SINITSINA, A. L.

"Investigation of the Biosynthesis of Glutathione in the Surviving Tissues of Animals." Sub 4 Dec 51, Acad Med Sci USSR.

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

SO: Sum. No. 480, 9 May 55

Candidate of Biological Sciences

SINITSYNA, A.L. (Moscow).

Glutathione metabolism and its biological function. Usp.sovr.biol.35 no. 3:313-337 My-Je '53. (MLRA 6:6)
(Glutathione)

SINITSYNA, A. L.

Chemical Abst.
Vol. 48
A pr. 10, 1954
Biological Chemistry

(1)

Glutathione metabolism and its biological functions. A. L. Sinitsyna. *Uspekhi Sovremennoi Biol.* 36, 313-37(1953). —A review; 137 references. Julian F. Smith

SINITSYNA, A. L.

(2)

The effect of B_6-avitaminosis on the deamination of L-amino acids and on the synthesis of their α-keto and α-hydroxy acids and ammonia in the liver and kidneys of the rat. A. L. Sinitsyna (Inst. Biol. and Med. Chem., Acad. Med. Sci. U.S.S.R., Moscow). *Biokhimiya* 19, 80–7(1954).—The magnitude of oxidative deamination of L-glutamic acid in liver homogenates and of the amination of α-ketoglutaric acid in the liver and kidney sections in B_6-avitaminosis (I) is the same as in normal tissues. Deamination of L-alanine and L-aspartic acid in liver homogenates was thrown into severe imbalance in the presence of I. In liver and kidney sections of rats with I, incubated with pyruvate and NH_4, the content of amino acids is lowered, of glutamic acid increased, while alanine is formed in minute quantities only or not at all. Synthesis of phenylalanine and histidine from phenylpyruvic and imidazolelactic acids in liver and kidney sections is independent of the presence of added NH_4 and is absent in I. The activity of transaminase is lowered in animals having I. In tissues of such animals oxidative deamination of L-amino acids (glutamic acid excepted) and of the amination of α-keto acids (α-ketoglutaric acid excepted) in the liver and in the kidney proceeds basically, if not exclusively, via transamination. B. S. Levine

SINITSYNA, A.L.; KEDA, Yu.M.; ANNENKOV, G.A.

Effect of chemotrypsin hydrolysates of the bull and swine growth hormone on the content of urea and total and residual nitrogen in the blood in monkeys. Probl. endok. i gorm. 11 no.5:106-108 S-O '65. (MIRA 19:1)

1. Laboratoriya biokhimii (zav. - doktor biol. nauk Ye.A. Kolli) Vsesoyuznogo instituta eksperimental'noy endokrinologii, Moskva, i laboratoriya biokhimii (zav. - prof. A.V. Trufanov) Instituta eksperimental'noy patologii i terapii AMN SSSR, Sukhumi. Submitted October 22, 1964.

SINITSYNA, A.L.; KEDA, Yu.M.; ISICHENKO, N.A.; BOGACHEVA, I.D.

Effect of pepsin on the fat-mobilizing and growth activity of the bull and swine growth hormone. Probl. endok. i gorm. 11 no.6:56-58 N-D '65. (MIRA 18:12)

1. Laboratoriya biokhimii (zav. - doktor biolog. nauk Ye.A. Kolli), laboratoriya patofiziologii (zav. - prof. L.M. Gol'ber), laboratoriya farmakologii (zav. - kand. biolog. nauk A.I. Briskin) Instituta eksperimental'noy endokrinologii (ispolnyayushchiy obyazannosti direktora - prof. L.M. Gol'ber) AMN SSSR, Moskva.

S/058/62/000/010/012/093
A061/A101

AUTHORS: Val'dner, O. A., Sinitsyna, E. A., Sobenin, N. P., Shchedrin, I. S.

TITLE: Group velocity parametrization

PERIODICAL: Referativnyy zhurnal, Fizika, no. 10, 1962, 5 - 6, abstract 10B46 (In collection: "Uskoriteli", no. 3, Moscow, Gosatomizdat, 1962, 185 - 191)

TEXT: The possibility of representing in parametric form the dependence of the group velocity on geometrical dimensions and on the phase velocity of a wave is shown for a diaphragm waveguide. Parametric curves constructed for oscillations of the type $\pi/2$ according to experimental data are given. The accuracy in determining the group velocity from the given curves is not worse than 10%.

