggered by means of a push-button while trigger pulses with frequencies 1, 5, 10, 20 and 30 c/s are supplied by a built-in relaxation oscillator. Trigger pulses with frequency of 50 c/s are obtained from the power line. An external source of alternating voltage may trigger the pulse generator in the frequency range from 5 to 200 000 c/s. A.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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SAFRATA, S.; PRAUS, O.

Session of the Department of Mathematics and Physics of the Czechoslovak Academy of Sciences held on April 13-14, 1954. p. 493

CESKOSLOVENSKY CASOPIS PRO FYSIKU, Vol. 4, No. 4, Sept. 1954

SOURCE: East European Accessions List Vol. 4, No. 11 November 1955

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

SAFRATA, S.; BEDNAROVA, V.

Development of nonocrystals of barium titanate from melts with barium chloride. p. 664

Vol. 5, no. 6, Nov. 1955
CESKOSLOVENSKY CASOPIS PRO FYSIKU
Praha, Czechoslovakia

So: Eastern European Accession Vol. 5, no. 4, 1956

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720004-3

BENES, Josef; SAFRATA, Stanislav

New results of the research on barium titante. Pokroky fys pev lat 3: 7-43 '56.

1. Katedra atomistiky a fysiky pevnych latek, Karlova universita, Praha (for Benes) 2. Fysikalni ustav, Ceskoslovenska akademie ved, Praha (for Safrata).

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Safrata, S.

CZECHOSLOVAK JOURNAL OF PHYSICS

Volume 6, No. 2, April, 1956

Growth of single crystals of barium titanate from melts with barium chloride.

On the basis of experiments carried out on the growing of barium titanate single crystals ($BaTiO_3$) it is shown that data given by B. T. Matthias (Phys.Rev.,73,1948,p.808) are incomplete and insufficient and therefore leading in certain cases to negative results. This paper gives the conditions

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physical research.
by S. Safrata, V. Bednarova, J. Benes.

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Z/002/60/000/005/001/006
A205/A126

AUTHORS: Růžička, Jiří, and Šafrata, Stanislav

TITLE: All-State Conference on Low Temperatures in Prague

PERIODICAL: Věstník Československé akademie věd, no. 5, 1960, 511 - 515

TEXT: I. Celostátní konference o nízkých teplotách (Ist All-State Conference on Low Temperatures) was convened on September 19 - 21, 1960, in Prague in the building of the ČSAV (Czechoslovak Academy of Science). It was organized by the "ÚJV - Ústav jaderného výzkumu ČSAV" (Nuclear Research Institute, ČSAV) in cooperation with the "Komise pro jadernou techniku při Československé vědeckotechnické společnosti" (Commission for Nuclear Engineering at the Czechoslovak Scientific-Technical Society). The conference was attended by 80 delegates of ČSAV working sites, State Research Institutes, Institutes of Higher Education and industrial enterprises. A total of 20 reports were delivered on the following subjects: 1) Use of low temperatures in basic physical research; 2) use of low temperatures in engineering and industry; and 3) helium and nitrogen liquefiers used in the ČSSR and low-temperature laboratory techniques. The opening report on the

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significance of low temperatures in present day physics and engineering was read by Vl. Šváb, Director of the Nuclear Research Institute, ČSAV. Reports presented on subject 1): St. Šafrata, Nuclear Research Institute ČSAV, read a report on low temperatures in nuclear physics and quoted practical examples. In a contribution for discussion, Zd. Kovář, Nuclear Research Institute, ČSAV, described the design of calorimeters with liquid nitrogen, used in dosimetry. J. Pačes, FÚ (Physical Institute), ČSAV, reported on studies concerning magnetism at low temperatures. L. Štourač, ÚTF (Institute of Technical Physics), ČSAV, reported on application of low temperatures to studies of physical properties of semi-conductors. M. Odehnal, Nuclear Research Institute, ČSAV, reported on paramagnetic resonance at low temperatures. M. Koláč, Nuclear Research Institute, ČSAV, reported on measuring of low temperatures. (The use of the temperature scale, approved by the VIth International Conference on Low Temperatures in Leiden, 1958, was recommended). A. Čížek, Natural Science Department of the MU (Abstractor's Note: extension unknown) in Brno, reported on resistometry of metals and alloys. Reports presented on subject 2): J. Růžička, Nuclear Research Institute, ČSAV, reported on the use of low temperatures in production of

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heavy water. J. Veleta of the "Stalinovy závody" gave a survey on modern methods for large-scale production of oxygen, with special emphasis of the low-pressure method. A. Urban of the Research Institute of the "Královopolské strojírny" in Prague described the most modern Czechoslovak "NKP-5" low-pressure oxygen apparatus. L. Vinš of the "Závody vítězného února" in Hradec Králové described the influence of gas-mixture fractionation on the use of cooling cycles. Vl. Smolík of the "Závody vítězného února" in Hradec Králové reported on the design and on the materials used for production of low-temperature fractionating equipment. O. Scholz, SVÚMT (State Research Institute for Materials and Technology) in Prague, reported on methods and results of low-temperature material tests. Reports presented on subject 3): J. Prušák, Nuclear Research Institute, ČSAV, reported on the first Czechoslovak helium liquefier, produced according to Soviet and Czechoslovak documentation by the "Královopolské strojírny", Branch Plant in Děčín, put into operation at the Nuclear Research Institute in Řež near Prague on April 13, 1960. M. Křížek reported on the helium liquefier (product of the West-German firm Linde), which was put into operation at the Institute of Technical Physics, ČSAV, in August, 1960. V. Sahánek, Physical Institute, ČSAV, described the hydrogen liquefier, produced by the

