

SERAFIMOV, St.; KHARALAMBIEV, Kh.; IVANOV, Il.

Dynamics of titer in the preparation of serum against swine
erysipelas. Izv Vet inst zaraz parazit 9: 79-82 '63

SERAFIMOV, St.; KHARALAMBIEV, Kh.; IVANOV, Il.

Influences of certain properties of commercial strains on the activity of the serum against swine erysipelas. Izv Vet inst zaraz parazit 8:127-131 '64

SERAFIMOV, V.

Problem of pain with special reference to nervosism. Stomatologia,
Sofia no.6:323-330 1953.

1. Starshi asistent pri Instituta po patofiziologiiia.
(PAIN,
physiology)

SERAFIMOV, V. - Kandidat na meditsinskite nauki

Neuroreception of the oral cavity and physiologic and pathologic significance. Stomatologia, Sofia. No. 1:5-14 1955.

(MOUTH, innervation,
neural reception)

SERAFIMOV, V., kandidat na med. nauki.

Renal alloxan diabetes. Suvrem.med., Sofia 6 no.7:15-20 1955.

1. Iz Katedrata po patologiczna fiziologija pri Visshia meditsinski institut V.Chervenkov, Sofia (zav. katedrata: red. dots. S.Pisarev).

(GLYCOSURIA, experimental,
alloxan renal diabetes)

(ALLOXAN, effects,
exper. renal diabetes)

SERAFIMOV, V.; POPDIMITROV, I.

Resuscitation of the organism following clinical death in dogs with a denervated carotid sinus. Biul.eksp.biol.med. 42 no.6:16-19 Je '56.

1. Iz patofiziologicheskoy laboratorii (zav. - kandidat meditsinskikh nauk V.Serafimov) Instituta gematologii i perelivaniya krovi (dir. A.A.nastasov), Sofiya. Predstavlena deystvitel'nyim chlenom AMN SSSR V.N.Chernigovskim.

(RESUSCITATION

after exper. death in dogs with denervated carotid sinus)

(DEATH

exper. death o dogs, resuscitation, in eff. of denervation of carotid sinus)

(CAROTID SINUS, physiol.

eff. of denervation on resuscitation in dogs after exper. death)

SERAFIMOV, V.

"Influence of electric shock on the sensibility of white rats to the diabetic effect of alloxan. Report 1."

IZVESTIIA. SERIJA EKSPERIMENTALNA BIOLOGIJA I MEDITSINA, Sofia, Bulgaria,
No. 2, 1957.

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

Unclassified

SERAFIMOV, T.

Experimental data for resuscitation of organism in hypothermia, preliminary report. Khirurgiia, Sofia 10 no.3:220-224 1957.

1. Nau chnoisledovatel'ski Institut po hematologija i krvotvorenje. Direktor: A. Anastasov.

(HYPOTHERMIA, exper.

resuscitation in dogs, physiol. (Bul))

(RESUSCITATION,

in exper. hypothermia, physiol. (Bul))

SERAFIMOV, V.

Problem of producing medium-sized wood material for construction. p. 31.

GOREKO STOPANSTVO VOL. 12, no. 1, Jan. 1956

Sofiya, Bulgaria

sc.EAST EUROPEAN ACCESSIONS LIST VOL. 5, no. 7, July 1956

SERAFIMOV, V. N., Cand Agric Sci (diss) -- "The hydrological role of oak forests". Moscow, 1960. 21 pp (Moscow Order of Lenin Agric Acad im K. A. Timiryazev), 110 copies (KL, No 10, 1960, 134)

~~SERAFIMOV-DIMITROV, V.~~

Tissue clearance in exchange transfusion using erythrocyte suspension in dextran. Suvrem. med., Sofia 9 no.8:18-25 1958.

1. Iz laboratoriiata po eksperimentalna patologia na Leningradskia institut po karuvopelivane. (Zav. labor: chlen.-koresp. AMN SSR prof. I. B. Petrov) (Direktor na instituta: dots A. D. Beliakov).

(DEKTRAN,

exchange transfusion with erythrocyte suspension in dextran (Bul))

(BLOOD TRANSFUSION,

erythrocyte suspension in dextran in exchange transfusion (Bul))

SERAFIMOV-DIMITROV, V.

Degree of substituting the erythrocytes and the extracellular liquid
after replacing the blood. Izv biol med BAN 3 no.3:63-71 '59.

(EEAI 10:4)

1. Nauchnoizsledovatel'ski institut po khematologiya i krvoprelivane
(Direktor: Serafimov-Dimitrov, V.)
(BLOOD)

SERAFIMOV-DIMITROV, V.

On Ketty's method for the investigation of capillary circulation.
Suvrem.med., Sofia no.8:64-72 '59.

1. Iz Patofiziologichnata laboratoria na Nauchnoizsledovatelskia
institut po khematologia i krvoprelivane. Zav.laborat.: V. Sera-
fimov-Dimitrov.

(CAPILLARIES physiol.)

(BLOOD CIRCULATION physiol.)

SERAFIMOV-DIMITROV, V.; POPDIMITROV, I.; STOICHKOV, I. (Sofiya)

Pressor and depressor regulation of blood circulation in
resuscitation following clinical death. Pat. fiziol. i eksp.
terap. 4 no. 5:47-51 S-0 '60. (MIRA 13:12)

1. Iz patofiziologicheskoy laboratorii (zav. V.Serafimov-Dimitrov)
Bolgarskogo nauchno-issledovatel'skogo instituta gematologii i
perelivaniya krovi.

(RESUSCITATION) (BLOOD CIRCULATION)

SERAFIMOV-LIMITROV, V.

Current problems in exchange transfusion of blood. Probl. gemat.
i perel. krovi 9 no.5:7-13 My '64. (MIRA 18:3)

1. Nauchno-issledovatel'skiy institut gematologii i perelivaniya
krovi (dir.- V. Serafimov-Limitrov), Sotiya.

SERAFIMOV-DIMITROV, V. (Bolgariya)

Concept of general hematology. Probl. genet. i persl. krov
10 no. 2:3-8 F '64. (MIRA 19:1)

L 07148-67 FCC
ACC NR: KP7001025

SOURCE CODE: UR/0203/66/006/002/0352/0356

AUTHOR: Letfus, V.; Serafimov, K.

29
B

ORG: [Letfus] Astronomical Institute, CSAV; [Serafimov] Geophysical Institute,
BAN

TITLE: Ionization of the E layer and solar x-radiation in the range 44-60 A

SOURCE: Geomagnetizm i aeronomiya, v. 6, no. 2, 1966, 352-356

TOPIC TAGS: solar x radiation, atmospheric ionization

ABSTRACT: In the paper cited below it is demonstrated that when computing the seasonal variation in aeronomic parameters and take into account variations of temperature with height and time. This is feasible by constructing a curve of the annual dependence of the values of the characteristic number on solar zenith angle. The characteristic numbers obtained in this way for the Year of the Quiet Sun (1964) for one station correspond well to the intensity of solar x-radiation in the range 44-60A. The method employed is described fully, followed by an exposition of application of the method. Orig. art. has: 1 figure and 6 formulas.