S. Semenov

[Abstracter's note: Complete translation]

Card 1/1

S/058/62/000/010/019/093
A061/A101

1.1300

AUTHORS: Sinitsyna, E. A., Sobenin, N. P.

TITLE: Phasometer circuit with double tee junction as the mixer

PERIODICAL: Referativnyy zhurnal, Fizika, no. 10, 1962, 6, abstract 10B54 (In collection: "Uskoriteli", no. 3, Moscow, Gosatomizdat, 1962, 207 - 214)

TEXT: Errors arising in the measurement of the law of phase velocity change of a wave along a circular diaphragm waveguide when using phasometer circuits are considered. It is shown that the phasometer circuit with double tee junction, which functions as a mixer, makes it possible to conduct differential measurements with a lesser systematic error than that of the earlier considered circuits. (RZhFiz, 1961, 8Zh397; 8Zh482).

S. Semenov

[Abstracter's note: Complete translation]

Card 1/1

SINITSYNA, F. F.

SINITSYNA, F. F. -- "Changes in the State of the Bile-Passages and Certain F Functions of the Liver in the presence of Ulcerous Disease of the Stomach and of the Duodemum." Odessa State Med. Inst. imeni N. I. Pirogov, Odessa, 1955. (Dissertation for the Degree of Candidate in Medical Sciences)

SO: Knizhnaya Letopis', No. 35, 1955

SINITSINA, F.F., kandidat meditsinskikh nauk; ZAVEL'NYUK, N.F.

Case of in vivo diagnosis of polycystoma of the lungs. Vrach.delo no.4:405 Ap '57. (MIRA 10:7)

1. Gospital'naya terapevticheskaya klinika (zav. - prof. F.F.Playd) Vinnitskogo meditsinskogo instituta.
(LUNGS--TUMORS) (CYSTS)

SINITSINA, F.F., kandidat tekhnicheskikh nauk; VASHCHENKO, M.M. (Kiyev)

Treatment with condensed sun rays by means of Bukhman's reflector. Vrach.delo no.8:795-797 Ag '57. (MLRA 10:8)

1. Klinicheskaya bol'nitsa Stalinskogo rayona
(REFLECTORS) (SUN BATHS)

SINITSYNA, F.F.

PHASE I BOOK EXPLOITATION SOV/6259

Poltavets, Ivan Mikhaylovich, Faina Fedorovna Sinitsyna, Mark Petrovich Filippov, and Mikhail Panteleymonovich Kolyada

Ostryye radiatsionnyye porazheniya i ikh lecheniye (Acute Radiation Diseases and Their Treatment) Kiyev, Medgiz UkrSSR, 1962. 154 p. (Series: Biblioteka prakticheskogo vracha) 4180 copies printed.

Ed.: N. I. Konstantinov; Tech. Ed.: L. A. Zapol'skaya.

PURPOSE: The book is intended for physicians in all specialities and for students of advanced courses at medical institutes.

COVERAGE: The book describes methods of treating severe radiation injuries, the treatment of patients with radiation sickness, and the pathological changes occurring in the organism in the course of radiation sickness. Classification, diagnosis, and evacuation of casualties from areas of massive destruction and the organization of dosimetric control among the personnel and

Card ~~1/5~~ 1/2

in the installations of the civilian defense medical service are discussed in the light of the most recently promulgated operational procedures. There are 47 references, all Soviet, including three translations.

TABLE OF CONTENTS:

Card ~~2/5~~ 2/2

KUMOK, V.N.; SEREBRENNIKOV, V.V.; Prinimala uchastiye SINITSYNA, G.

Stability of complex rare-earth compounds. Zhur. neorg. khim. 10 no.9:2011-2018 S '65.

Stability of complex compounds of cations of calcium and scandium subgroups. Ibid.:2019-2022 (MIRA 18:10)

1. Tomskiy gosudarstvennyy universitet imeni Kuybysheva, kafedra neorganicheskoy khimii.

SMITSYNA, G.N.