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"Královopolské strojírny" in Děčín according to Soviet documentation, installed at the Physical Institute, ČSAV, in Prague. J. Nedvěd, Nuclear Research Institute, ČSAV, reported on possibilities of using liquefied helium in laboratories which have no own facilities for liquefaction, and recommended the establishment of centers, which supply liquid helium in Dewar vessels. M. Litomický, Nuclear Research Institute, ČSAV, reported on low-temperature laboratory techniques. K. Málek of the "ČKD-Staligrad" described an 80 kw laboratory magnet for production of low temperatures by adiabatic demagnetization. A field trip was arranged on the last day of the conference to the Low-Temperature Section of the Institute for Technical Physics, ČSAV, and to the Physical Institute, ČSAV, in Prague. A resolution was signed, which emphasizes the significance of the Ist All-State Conference on Low Temperatures. Members of the conference expressed their disappointment, that the "ČKD-Stalingrad" Plant discontinued the production of laboratory magnets, which must now be imported. In case the production cannot be resumed by the "ČKD", it was recommended, that another producer be appointed by the Ministry of Heavy Engineering. It was mentioned in the discussion, that compressors, produced in the ČSSR, do not meet world standards,

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and new types with improved parameters should be developed. The metallurgical industry should be encouraged to produce more materials which are suitable to be used at low temperatures. It was also indicated that the next All-State Conference on Low Temperatures should be convened in 2 years.

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D/291/D301

AUTHORS: Habanec, Josef; Šafrata, Stanislav; Nový, František; Franc, Pavel, and Němec, Jan

TITLE: Tasks of nuclear physics and some major equipment of the Nuclear Research Institute

PERIODICAL: Jaderná energie, No. 10, 1961, 330-337

TEXT: The article describes certain equipment of the Czechoslovak Nuclear Research Institute, namely the Soviet-procured cyclotron, a small electrostatic accelerator, the Czech GS-2 hydrogen and helium liquefier and the Soviet HCAK-80 (ZhAK-80) liquefier, and lists some research fields of the institute. The cyclotron can accelerate deuterium ions to 13 mev and alpha-particles to 26 mev. The ion source is a discharge tube for deuterium or helium ionization. The voltage on the dees reaches up to -150 kv, the voltage of the deflector is -70 kv. The 120 cm gap between the pole shoes is made with an accuracy of ± 0.2 mm. A quarter-wave coaxial line for the 10 Mc voltage on the dees eliminates the need for insulators. The rf generator supplying the dees has

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Tasks of nuclear physics ...

an output of 120 kW; the frequency and the intensity of the magnetic field are maintained with an accuracy of 10^{-4}. The cyclotron has in input of 1 Mw, approximately 500,000 kcal/hr are dissipated by the water-cooling system. The accelerator operates in a vacuum of 10^{-5} mm Hg, the total pumped volume is 5 m^3 and the pumps have a capacity of 3,000 l/sec (at 10^{-5}mm Hg). The accelerated beam is vertically and horizontally focused by two quadrupole lenses and is deflected to weaken the cyclotron background. The target chamber at the end of the beam-extraction tube has a separate vacuum system and remotely controlled manipulators. The cyclotron can also be used to produce some radio-isotopes, especially short-lived and pure isotopes without carriers. Tests are being made to obtain polarized beams directly from the cyclotron. A small electrostatic van de Graaff accelerator (1 mev) was designed and built by the institute, under the supervision of Engineer Šimáň, for research purposes and as a test model for constructing a larger accelerator (4-5 mev). The small accelerator for electrons and ions is situated in a pressure container 850 mm in diameter and 2,500 mm high, filled with a mixture of

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Tasks of nuclear physics ... D291/D301

nitrogen and carbon dioxide under a pressure of 15-25 atm. The 48 cm wide conveyor moves with a speed of 21 m/sec. The accelerator tube is 84 cm long and the tension achieved at a pressure of 15 atm. is 1 mv. The larger accelerator was developed and is being produced by the ZVIL National Enterprise in Plzeň. The generator is also situated in a pressure container 200 cm inner diameter and 800 cm high. The space between the hv electrode (820 mm in diameter) and the wall is separated by two jackets, 1,140 and 1,500 mm in diameter, for better utilization of the dielectric. The entire column is 4,500 cm high. The conveyor, made of laminated, rubber-coated silk, is 50 cm wide and moves with a speed of 12 - 20 m/sec. Preliminary verification tests produced a tension of 3.5 mv. The cryogenic laboratory of the Czechoslovak Nuclear Research Institute is equipped with liquefiers for hydrogen, helium and nitrogen, strong magnets, and magnets with high magnetic-field homogeneity. The GS-2 helium and hydrogen liquefier was produced by the Kralovopolská strojírna, n.p., závod Děčín (Kralovopole Machine Plant, National Enterprise, subsidiary in Děčín), according to documentation supplied by the Institute

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