[JPRS: 35,809]

SUB CODE: 04,03 / SUEM DATE: 03Mar65 / ORIG REF: 007 / OTH REF: 006

Card 1/1

UDC: 550.388.2

0924 00 27

SERAFIMOV, L.A.; POTAPOV, G.Ye.; L'VOV, S.V.

Directed study of the phase equilibrium of nonideal multicomponent systems by separated pairs. *Khim.i tekhn.topl.i masel* 5 no.12:10-14 D '60. (MIRA 13:12)

1. Institut tonkoy khimicheskoy tekhnologii im. M.V.Lomonosova.
(Phase rule and equilibrium)

SUKHOVA, M.N.; YEROFEYEVA, T.V.; GVOZDEVA, I.V.; NIKIFOROVA, N.F.; DOTSENKO, T.K.; DEM'YANCHENKO, R.P.; BIRALO, T.I.; SERAFIMOVA, A.M.; MDSUNOV, V.B.; SAMSONOVA, A.M.; STOROZHEVA, Ya.M.; SURCHAKOV, A.V.

Methods of applying insecticides to control synanthropic flies.
Zhur.mikrobiol., epid.i immun. 33 no.8:15-19 Ag '62.

(MIRA 15:10)

1. Iz Tsentral'nogo nauchno-issledovatel'skogo dezinfektsionnogo instituta Ministerstva zdravookhraneniya SSSR, Mytishchinskoy gorodskoy sanitarno-epidemiologicheskoy stantsii, Kuybyshevskogo instituta epidemiologii i mikrobiologii, Minskoy gorodskoy dezinfektsionnoy stantsii, Brestskoy sanitarno-epidemiologicheskoy stantsii, Tashkentskoy gorodskoy dezinfektsionnoy stantsii i Tashkentskoy gorodskoy sanitarno-epidemiologicheskoy stantsii.

(INSECTICIDES)

(FLIES--EXTERMINATION)

VASILENKO, L.N.; SERAFIMOVA, A.M.

Use of chlorophos in the control of houseflies resistant to the
action of chlorinated hydrocarbons. Zhur.mikrobiol., epid.i immun.
33 no.8:124 Ag '62. (MIRA 15:10)

1. Iz Brestskoy oblastnoy sanitarno-epidemiologicheskoy stantsii.
(FLIES--EXTERMINATION) (CHLOROPHOS)

SUKHOVA, M.N.; GVOZDEVA, I.V.; MISNIK, Yu.N.; TETEROVSKAYA, T.O.; BOLOTOVA, T.A.; KHOLDCOVA, G.K.; STOROZHEVA, Ye.M.; SAMSONOVA, A.M.; MOSUNOV, V.B.; NESELOVSKAYA, V.K.; GOL'DINA, G.S.; SERAFIMOVA, A.M.; BIRALO, T.I.; VASILENKO, L.N.

Sensitivity to chlorophos, trichlorometaphos, DDT, hexachloro-cyclohexane and polychloropinene in housefly populations following the use of these insecticides for several years. Zhur. mikrobiol., epid. i immun. 42 no.8:7-14 Ag '65. (MIRA 18:9)

1. Tsentral'nyy nauchno-issledovatel'skiy dezinfetsionnyy institut, Moskva, Mytishchinskaya i Tashkentskaya gorodskiy sanitarno-epidemiologicheskiye stantsii, Tashkentskaya i Minskaya gorodskiy dezinfektsionnyye stantsii i Brestskaya gorodskaya i Brestskaya oblastnaya sanitarno-epidemiologicheskiye stantsii.

SERAFIMOV, K.; ANASTASOV, M.; NEDELKOVSKI, J.; SERAFIMOVA, E.

Contribution to the treatment of secondary echinococcosis of the kidney. Acta chir. Iugosl. 8 no.4:371-377 '61.

1. Hirurska klinika (Upravnik prof. dr D. Arsov) Medicinskog fakulteta u Skopju.

(ECHINOCOCCOSIS surg) (KIDNEY DISEASES surg)

SERAFIMOV, Koc; GEORGIJEV, Krsto; SERAFIMOVA, Elisaveta

Carcinma of the biliary tract. God.Zborn,Med.Fak.Skopje
no.10:79-83 '63.

1. Univerzitetska hirurska klinika - Skopje (Upravnik prof.
d-r B. Dragojevic) i Univerzitetska interna klinika - Skopje
(upravnik prof. d-r D. Arsov).

SERAFIMOV, K., doc. dr.; KARAGJOZOV, P., prof. dr.; ANASTASOV, M., doc. dr.;
SERAFIMOVA, E., dr.

Use of trasyolol in acute pancreatitis. Med. glas. 18 no. 1:
38-40 Ja-F '64

1. Hirurska klinika Medicinskog fakulteta u Skopju (Upravnik:
prof. dr. B. Dragojevic) i Interna klinika Medicinskog fakulteta
u Skopju (Upravnik: prof. dr. D. Ansoj).

SERAFIMOVA, J.; NEDELKOVSKI, J.; SERAFIMOV, K.

On a case of Cruveilhier-Baumgarten disease. Acta chir. Jugosl.
8 no.3:246-252 '61.

1. Interna klinika (Upravnik prof. dr D.Arsov) i Hirurska klinika
(Upravnik prof. dr B.Dragojevic) Medicinskog fakulteta u Skopju.
(LIVER CIRRHOSIS case reports)

UZUNOVA, S.; SERAFIMOVA, K.

Expression of the radiation angle of an antenna in the vertical plane for covering a given distance. Doklady BAN 15 no.3:265-268 '62.

1. Predstavleno akad. L. Krystanovym [Krustanov, L.], chlen Redaktsionnoy kollegii i otvetstvennym redaktor, "Doklady Bolgarskoy Akademii Nauk."

SERAFIMOVA, R.

Storage of fig pollen in connection with some problems of selection.
12v 1sentrals lab genet 1:161-166 '63.

SERAFIMOVA, Ruska

The unions of the Match Factory at Gara Kostenev and the State Industrial Enterprise "Surp i chuk" at Gabrovo also took over the functions of the technical councils. With the increased creativeness, the new pledges are taken. First results rating high. Tekh delo 13 no.430:1 9 Je '62.

NIKOLCHEV, N., inzh.; SERAFIMOVA, Ruska

In honor of the 8th Congress of the Party, a new social principle is boldly thrusting its way forward. The unions in the Textile Combine "Purvi mai" at Varna and the Carbide Plant at Asenovgrad took over the functions of the technical councils of their respective enterprises and so, fully aware of their own strength and forces, undertook new pledges and obligations.

Tekh delo 13 no.431:l 16 Je '62.

SERAFIMOVA, S.

Our experiences in the treatment of prognathism. God. zborn.
med. fak. Skopje 11:145-152 '64.

1. Stomatoloska klinika, oddel za ortopedija na vilici i zabi
(upravnik: prof. d-r. D. smilev).

KIRSANOV, I.P.; MEDVEDEVA, G.G.; SERAFIMOVA, Ye.K.

Fumirole activity of the Avacha and Koryak Volcanoes. Bul.
vulk. sta. no.38:3-32 '64. (MIRA 18:3)

KIRSANOV, M.T.; SERAFIMOVA, Ye.K.; SIDOROV, S.S.; TRUBENKO, V.F.;
FARBEROV, A.I.; FEDORCHENKO, V.A.; SHILOV, V.N.