Vsesoyuznoye soveshchaniye po avtomaticheskim proizvoditeľnym sredstvam v mashinostroyenii i avtomatizirovannomu elektroprivodu i promyshlennoi. 3d, Moscow, 1959

Elektroprivod i avtomatizatsiya proizvodstvennykh protsessov; trudy soveshchaniya (Electric Drive and Automation in Industrial Systems; Transactions of the Conference) Moscow, Gosenergoizdat, 1960. 470 p. 11,000 copies printed.

General Ed.: I.I. Petrov; Ed. Bd. Sirotin, and M.G. Chilikin; Eds.: I.I. Bud, and E.P. Silayev; Tech. Ed.: E.P. Yermila, and G.Ye. Larionov.

PURPOSE: The collection of reports is intended for the scientific and technical personnel of scientific research institutes, plants and schools of higher education.

COVERAGE: The book is a collection of reports submitted by scientific workers at plants, scientific institutes and schools of higher education at the third Joint All-Union Conference on the Automation of Industrial Processes in Machine Building and Automated Electric Drives in Industry held in Moscow on May 12-16, 1959. The Conference was called by the Academy of Science USSR, the Gosplan SSSR (State Planning Commission USSR), the GKTE SSSR, the Gosudarstvennyy komitet po avtomaticheskim i mashinostroyeniyu (State Committee on Automation and Machine Building) and the National'nyy komitet SSSR po avtomaticheskomu upravleniyu (USSR National Committee on Automatic Control) and prepared by the Nauchno-tekhnicheskiy komitet po avtomatizirovannomu elektroprivodu (Scientific and Technical Committee on Automated Electric Drives), the PEI (Moscow Institute of Energetics), the VNIIEM, the IAT (Institute of Automation and Telemechanics) and the Academy of Sciences USSR, and the Komissiya po tekhnologii mashinostroyeniya Otdeleniya mashinovedeniya AN SSSR (Commission on the Technology of Machine Building of the Institute of Science of Machines of the Academy of Sciences USSR). It was the purpose of the Editorial Board to arrange the reports in a way which would ensure a relatively systematic presentation of theoretical and practical problems relating to electric drives and automatic controls of industrial mechanisms used in various branches of industry. Basic problems of automated electric drive and their solution are outlined. The book also contains articles on electric machinery and means of automation. Considerable attention is paid to non-contact automatic control systems, including systems with semiconductor devices and magnetic amplifiers, and to computers intended both for the analysis and the synthesis of linear and nonlinear automatic regulation and control systems. Reports already published in journals or official publications have been considerably abbreviated; those which have appeared in volume V of BII KP transactions or in the journal "Elektrichestvo" are marked with an asterisk. No personalities are mentioned. References accompany some of the papers.

CONTENTS:

L 12627-63 EWP(j)/EWT(m)/BDS AFFTC/ASD Pc-4 RM
ACCESSION NR: AP3002881 S/0020/63/150/005/1087/1090

59

AUTHOR: Sinitsy*na, G. M.; Vlodavets, I. N.; Rebinder, P. A.

TITLE: Fixation of condensation structure porosity from synthetic polymers

SOURCE: AN SSSR. Doklady*, v. 150, no. 5, 1963, 1087-1090

TOPIC TAGS: fixation, porosity, synthetic polymer, fibrous-porous condensing structure, hydrophobization, synthetic leather, tanning

ABSTRACT: The fixing processing of fibrous-porous condensing structures leads to their supplementary partial hydrophobization, and increases stability to action of capillary pressure during drying. These experimental results are of significance in attempts to develop synthetic leather. Further study of the nature of such fixing treatment of various high molecular structures is indicated both to realize all possibilities present in such synthetic structures and for further progress in the study of physical-chemical processes of tanning of natural leather. Orig. art. has: 4 figures.

ASSOCIATION: Institut fizicheskoy khimii Akademii nauk SSSR (Institute of Physical Chemistry, Academy of Sciences SSSR)

SUBMITTED: 19 Mar 63 DATE ACQ: 15 Jul 63 ENCL: 00
SUB CODE: 00 NO REF SOV: 006 OTHER: 000
CARD 1/1

OSTRIKOV, M.S.; DUKHNINA, T.P.; VLODAVETS, I.N.; SINITSYNA, G.M.