Eruption of the Ebeko Volcano from March to April, 1963.
Biul. vulk. sta. no.36:66-72 '64. (MIRA 17:9)

SERAFIMOVA-TOMOVA, Draganka, arh.

Significance of the color as element of composition in the
perception of space. God zbor teh Univ Skopje 4:67-74 '59/61.

VLASOVA, Antonina Aleksandrovna; DRUGALEVA, Zinaida Samuilovna;
ZHUKOVA, Larisa Mikhaylovna; GOLUBEVA, K.A., inzh., retsen-
zent; MASLIY, K.Ya., zuborez, retsenzent; ZHUKOV, P.A., kand.
ekon.nauk, red.; SERAFIMOVICH, B.V., red. vypuska; BELYAKOV,
M.N., red.; ROZENBERG, I.A., kand.ekon.nauk, red.; SMIRNITS-
KIY, Ye.K., kand.ekon.nauk, red.; SUSTAVOV, M.I., inzh., red.;
DUGINA, N.A., tekhn.red.

[How to increase labor productivity] Kak povysit' proizvodi-
tel'nost' truda. Moskva, Mashgiz, 1960. 37 p. (Biblioteka
rabotego mashinostroitel'ia: Seriya "Osnovy konkretnoi ekono-
miki," no.6) (MIRA 14:5)
(Machinery industry--Labor productivity)

IVANOV A., SERAFIMOVICH L.^{8.} GALDIN M.

Harvesting Machinery

Complete mechanization of fodder harvesting work. MTS 12 no. 5, 1952.

9. Monthly List of Russian Accessions, Library of Congress, August 1952 ~~1960~~¹⁹⁶¹. Unclassified.

SERAFIMOVICH, I. P. ENGINEER

"Experimental and Theoretical Investigation of the Operational Members of the Shaft in a Mobile Grain Elevator." Thesis for degree of Cand. Technical Sci., Sub 16 May 49, Moscow Order of the Labor Red Banner Engineering Construction Inst. Inst. V.V. Kuznetsov.

Summary 83, 10 Dec. 50, Dissertations Presented for Degrees in Science and Engineering in Moscow in 1949. From Vechernyaya Moskva, Jan-Dec 1949.

SERAFIMOVICH, M. M.

PLANE I BOOK EXPLOITATION SOV/4944

Lamsey, P.V., Candidate of Technical Sciences, Docent, Ed. Parodoyevy shtetki (Advanced Experiences in Forging) (Leningrad) Leningrad, 1959. 246 p. 5,000 copies printed.

M.: Ye.Ye. Yemel'yanovs) Tech. Ed.: I.M. Tikhonov.

PURPOSE: This collection of articles is intended for workers and engineers in die-forging shops and for personnel of affiliated branches in the machine industry.

CONTENT: The articles deal with the advanced experience of a number of Leningrad plants in mechanizing and improving production methods in die forging. Recommendations are made concerning the specialization of forging shops and the further development of open-die forging processes by the use of drop-forging machines and presses. The collection contains 11 articles and 17 tables. The articles are included. The collection contains some of the papers which were discussed during the conference in June 1954 (P.V. Lamsey, Chairman) on open-die forging, called by the regional section for the pressworking of metals of the Leningradskoye Pravleniye nauchno-issledovatel'skoye obshchestvo mashinostroyeni'noy promyshlennosti (Leningrad Administration of the Scientific and Technical Society of the Machine Industry) and the Leningradskiy dom nauchno-tekhnicheskoy propagandy (Leningrad House of Scientific and Technical Propaganda). The forward includes a list of the participants who submitted papers to the aforementioned conference. There are no references.

References: Moskvin, V.G., Chief Press Engineer, Unpressing Shop, Making Forging From Gallow-Fore Ingots

Advanced Experience in Forging	79
<u>Chernya, Yu.L.</u> , Engineer. Hot Pressing of Steel Ingots Instead of Forging Them	88
<u>Golubov, P.M.</u> , Chief of Section. Improving the Press-Forging Processes	96
<u>Muryagin, P.Y.</u> , Operator-Innovator. Making Large Forgings With Methods "Klondokos" and "Minimam Inclinations From the Given Dimensions	109
<u>Golovinskiy, S.L.</u> , Engineer, <u>V.M. Kutubinskiy</u> , Candidate of Technical Sciences, and <u>Ish. Plesner</u> , Engineer. New Methods of Making Hydrocylinder Shafts	116
<u>Trifonov, B.A.</u> , Senior Foreman. Experience in the Operation of a 12,000-ton Forging Press	134
<u>Mikhailov, V.M.</u> , Operator-Innovator, Hero of Socialist Labor. Experience in Promoting Efficient Forging Processes on a 1000-Ton Press	146
<u>Dudkov, S.E.</u> , Deputy Chief of Shop, and <u>S.M. Ershilin</u> , Engineer. From the Experience of the Leningradskiy Metallicheskoy Zavod (Leningrad Metal Plant) in Forging-Shop Operation	178
<u>Kirayev, P.M.</u> , Chief of Section, <u>M.H. Kavititskiy</u> , Engineer, and <u>I.L. Olsert</u> , <u>Mez</u> , Operator-Innovator. Advanced Experience of the Forging Operators of the Ural Plant.	206
<u>Amosov, N.L.</u> , Chief Process Engineer, Forging Shop. Examples of Promoting Efficiency in the Drop-Forging Processes	224
<u>Medvedeva, I.M.</u> , Engineer. Promoting Efficiency in the Drop-Forging Processes	234
<u>Serafimovich, M.M.</u> , Operator-Innovator. Examples of Promoting Efficiency in the Production of Small Forgings	254

AVAILABLE: Library of Congress

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1/28/62

SERAFIMOVICH, N.B.

Studying the biological heterogeneity of populations of the tall
oat grass (*Arrheatherum elatius* (L.) M. et K. Trudy Bot. inst.
Ser 3 no. 12:196-210 '60. (MIRA 14:1)
(Oat grass)

SHENNIKOV, A.P.; SERAFIMOVICH, N.B.

Effect of the spacing of plants on the tall oat grass (*Arrhenatherum*
elatius (L.) M. et K.). Trudy Bot. inst. Ser. 3 no.14:208-226
'63. (MIRA 16:9)

(Otradnoye region (Leningrad Province)—Oat grass)
(Plants, Space arrangement of)

SERAFIMOVICH, N.B.

Biology of the tall oat grass (*Arrhenatherum elatius*). Bot.
zhurn. 49 no.7:1003-1008 JI '64 (MIRA 17:8)

1. Botanicheskij institut imeni Komarova AN SSSR, Leningrad.

STEARING, G. W.; MARCHLEWICZ, Yu. I.

Effect of moisture permeability of polymer films on the corrosion
rate of iron. Zashch.met. 1 no.6:692-702 N-D '65.

(MIRA 18:11)

L. S. Gosyuzany nauchno-issledovatel'skiy institut po stroitel'-
stvu registral'nykh truboprovodov.

ANDREYEVA, Ye.A., kand. khimicheskikh nauk; BULAYEV, V.I., inzh.;
VALYUSKAYA, D.P., inzh.; ZINEVICH, A.M., inzh.; PROKOP'YEV,
V.I., kand. tekhn. nauk; SERAFIMOVICH, V.B., inzh.

Protecting underground pipelines with cementing polymer
coatings. Trudy VNIIST no.17:5-52 '63. (MIRA 18:3)

SERAFIMOVICH, V.B., inzh.; VALUYSKAYA, D.P., inzh.

Insulation of joints with strips of adhesive material. Stroi.
truboprov. 7 no.9:31 S '62. (MIRA 15:11)
(Corrosion and anticorrosives) (Pipe)

L 17148-62 EPA(s)-2/EWT(m)/EPF(c)/EPR/EWP(j)/T Pc-4/Pr-4/Ps-4/Pt-10
ACCESSION NR: AR4049273 WW/RM S/0081/64/000/015/K012/K012 4/2

SOURCE: Ref. zh. Khimiya, Abs. 15K82

AUTHOR: Andreyeva, Ye. A., Bulayev, D.P., Zinevich, A.M., Prokof'yev, V.I.,
Serafimovich, V.B.

TITLE: Protective coating of underground piping with adhesive polymer films

CITED SOURCE: Tr. Vses. n.-i. in-ta po str-vu magistral'n. truboprovodov, vy'p.
17, 1963, 4-51

TOPIC TAGS: underground pipe, insulation material, polymer film, adhesive polymer
film, protective coating, polyethylene film, polyvinyl chloride

TRANSLATION: The authors studied and developed new insulation materials based on
adhesive polymer films. They also developed methods of applying these coatings to
piping, improved the procedures for evaluating film properties and wrote requirements
for adhesive polymer films designed for pipe insulation. It is noted that the high-pressure
adhesive polyethylene films for underground piping insulation, currently manufactured by
the Okhtinskiy Khim. Kombinat (Okhtinsk Chemical Combine) according to the technical

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L 17148-65
ACCESSION NR: AR4049273

specifications of VNIIST satisfy the requirements for pipe coatings. As indicated by experiments, these films can be used year-round to coat piping at air temperatures above and below the freezing point. Introduction of the use of adhesive polymer films is limited at present by their inadequate supply and high cost. The economic effectiveness of applying adhesive films on piping represents an important aspect in the introduction of this product. Comparative calculations of the cost efficiency in applications of adhesive polyvinyl chloride films and strongly reinforced bituminous resin insulation on 720-mm pipe have demonstrated that the use of plastic films in place of bituminous compositions can produce an annual saving (per 100 km of piping) totalling 122,200 rubles. Bibl. with 23 titles. N. Popova

ASSOCIATION: none

SUB CODE: MT

ENCL: 00

Card 2/2

SERAFIMOVICH, V.B.

Underwater repair of the pipeline insulation using a
polymeric coating. Stroi. truboprov. 8 no.8:20 Ag '63.
(MIRA 16:11)

I 23889-66 EWT(m)/EWP(j)/T/EWP(t) IJP(c) JD/WB/RM
ACC NR: AP6038627 (N)

SOURCE CODE: UR/0365/65/001/006/0698/0702

AUTHORS: Serafimovich, V. B.; Mikhaylovskiy, Yu. N.

47
B

ORG: All-Union Scientific Research Institute for Construction of Mains
(Vsesoyuznyy nauchno-issledovatel'skiy institut po stroitel'stvu magistral'nykh truboprovodov)

TITLE: Effect of moisture permeability of polymeric ¹⁵films upon the iron corrosion
rate

27 18

SOURCE: Zashchita metallov, v. 1, no. 6, 1965, 698-702
iron,

TOPIC TAGS: corrosion rate, corrosion protection, protective coating, polyvinyl chloride, polyethylene plastic / V-118 polyvinyl chloride

ABSTRACT: The rate of corrosion of Armco iron was investigated as a function of moisture permeability of polyethylene,^{15(I)} and of polyvinyl chloride,^{15(V-118)}(II) covering films. The study was of considerable interest because the polymeric films are widely used as protective coverings for underground and naval metallic equipment. Moisture permeability of the films and iron corrosion (measured by increase of sample weight) were determined at 20C in an atmosphere of constant moisture content (40, 70, and 98%). It was established that the corrosion process was independent of the moisture permeability of the covering when experiments were conducted in an atmosphere of uncontaminated moisture. The process was entirely a

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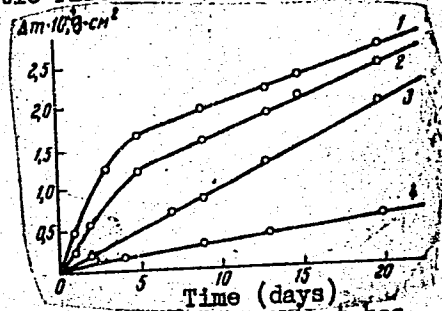
UDC: 620.198

L 23889-66

ACC NR: AP6038627

function of the kinetics of the electrochemical processes taking place at the interface of the adsorption films of moisture and the metal surface. Presence of aggressive substances on the surface of the metal, as well as their penetration by diffusion through the protective films, results in a drastic rise of the corrosion rate, as can be seen in Fig. 1.

Fig. 1. Increase of weight of iron samples with surface underneath the polymeric films activated with NH_4Cl as function of the time spent in atmospheres with various moisture content: material, film thickness (μ), moisture content:
 1 - II, 200, 98%; 2 - II, 200, 70%;
 3 - I, 80, 98%; 4 - I, 80, 70%.



Corrosion, in this case, is a linear function of the amount of moisture that has penetrated the protective film. Orig. art. has: 1 table and 4 figures.

SUB CODE: 11, 13, 07/ SUBM DATE: 14Jun65/ ORIG REF: 009/ OTH REF: 002

Card 2/2

LATYSHIN, K.V., kandidat tekhnicheskikh nauk; SERAFIMOVICH, V.S., kandidat tekhnicheskikh nauk.

Increasing brake efficiency and control of automatic brakes used on freight cars. Tekh.zhel.dor. 15 no.2:24-26 Mr '56. (MIRA 9:7)
(Railroad--Brakes)

SERAFIMOVICH, V.S.

Increasing the efficiency and control of automatic brakes on freight trains. Tr.
from the Russian.

p. 63 (Zeleznicni Technika. Vol. 5, no. 3, Mar. 1957, Praha, Czechoslovakia)

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

SERAFIMOVICH, V.S., kand.tekhn.nauk; SARANTSEV, Yu.S., red.; KHITROV, P.A.,
tekhn.red.

[Automatic control of the lever transmission of cars] Avtomati-
cheskii reguliator rychazhnoi peredachi vagonov. Moskva, Gos.transp.
zhel-dor.izd-vo, 1959. 42 p. (MIRA 14:3)
(Railroads--Brakes)

SERAFIMOVICH, Viktor Stepanovich, kand. tekhn. nauk; POPOV, D.V.,
inzh., retsenzent; BRAYLOVSKIY, N.G., inzh., red.; KHITROVA, I.A., tekhn
red.