Capillary contraction of drying condensation structures of polyvinyl formal. Part 1: Effect of the time of acetalation. Koll. zhur. 26 no.5:600-607 S-O '64.

(MIRA 17:10)

1. Rostovskiy universitet, kafedra fizicheskoy i kolloidnoy khimii i Institut fizicheskoy khimii AN SSSR, Moskva.

OSTRIKOV, M.S.; DUKHNINA, T.P.; DLODAVETS, I.N.; SINITSYNA, G.M.

Capillary contraction of drying condensation structures of polyvinylformal. Report No.2: Effect of the initial polymer concentration. Koll. zhur. 27 no.1:77-81 Ja-F '65.

(MIRA 18:3)

1. Rostovskiy universitet, kafedra fizicheskoy i kolloidnoy khimii i Institut fizicheskoy khimii AN SSSR, Moskva.

Zhv, D. M., SINITSYNA, G. V., (Radium Inst im V. G. Khlopin AS USSR)

"An Electrochemical Methcd of Investigating Radioactive Elements as a Means of Studying Chemical Properties"

Isotopes and Radiation in Chemistry, Collection of papers of 2nd All-Union Sci. Tech. Conf. on Use of Radioactive and Stable Isotopes and Radiation in National Economy and Science, Moscow, Izd-vo AN SSSR, 1958, 380pp.

This volume published the reports of the Chemistry Section of the 2nd AU Sci Tech Conf on Use of Radioactive and Stable Isotopes and Radiation in Scienee and the National Economy, sponsored by Acad Sci USSR and Main Admin for Utilization of Atomic Energy under Council of Ministers USSR Moscow 4-12 Apr 1957.

ZIV, D.M.; SINITSYNA, G.S.

Determination of the electrode potentials of radioactive elements.
Trudy Radiev.inst.AN SSSR. 8:127-137 '58. (MIRA 12:2)
(Radioactive substances) (Electromotive force)

ZIV, D.M.; SINITSYNA, G.S.

Determination of the deposition potential of polonium on platinum. Trudy Radiev.inst.AN SSSR. 8:138-140 '58.
(MIRA 12:2)

(Polonium) (Electromotive force)

NIKOL'SKIY, B.P.; SINITSYNA, G.S.; ZIV, D.M.

Determination of the valency of polonium in solutions. Trudy Radiev.inst.AN SSSR. 8:141-152 '58. (MIRA 12:2)
(Polonium) (Valence (Theoretical chemistry))

NIKOL'SKIY, B.P.; ZIV, D.M.; SHESTAKOV, B.I.; SINITSYNA, G.S.

Effect of the nature and concentration of acid on the value of the electrode potential of polonium. Trudy Radiev.inst. AN SSSR. 8:153-157 '58. (MIRA 12:2)
(Polonium) (Acids) (Electromotive force)

ZIV, D.M.; ZIV, V.S.; SINITSYNA, G.S.

Use of the electrochemical method for determining the solubility of polonium hydroxide. Trudy Radiev.inst.AN SSSR. 8:158-162 '58. (MIRA 12:2)

(Polonium hydroxide) (Electrochemistry)

SOV/89-4-5-11/26

AUTHORS: Ziv, D. M., Sinitsyna, G. S., Efros, I. A., Volkova, Ye. A.

TITLE: Method of Preparing Stable α-, β- and γ-Radio-active Sources by Use of Inorganic Enamels (Metod izgotovleniya ustoychivykh α-, β-i γ-radioaktivnykh istochnikov na osnove neorganicheskikh emaley)

PERIODICAL: Atomnaya Energiya, 1958, Vol 4, Nr 5, pp 469 - 470 (USSR)

ABSTRACT: The inorganic enamel is used as an adhesive as well as a protective substance. Thereby an insensibility of the preparations, for instance, against humidity, changes of temperature etc. is attained. Gold foil served as a base for the preparing of radium preparations. The following composition of enamels were used:

SiO_2 - 34%
PbO - 30%
Na_2O - 3%

Card 1/2

Method of Preparing Stable α-, β-, and γ-Radio-active Sources by Use of Inorganic Enamels

BaO - 30%
B_2O_3 - 3%

The radium was added to the enamel as radium-oxide. The procedure of the preparing of the preparations is described with all particulars and is characterized by four sections:
1. Preparing of a titrated enamel suspension.
2. Preliminary enameling of the base.
3. Appliance of the radio-active preparations to the first enamel-base.
4. Appliance of a protective film of enamel.
There are 1 table and 6 references, none of which are Soviet.