[Automatic regulators of the brake gear of railroad cars and
locomotives] Avtomaticheskie regulatory tormoznoi rycheznoi
peredachi vagonov i lokomotivov. Moskva, Transzheldorizdat,
1962. 96 p. (MIRA 15:6)
(Railroads—Brakes) (Automatic control)

INOZEMTSHEV, V.G., kand. tekhn. nauk; SERAFIMOVICH, V.S., kand. tekhn. nauk

Efficiency of braking when using the automatic provisory No.536
regulator. Vest. TSNTI MPS 24 no.8:14-16 '65.

(HEBA 19:1)

VOROB'YEV, S.I. (Leningrad); KRIVOROT'KO, V.N. (Leningrad); SERAFIMOVICH,
V.S., starshiy nauchnyy sotrudnik (Leningrad)

Repair of the regulators of brake rigging. Zhel. dor. transp.
47 no. 11:60-62 N '65 (MIRA 19:1)

1. Master avtokontrol'nogo punkta vagonnogo depo Leningrad-Sertirovochnyy Oktyabr'skoy dorogi (for Vorob'ye-). 2. Starshiy inzh. vagonnoy sluzhby Oktyabr'skoy dorogi (for Krivorot'ko). 3. Vsesoyuznyy nauchno-issledovatel'skiy institut zheleznodorozhnogo transporta Ministerstva putey soobshcheniya (for Serafimovich).

PAPIU, V.C.; POPESCU, A.; SERAFIMOVICI, V.

Lithogenetic importance of the carbonated rocks in the epizone of
Poiana Rusca Massif. Dari seama sed 49 pt.2:53-67 '61-'62[publ. '64].

1. Submitted December 8, 1961.

YUGOSLAVIA / General and Special Zoology. Insects.
Insect and Mite Pests.

P

Abs Jour: Ref Zhur-Biol., No 12, 1958, 54404.

Author : Serafimovski, Aleksandar.
Inst : Not given.
Title : The Conifer Snout Moth.

Orig Pub: Zashtinta bilja, 1956, No 37, 93-97.

Abstract: This article gives the biology and the economic significance of the snout moth, mass propagation outbreak of which has been recorded in Macedonia for the first time. The cone-berries in an almost isolated juniper woods, were thoroughly infested with the pests.

Card 1/1

PAPIU, V., Corvin; POPESCU, A.; SERAFIMOVICI, V.; DUTU, Marcela

Geologic and petrographic research in the dolomite
Hunedoara Massif. Dari seama sed 47:323-344 '59/60
[publ. '62.].

COUNTRY : USSR
CATEGORY : Cultivated plants. Cereals. H
ABS. JOUR. : RZhEiol., No. 23, 1958, No. 104597
AUTHOR : Lvchinnikov, N. N., Serafimskiy, V. A.
INST. : USSR Hydrometeorological Institute.
TITLE : Nitrogen Content in Grains Formed in Different Parts of
Inflorescence.
CPIC. PUB. : Seleksiya i semenovodstvo, 1958, no. 1, 70-71
ABSTRACT : A report on the experiments at USSR Hydrometeorological
Institute in the study of N content in the grains of wheat
and rye spikes and corn ears. The N content in a grain
and also the percentage content of total N and raw protein
vary in relation to the place of the formation of grains
within the area of inflorescence. It was found that the
greatest amount in winter wheat grains which form in the
second flowers of spikelets in the middle part of the
spikes. The percentage content of total N and raw protein
increases somewhat from the upper part to the lower. In

Card: 1/1

2

S/081/62/000/023/040/120
B166/B101

AUTHORS: Serafin, Barbara, Urbański, Tadeusz

TITLE: Reactions of amines with cyanguanidine. Part XI. Heterocyclic derivatives of amidineurea

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 23, 1962, 294-295, abstract 23Zh234 (Roczn. chem., v. 36, no. 4, 1962, 679-683 [Eng.; summaries in Pol. and Russ.])

TEXT: Hydrolysis of biguanides $RR'NC(=NH)NHC(=NH)NH_2$ (Ia-d; (a) R = H, R' = quinolyl-6; (b) R = H, R' = quinolyl-8; (c) RR'N = morpholino; (d) RR'N = piperidino) with dilute HCl gives the corresponding amidineureas $RR'NCONHC(=NH)NH_2$ (IIa-d). In the same way piperazine-bis-biguanide (III) is converted into piperazine-bis-N-formylguanidine (IV). IIa, b hydrochlorides with boiling aniline form guanidine, $CO(NHC_6H_5)_2$ and 6- or 8-aminoquinoline respectively, probably via the intermediate formation of the corresponding 1-quinolyl-3-phenylurea. 2 g Ia hydrochloride in

Card 1/3

Reactions of amines with...

S/081/62/000/023/040/120
B166/B101

20 ml 3 N HCl are boiled for 30 min, cooled, then IIa dihydrochloride, $C_{11}H_{11}N_5O \cdot 2HCl$, is separated, yield 65%, m.p. 171-173°C (from alcohol);

IIa, m.p. 200-202°C (decomposition; from water); monopicrate, m.p. 242-244°C; dinitrate, m.p. 203-204°C are also separated. 8-aminoquinoline, cyanguanidine and 3 N HCl (0.017 moles each) are boiled for 2 hrs giving Ib hydrochloride, $C_{11}H_{12}N_6 \cdot HCl$, yield 80%, m.p. 243-245°C (from water);

Ib, m.p. 163-165°C (from water; dipicrate, m.p. 210-211°C. 0.1 mole piperidine hydrochloride and 0.1 mole cyanguanidine are heated for 3 hrs at 130-140°C; they are then ground in alcohol; ether is added and the product is Id hydrochloride, $C_7H_{15}N_5 \cdot HCl$, yield 70%, m.p. 205-207°C (from alcohol).

IIa are produced in the same way, as follows (order of data: initial substance, products, gross formula of base, yield % hydrochloride, melting point °C of the base, the hydrochloride and the picrate):

Ib hydrochloride (solution half evaporated), IIb, $C_{11}H_{11}N_5O$, 70, 158-160 (from water), -, 235-237 (decomposition); Ic hydrochloride (12% HCl, boiled 45 min, cooled to 50°C, 50 ml acetone added), IIc, $C_6H_{12}N_4O_2$, 60, 178-179, 218-220 (from 50% acetone), 212-213; Id dihydrochloride (12% HCl, boiled

Card 2/3

Reactions of amines with...

S/081/62/000/023/040/120
B166/B101

30 min and water removed by vacuum distillation), IIIa, $C_7H_{14}N_4O$, 72, 176-177, 203-205, -. 15 g III hydrochloride are boiled for 45 min in 45 ml 12% HCl, this is cooled and alcohol is added separating IV dihydrochloride, $C_8H_{16}N_8O_2 \cdot 2HCl$, yield 60%, m.p. 237-239°C (from dilute alcohol); IV, m.p. 199-200°C; picrate, m.p. 223-224°C; dinitrate (from the dihydrochloride and 50% HNO_3), m.p. 200-201°C (alcohol precipitated). For part X see RZhKhim, 1960, no. 18, 73392. [Abstracter's note: Complete translation.]

Card 3/3

POLAND/Microbiology - Microbes Pathogenic for Man and Animals. F
Brucellae

Abs Jour : Ref Zhur Biol., No 22, 1958, 99430

Author : Rogalski, L., Serafin, C.

Inst : -

Title : Effect of the Concentration of Sodium Chloride upon
the Agglutination Reaction with the Antigen of Brucella
abortus bovis in Swine.