SUBMITTED: January 15, 1958

AVAILABLE: Library of Congress

Card 2/2

1. Alpha rays—Sources 2. Beta rays—Sources 3. Gamma rays—Sources 4. Radioactive substances—Handling 5. Enamel coatings—Applications

SINITSYNA, G.S.; FADDEYEV, S.L.; SUKHODOLOV, G.M.

Electrolytic separation of micro quantities of uranium and plutonium. Radiokhimiia 1 no.3:295-299 '59. (MIRA 12:10)
(Uranium) (Plutonium)

PODLESNOV, A.V.; SINITSINA, I.I.

Case of opisthorchiasis coinciding with primary cancer of the liver. Med.paraz.i paraz.bol. 29 no.4:430-432 Jl-Ag '60. (MIRA 13:11)

1. Iz terapevticheskogo otdeleniya Vostochno-Kazakhstanskoy oblastnoy bol'nitsy (glavnyy vrach V.N. Gapon).
(LIVER--CANCER) (LIVER FLUKES)

SINITSYNA, I.N.

Representatives of the family Modiolopsidae Fischer from Silurian sediments in Podolia. Vest. LGU 19 no.24:44-50 '64
(MIRA 18:1)

SINITSYNA, Z.N.

Silurian bivalved mollusks of Podolia. Vest.LGU 20 no.12:135-137 '65. (MIRA 18:8)

ZONENSHAYN, L.P.; BERTELS-USPENSKAYA, I.A.; SAFRONOV, V.S.; NEYMAN, V.B.; GENDLER, V.Ye.; CHURIKOV, V.S.; YEREMIN, N.I.; KOGAN, B.S.; YAKOVLEVA, M.N.; LANGE, O.K.; KABANOV, G.K.; KUZNETSOVA, K.I.; SINITSYNA, I.N.; SMIRNOVA, T.N.; VENKATACHALAPATI, V.; MASLAKOVA, N.I.; BELOUSOVA, Z.D.; YAKUBOVSKAYA, T.A.; YURINA, A.L.; RYBAKOVA, N.O.; MOROZOVA, V.G.; BARASH, M.S.; FONAREV, V.I.; NIKONOV, A.A.

Activity of the Geological Sections of the Moscow Naturalists' Society. Biul. MOIP. Otd. geol. 39 no.6:147-151 N-D '64. (MIRA 18:3)

SIDOROV, I.S.; IVANOV, P.K.; KABANOV, P.G.; SINITSYNA, K., red. STARICHKOV, V., red.; LUKASHEVICH, V., tekhn. red.

[Cropping practices in the Southeast] O sisteme zemledeliia na IUgo-Vostoke. [Saratov] Saratovskoe knizhnoe izd-vo, 1956. 139 p. (MIRA 11:10)
(Volga Valley--Agriculture)

GAVRILOV, Petr Ivanovich, kand.tekhn.nauk; SINITSYNA, K., red.; LUKASHEVICH, V., tekhn.red.

[Use of natural gas for cast iron welding and metal cutting] Svarka chuguna i reska metallov estestvennym gazom. Saratov, Saratovskoe knizhnoe izd-vo, 1958. 46 p. (MIRA 12:12)
(Gas welding and cutting) (Gas, Natural)

TOLKACHEV, N.I., agronom-ekonomist; SALMANOV, Ye.M., inzh.-mekhanik; SINITSYNA, K., red.; LUKASHEVICH, V., tekhn.red.

[Maintenance manual] Spravochnik uchetchika-zapravshchika. Saratovskoe knizhnoe izd-vo, 1959. 183 p. (MIRA 13:6)
(Tractors--Maintenance and repair)

ZAKHAROV, Leonid Zakharovich, doktor biolog. nauk, prof.; LOPATNIKOV, Sergey Nikolayevich, prepodavatel' pchelovodstva; SHVANVICH, Boris Nikolayevich, doktor biolog. nauk, prof. [deceased]; SINITSYNA, K.M., red.; LUKASHEVICH, V.K., tekhn. red.