Orig Pub : Med. weteryn., 1957, 13, No 6, 333-334

Abstract : A test agglutination in solutions of sodium chloride
(0.5, 0.85, 2.5, 5, 10, 20, and 25%) was performed with
blood sera of 206 swine to be slaughtered. Suspensions
of Br. abortus bovis were used as antigens. A positive
result was obtained in 86 cases. The reactions were more
accurate and attained a higher titer with a 5 and 10%
solution of salt than with a physiological solution. --
M.A. Gruzman

Card 1/1

SERAFIN, Danuta, mgr inz.; JANIK, Aleksander, mgr inz.; MACIEJOWSKI,
Franciszek, mgr inz.

Spectrophotometric determination of Poligard and Antos FF
antioxidants in butadiene-styrene resins. Chem anal 9 no.1:
65-68 '64.

1. Research Department, Chemical Works, Oswiecim.

SERAFIN, J.

The origin of the metric system of weights and measures in Poland. p.434
(POMIARY, AUTOMATYKA, KONTROLA, Vol. 2, No. 11, Nov. 1956, Warsaw, Poland)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 9, Sept. 1957, Uncl.

SERAFIN, Jadwiga

Preservation of zinc and lead in the mine waters of the Boleslaw mine. Kwartalnik geol 5 no.4:970-971 '61.

1. Zaklad Zloz Rud Metali Niezelaznych, Instytut Geologiczny, Warszawa.

SERAFIN, Jadwiga

Problem of metalliferous deep waters in the Boleslaw region.
Kwartalnik geol 7 no.1:37-52 '63.

1. Zaklad Zloz Metali Niezelaznych, Instytut Geologiczny,
Warszawa.

SERAFIN, Jadwiga

A map showing the metal bearing character of Triassic and Jurassic waters in the northeastern part of Upper Silesia. Przegl geol 11 no.11:480-482 N '63.

1. Instytut Geologiczny, Warszawa.

POL/7-60-22-40/46

AUTHOR: Serafin, Józef, Master

TITLE: Super-Sonic Transport Aircraft in View of the ICAO Regulations.

PERIODICAL: Skrzydlata polska, 1960, No. 22, Supplement "Przegląd
lotnictwa cywilnego" 1960, No. 11, pp. 3 - 4

TEXT: The article describes requirements drafted by the International
Civil Aviation Organization, ICAO, concerning a future super-sonic passenger
aircraft.

Card 1/1

SERAFIN, M.

"Proper ways of Raising the Quality of Furniture", p. 17, (PRZECISL PRZEMYSŁ,
Vol. 5, No. 9, Sept. 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 5,
May 1956, Uncl.

VORNOVITSKIY, I.; SERAFIN, O.

Popularization of advanced practices. Stroi. truboprov. 8 no.7:38
Jl '63. (MIRA 17:2)

SERAFIN, Roman

Advantages and technic of pressure fistulography. Polski
przeł. radiol. 20 no.5:289-290 Sept-Oct 56.

1. Z Oddziału Chirurgii Ogólnej Centralnego Wojskowego
Szpitala Klinicznego Ordynator: doc. dr. J. Pruszyński.
(FISTULA, diagnosis,
x-ray under pressure (Pol))

SERAFIN, Roman

Use of esophageal prostheses in patients with inoperable esophageal and cardiac cancer. Polski przegl. chir. 32 no.12:1201-1205 '60.

1. Z Oddziału Chirurgicznego Instytutu Gruźlicy w Warszawie Ordynator:
prof. dr L. Manteuffel.

(STOMACH NEOPLASMS surg) (ESOPHAGUS neopl)

GHODKOWSKA, Stefania; KRAKOWKA, Pawel; TRACZYK, Kazimierz; KUBIT, Stanislaw;
SERAFIN, Roman; PAWLICKA, Lilia

Proteinosis pecherzykow plucnych (pulmonary alveolar proteinosis).
Gruzlica 29 no.10:895-901 0 '61.

1. Z Instytutu Gruzlicy Dyrektor: prof. dr W.Jaroszewicz i z
Centralnej Wojewodzkiej Przychodni Przeciugruzliczej w Rzeszowie
Dyrektor: dr T. Lewicki.

(LUNG DISEASES case reports)

CHWALIBOG, Barbara; CHODKOWSKA, Stefania; POTWOROWSKA, Maria; SERAFIN, Roman;
SZYMZYK, Elzbieta

Multiple aspergillomas in bronchiectasis in a female patient with
pulmonary and bronchial tuberculosis. Gruzlica 29 no.11:961-965
N '61.

1. Z Instytutu Gruźlicy Dyrektor: prof. dr med. W. Jaroszewicz Oddział
IX Kierownik: dr B. Chwaliąg Zakład Radiologii Kierownik: prof. dr
med. K. Ossowska Zakład Patologii Kierownik: prof. dr med. S. Chodkowska.

(TUBERCULOSIS PULMONARY compl)
(BRONCHIECTASIS compl)
(ASPERGILLOSIS compl)

NOWICKI, Jan; JUSTYNA, Mieczyslaw; MICHALCWSKI, Jacek; SITKOWSKI, Wacław, jr.,
SERAFIN, Roman; SZAGINSKI, Walerian; PACOCHA, Wiesław; TURSKI,
Czesław; MANTEUFFEL-SZOEGE, Leon

Clinical use of Crafoord-Senning's apparatus for extra-corporeal
circulation. Polski przegl. chir. 33 no.7/9:1040-1043 '61.

1. Z Oddziału Chirurgicznego Instytutu Gruzlicy w Warszawie
Kierownik: prof. dr L. Manteuffel-Szoege.
(HEART MECHANICAL)

SERAFIN, Roman

Palliative treatment of cancer of the esophagus using intubation.
Grud. khir. 4 no.3:50-55 My-Je '62. (MIRA 15:7)

1. Iz khirurgicheskogo otdeleniya Instituta tuberkuleza v
Varshave (zav. - prof. Doktor Leon Manteyfel'). Adres avtora:
Varshava, ul. Plotska, d. 26. Institut tuberkuleza.

(ESOPHAGUS—CANCER) (ESOPHAGUS—INTUBATION)

LANCE, Jadwiga; SERAFIN, Roman

Bronchoscopy as a principal diagnostic method in cases of hemoptysis of obscure etiology. Gruzlica 30 no.2:125-131 '62.

1. Z Oddziału II Miejskiego Szpitala Przeciwgruzliczego w Warszawie
Kierownik: dr med. J. Lange Konsultant chirurg.: dr med. R. Serafin
Dyrektor: dr med. [R. Kalinowski [deceased]].

(HEMOPTYSIS diag) (BRONCHOSCOPY)

CHODKOWSKA, Stefania; KRAKOWSKA, Pawel; TRACZYK, Kazimierz; SERAFIN, Roman

Pulmonary alveolar microlithiasis. Gruzlica 30 no.4:367-374 '62.

1. Z Oddzialu Patologii Kierownik: prof. dr med. S. Chodkowska Z
oddzialu I Kierownik: doc. dr med. P. Krakowska Z oddzialu IX
Kierownik: doc. dr med. J. Madey Instytutu Gruzlicy Dyrektor: prof. dr
med. W. Jaroszewicz.

(LUNG DISEASES case reports)

SERAFIN, Roman; TURSKI, Czeslaw; SITKOWSKI, Wacław; CHWALIBOG,
Barbara; POTWOROWSKA, Maria

Post-resection broncho-pleural fistula. Gruzlica 30 no.8:
717-723 '62.

1. Z Oddziału Chirurgicznego Instytutu Gruzlicy w Warszawie
Kierownik: prof. dr med. L. Manteuffel Z Oddziału IX Insty-
tutu Gruzlicy w Warszawie Kierownik: doc. dr med. J. Madey
i z Sanatorium Przeciwgruzliczego w Rudce Dyrektor: dr med.
Z. Sładkowski.

(PNEUMONECTOMY) (POSTOPERATIVE COMPLICATIONS)
(BRONCHIAL FISTULA) (PLEURA) (FISTULA)
(TUBERCULOSIS, PULMONARY)

SERAFIN, Roman; CHWALIBOG, Barbara

Diagnostic difficulties and errors in cases of pulmonary
coin shadows (based on observations of 3 successive cases).
Gruzlica 30 no.9:855-862 '62.

1. Z Oddzialu IX Instytutu Gruzlicy Kierownik: doc. dr med.
J. Madey Dyrektor: prof. dr med. W. Jaroszewicz.
(TUBERCULOSIS, PULMONARY) (LUNG NEOPLASMS)
(THORACIC RADIOGRAPHY) (DIAGNOSIS, DIFFERENTIAL)

SERAFIN, Roman; BOSZKIEWICZ, Tadeusz; DYDYK, Lubomira.

Principles for the management of thoracic injuries. Chir.
narzad. ruchu ortop. pol. 28 no.5:467-471 '63.

1. Z Oddzialu Chirurgicznego Instytutu Gruzlicy w Warszawie
Kierownik Oddzialu: prof. dr. L.Manteuffel.

*

OWALIBOG, Barbara; SERAFIN, Roman; SZYMANSKA, Danuta; ZYCH, Dobieslaw

On cases of intrapulmonary sequestration syndrome. Gruzlica
31 no.4:247-252 '63.

1. Instytut Gruzlicy Z oddzialu II Kierownik: prof. dr med.
W. Jaroszewicz Z oddzialu IX Kierownik: doc. dr med. J. Madey
Z Zakladu Patologii Kierownik: prof. dr med. S. Chodkowska
Dyrektor: prof. dr med. W. Jaroszewicz.
(LUNG DISEASES) (ABNORMALITIES)
(PNEUMONECTOMY)

SERAFIN, Roman; KRAKOWKA, Pawel

Biopsy of the lung in disseminated lesions. Gruzlica 32 no.12:
1093-1098 D '64

1. Z Kliniki Chirurgicznej Instytutu Gruzlicy (kierownik:
prof. dr. med. L. Manteuffel) i z Kliniki Chorob Płuc
Instytutu Gruzlicy (kierownik: doc. dr. med. P. Krakowka).

POTWOROWSKA, Maria; SERAFIN, Roman; ZIELINSKI, Jan

Spontaneous valvular pneumothorax in a parturient. Pol. tyg.
lek. 19 no.11:399-402 9 Mr '64.

1. Z Oddziału Położniczo-Ginekologicznego Instytutu Gruźlicy
w Warszawie (kierownik: dr med. J. Ruszkowski).

SERAFIN, Romualda

Adam Gruca. Nauka polska 10 no.5:47-51 S-0 '62.

1. Klinika Ortopedyczna, Akademia Medyczna, Warszawa.

GRUCA, Adam; SERAFIN, Romualda

717 direct approaches in foci of Pott's disease. Acta med.
Pol. 4 no.3:269-279 '63.

1. Clinique Orthopedique d'Academie de Medicine a Varsovie

Director: Prof. Dr. A. Gruca.

(TUBERCULOSIS, SPINAL) (SPINAL FUSION)

(SURGERY, OPERATIVE) (PARAPLEGIA)

(STREPTOMYCIN) (ISONIAZID) (KYPHOSIS)

SERAFIN, WLADYSLAW

SERAFIN, Wladyslaw; SHERAFIN, Zofia Jadwiga, 2 Warszawa, ul. Katowicka 4 m.2

Infection of a mouse with adenocarcinoma with a strain isolated from blood of man with cancer: preliminary communication. Polski tygod. lek. 10 no.5:129-130 1 Feb 55.

(ADENOCARCINOMA, experimental
in mice infected by organisms isolated from blood
of man with carcinoma)

SERAFIN, ZOFIA JADWIGA

SERAFIN, Wladyslaw; SERAFIN, Zofia Jadwiga, 2 Warszawa, ul. Katowicka 4 m.2

Infection of a mouse with adenocarcinoma with a strain isolated from blood of man with cancer: preliminary communication. Polski tygod. lek. 10 no.5:129-130 1 Feb 55.

(ADENOCARCINOMA, experimental

in mice infected by organisms isolated from blood of man with carcinoma)

SERAFINOVA, R.

Early results of scoliosis treatment with anterior alloplasty. Acta
chir. orthop. traum. cech. 29 no.5:396-401 0 '62.

1. Ortopedicka klinika lekarske akademie ve Varsave, prednosta prof.
dr. A. Gruca.

(SCOLIOSIS)

(BONE TRANSPLANTATION)

L 16819-63

EWI(1)/FCC(w)/BDS/REG-2/ES(v) AFFTC/ESD-3 Pa-4 PT-2/GW

ACCESSION NR: AR3006334

S/0058/63/000/007/H043/H044

72

SOURCE: RZh. Fizika, Abs. 7Zh299

AUTHOR: Fialko, Ye. I.; Perequodv, F. I.; Nemirova, E. K.; Sera-
finovich, L. P.; Pokrovskiy, L. A.; Zolotarev, I. D.; Zubarev, G. S.

TITLE: Some results of radar observations of meteors in Tomsk during 1957-1959

CITED SOURCE: Izv. Tomskogo politekhn. in-ta, v. 100, 16-19

TOPIC TAGS: meteor , radio observation , sporadic meteor , regular meteor , Quadrantide meteor

TRANSLATION: A summary is presented of radar observations made in the city of Tomsk in 1957--1958 using the TPI-2 meteor radar station. The parameters of the apparatus are: frequency 30 Mcs, power ~100 kW pulse, pulse duration 5 microseconds, transmission frequency

Card 1/2

L 16849-63

ACCESSION NR: AR3006334

600 pulses/sec, transmission and reception with half-wavelength dipoles located at a height $\lambda/3$ above the earth, receiver sensitivity $\sim 5 \times 10^{-14}W$. The changes in the activity of the sporadic and regular-flow meteors were investigated. Altogether 130,000 reflections were registered in 1957 and 191,500 in 1958. Information is presented on the average course of the external noise, the distribution of the heights of the Quadrantide meteors (from the data of 4--5 January 1959) and of sporadic meteors. V. N.

DATE ACQ: 15Aug63

SUB CODE: PH, AS

ENCL: 00

Card 2/2

85208

S/035/60/000/010/015/021
A001/A001

6,9417 (also 1041, 1127)

Translation from: Referativnyy zhurnal, Astronomiya i Geodeziya, 1960, No. 10,
p. 60, # 10171

AUTHOR: Serafinovich. L. P.