[Bees and bee culture; manual on beekeeping] Pchela i pchelovodstvo; posobie dlia pchelovodov. Saratov, Saratovskoe knizhnoe izd-vo, 1960. 261 p. (MIRA 14:9)

(Bee culture)

SINITSYNA, K. V.

Znamia chasti, Flag korablia - simvol voinskoi chesti, doblesti i slavy (The banner of the unit, the ship's flag is the symbol of military honor, valor, and glory) Kratkii rekomend. Ukazatel' literatury. Moskva, 1953. 16 p.

SO: Monthly List of Russian Accessions, Vol. 7, No. 6, Sep. 1954

SINITSYNA, K.V.

[Be on your guard; keep military and state secrets strictly. A bibliography] Byt' bditel'nym, strogo khranit' voennuiu i gosudarstvennuiu tainu. Moskva, Gos. b-ka SSSR, 1954. 36 p. (MIRA 8:1D)

SINITSYNA, K.V.

SINITSYNA, K.V.; LEVASHEVA, Z.P., red.; KHELEMSKAYA, L.M., tekhn.red.

[Train soldiers in the spirit of vigilance and military preparedness; a bibliography] Vospityvat' voinov v dukhe vysokoi bditel'nosti i boevoi gotovnosti; rekomendatel'nyi ukazatel' literatury. Moskva, 1957. 24 p. (MIRA 10:12)

1. Moscow. Publichnaya biblioteka. Voyennyy otdel.
(Bibliography--Military education)

LEVASHEVA, Z.P.; SINITSINA, K.V.; KARKLIN, P.I., red.

[Bibliography of Soviet military bibliography; a classified list of bibliographies published from 1948 to 1957] Bibliografiia sovetskoi voennoi bibliografii; sistematicheskii perechen' bibliograficheskikh ukazatelei za 1948-1957 gg. Moskva, 1959. 92 p. (MIRA 13:8)

1. Moscow. Publichnaya biblioteka. Voyennyy otdel.
(Bibliography--Military art and science)
(Bibliography--Russia--History, Military)

KAZAKOV, S.V.; SINITSYNA, K.V.; SKAPENKOVA, T.N.; SOROKINA, L.I.; POLYAKOVA, N., red.; DANILINA, A., tekhn. red.

[People going forward] Idushchie vperedi. Moskva, Gos.izd-vo polit. lit-ry, 1961. 438 p. (MIRA 14:6)
(Labor and laboring classes)

L 16603-63 EWP(q)/EWT(m)/BDS AFFTC/ASD JD

S/075/63/018/004/012/015

AUTHOR: Degtyareva, O. F., Sinitsyna, L. G. and Proskuryakova, A. Ye.

TITLE: The spectral analysis of high-purity aluminum

PERIODICAL: Zhurnal analiticheskoy khimii, v. 18, no. 4, April 1963, 510-513

TEXT: The authors suggest a method for the direct simultaneous determination of 34 elements (B, P, Zn, Cd, Sb, Be, As, Co, W, Si, Mn, Fe, Mg, Pb, Ga, Ni, Bi, V, Mo, Sn, Ti, Cu, In, Ag, Pt, Pd, Ca, Cr, Ba, Tl, Na, K, Li, Rb) in aluminum oxide by means of fractional distillation from carbon electrodes into a DC arc at 7 - 12 amp. The spectra are recorded on ISP-22 and ISP-51 spectrographs. The sensitivity of the method is $3 \cdot 10^{-5}$ — $3 \cdot 10^{-2}$%. The reproducibility is 10 - 20%.

They also study the effect of the density of the aluminumm oxide powder on mixing during the preparation of standards. There are 3 figures and 3 tables.

SUBMITTED: June 16, 1962

Card 1/1

L 55082-65 EWT(m)/EPF(n)-2/EWP(t)/EWP(b) Pu-4 IJP(c) JD/WW/JG
ACCESSION NR: AP5013501 UR/0075/65/020/005/0603/0607
543.70

28
27
B

AUTHOR: Degtyareva, O. F.; Sinitsyna, L. G.