TITLE: On the Problem of the Effect of Cosmic Noise Intensity Variation on
Diurnal Distribution of the Number of Reflections From Meteors

PERIODICAL: Byul. In-ta astrofiz. AN TadzhSSR, 1959, No. 27, pp. 37-39

TEXT: A change in the level of cosmic radio emission during a day-and-night period leads to a change in the sensitivity of radar equipment, which fact can markedly distort the diurnal distribution of the quantity of reflections from meteors. Based on the fact that the level of cosmic noise at noon 10 times lower than that in the morning hours, Sheyn and Kerr concluded that the noon maximum of meteor quantity observed by them at a frequency of 18.3 Mc in April-May 1947 was actually non-existent. The author, making use of the isophots of cosmic radio emission at the 18.3 Mc frequency and taking into account the absorption of cosmic radio emission in the ionosphere, corrected the observed

Card 1/2

85208

S/035/60/000/010/015/021
AOO1/AOO1

On the Problem of the Effect of Cosmic Noise Intensity Variation on Diurnal
Distribution of the Number of Reflections From Meteors

diurnal distribution of the quantity of reflections for the effect of cosmic
noises. Although the ratio of the morning and noon maxima of meteor quantities
changed, both of the maxima were preserved. The divergence with the Sheyn and
Kerr results the author explains by the inaccuracy of their methods.

V. N. Lebedinets

Translator's note: This is the full translation of the original Russian abstract.

Card 2/2

FIALKO, Ye.I., prof. doktor; PEREGUDOV, F.I.; NEMIROVA, E.K.; SERAFINOVICH,
L.P.; POKROVSKIY, L.A.; ZOLOTAREV, I.D.; ZUBAREV, G.S.

Some results of radar observations of meteors in Tomsk in
1957-1959. Izv. TPI 100:16-19 '62. (MIRA 18:9)

SERAFINOVICH, L.P.

Effect of cosmic noises on the number of meteors detected in
one hour. Izv. TPI 100:118-123 '62.

Determining the level of external interferences on wave lengths
from 1 to 30 m. Izv. TPI 100:134-139 '62. (MIPA 18:9)

UEBANSKI, T; SERAFINOWA, B; MALINOWSKI, S; SLOPEK, S; KAMIENSKA, I; VENULET, J;
JAKIMOWSKA, K.

Research on new drugs for the treatment of tuberculosis. Gruzlica,
Warsz. 20 no.2:157-170; contd. Mar-Apr 1952. (CLML 22:3)

1. Of the Department of Chemotherapy of the Institute of Tubercu-
losis (Director--Prof. J. Misiewicz, M. D.).

URBANSKI, T.; SERAFINOWA, B.; MALINOWSKI, S.; SLOPEK, S. KAMIEŃSKA I.; VENULET, J.;
JAKIMOWSKA, K.

Research on new drugs in the treatment of tuberculosis; thiosemicarba-
zones. Gruzlica, Warsz. 20 no.3:292-302; concl. May-June 1952.

(CIMI 23:2)

1. Of the Chemical Laboratory of the Institute of Tuberculosis (Director
--Prof. J. Misiewicz, M.D.), Warsaw.

SERAFINOWA, BARBARA

Preparation of isonicotinic acid hydrazide. ~~Talcuss~~
~~Urbanski, Zbigniew, Biernacki, Daniela, Gurne, Jacek,~~
~~Balski, Miroszlawa, Mioduszevska, Wanda, Szostakowa,~~
~~Tercy Urbanski, and Dominik, Zdzislo (Inst. Technol. and~~
~~Tuberculosis, Warsaw). Roczniki Chem. 27: 161-6 (1953)~~
(English summary).—Improvements have been made in the
existing methods of synthesis for isonicotinic acid hydra-
zide (I), viz., in the preps. of 4-ethylpyridine (II), (C.A. 42,
1601c), isonicotinic acid (III) (C.A. 43, 3625c), III Et ester
(IV) (C.A. 39, 706) and the hydrazide (Meyer and Mally,
C.A. 6, 2073). The main improvements are: sepn. of the
oil layer made in a separatory funnel, followed by frac-
tional distn. instead of steam distn., in the isolation of II;
direct pptn. of III, upon acidifying the soln., by reducing
to 0.5 vol. the water used when oxidizing with $KMnO_4$;
economy in the use of ether to extract IV; neutralization
with NH_3 in 2 stages, first to a pH of 3.0 to recover unchanged
III (about 15%), then to pH 7.5 to obtain IV. $N.E. H_2O$
(40-50%) in 5% excess was used to prep. I from IV. To
obtain colorless and odorless I, very slow cooling and careful
washing of the pptd. I with a/c, and then ether is necessary,
although the 1st crop can be applied directly to clinical use.
Clayton F. Holoway

URBANSK, Tadeusz; BELZECKI, Czeslaw; CHECHELSKA, Bozena; CHYLINSKA, Barbara;
DABROWSKA, Halina; FALECKI, Jerzy; GURNE, Daniela; HAIISKI, Leszek;
MALINOWSKI, Stanislaw; SERAFINOWA, Barbara; ZYIOWSKI, Jerzy; SLOPEK,
Stefan; KAMIENSKA, Irena; VENULET, Jan; JAHOWIEC, Mieczyslaw; JAKIMOWSKA,
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(TUBERCULOSIS, therapy,

investigation of 300 cpds. for anti-tuberc. eff. (Pol))

G-2

Country : Poland

Category : 45876

Abs. Jour :

Author : Urbanski, T., Serafinowa, E., and Stefaniak, L.

Institut. : Not given

Title : The Preparation of Diacylhydrazines from Acylhydrazines

Orig. Pub. : Roczniki Chem, 32, no 4, 957-961 (1958)

Abstract : The hydrazone $\text{RCONHN}=\text{C}(\text{CH}_3)\text{CH}_2\text{COOC}_2\text{H}_5$ (I, R = γ - $\text{C}_5\text{H}_4\text{N}$), obtained by the reaction of isonicotinic acid hydrazide (II) with acetoacetic ester (III), on refluxing in water (2 hrs) is converted to 1,2-diisonicotinoylhydrazine (IV), yield 93%, mp 260-261°: the reaction is accompanied by the formation of small quantities of 4',5'-dimethylpyrazolo-(4',3'-5,6)- α -pyrone, mp 245-246° (from alc). IV is also prepared in 70-78% yields by refluxing an equimolar mixture of II and III

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G-2

Country : Poland

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Abstract : in water (3 hrs) or by refluxing a mixture of acetylacetone and II in water; in the latter case an unidentified side product of mp 314-315° is obtained. Lower yields of IV are obtained when a mixture of II and the ethyl ether of aminocrotonic ester is heated. The application of a similar procedure to I in which R = β - $\text{C}_5\text{H}_4\text{N}$ (mp 103-105°, from iso- $\text{C}_5\text{H}_7\text{OH}$), C_6H_5 , and β - NO_2 - C_6H_4 , yields the corresponding diacylhydrazone, RCONHNHCOR . All of the products synthesized possess marked bacteriocidal activity.

D. Vitkovskiy

Card: 2/2