TITLE: Spectral analysis of high purity zirconium

SOURCE: Zhurnal analiticheskoy khimii, v. 20, no. 5, 1965, 603-607

TOPIC TAGS: zirconium, spectrum analysis, spectrography

ABSTRACT: A method was developed for spectrographic determination of impurities in zirconium based on the fractional distillation of impurities into an AC arc. A special design electrode, shown in fig. 1 of the Enclosure, facilitates thermal emission in the first few seconds of arcing, thus reducing the resistance in the gap between electrodes. Under these conditions a spontaneous current jump from 6.5 to 10 amperes occurs at the same time regardless of the sample composition. Silver chloride was used as a carrier. The weak spectrum of the principal substance and the low background enables simultaneous determination of 36 elements: Na, K, Li, Ca, Ba, Mg, Be, Co, In, Tl, Ga, V, Sr, Rb, La, Ge, Cu, Si, Al, Zn, Au, Pd, Cd, Ni, Sn, Mn, Sb, Fe, Cr, Bi, As, Pb, P, Mo, Ti, and W. The sensitivity ranges from

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L 55082-65
ACCESSION NR: AP5013501

$1 \cdot 10^{-6}$ to $1.5 \cdot 10^{-2}$% and the relative standard deviation of a single determination is 10-20%. Zirconium metal is converted to ZrO_2 by dissolution in H_2SO_4 and calcination of the sulfate. Experiments with synthetic salt mixtures showed that there are no losses of the impurities being determined. The method is applicable to the analysis of various zirconium compounds after conversion to zirconium dioxide. Ye. A. Krylova participated in the development of this method. Orig. art. has: 4 figures and 2 tables.

ASSOCIATION: none

SUBMITTED: 22Jan64 ENCL: 01 SUB CODE: GC

NO REF SOV: 012 OTHER: 005

Card 2/3

L 55082-65
ACCESSION NR: AP5013501

ENCLOSURE: 01

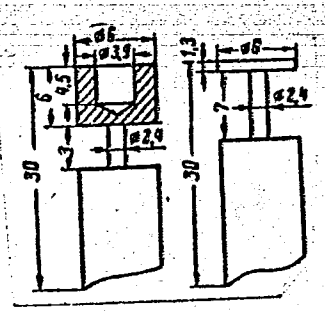


Fig. 1. Carbon electrode for zirconium analysis.

Card 3/3

MATUSKOV, S.I., dots., GONCHAROV, V.V., KHARCHENKO, A.M., SINITSYNA, L.N.

Tissue therapy in a number of types of chronic dermatitis. Vrach. delo no.9:973 S'58 (MIRA 11:10)

1. Kafedra kozhno-venerichskikh bolezney (zav. - dots. S.I. Matuskov) Odesskogo meditsinskogo instituta.
(SKIN--DISEASES)
(TISSUE EXTRACTS)

ALEKSANDROVSKAYA, A.M.; ALESHONKOVA, Yu.A.; SINITSYNA, L.N.; GODNEV, I.N.

Thermodynamic functions of silicon tetraiodide and zirconium tetraiodide in the gaseous state. Izv.vys.ucheb.zav.; khim.i khim.tekh. 5 no.1:171-172 '62. (MIRA 15:4)

1. Ivanovskiy khimiko-tekhnologicheskiy institut, kafedra fiziki.
(Silicon iodide) (Zirconium iodide)

MATUSKOV, S. I., dotsent; KHARCHENKO, A. M., kand. med. nauk; KOSSOVSKAYA, O. Ya., kand. med. nauk; SINITSYNA, L. N.

Protein fractions of the blood serum in some chronic dermatoses. Vest. derm. i ven. no.2:42-44 '62. (MIRA 15:2)

1. Iz kafedry kozhno-venericheskikh bolezney (zav. - prof. M. V. Borzov) Odesskogo meditsinskogo instituta imeni N. I. Pirogova (dir. - zasluzhennyy deyatel' nauki UkrSSR prof. I. Ya. Deyneka).

(BLOOD PROTEINS) (SKIN--DISEASES)

SINITSYNA, L.P.

Biological characteristics of the straw fly and conditions restricting its reproduction in various parts of its habitat. Trudy VIZR no.11: 26-51 '58. (MIRA 12:1)
(Grain--Diseases and pests)

LANDSMAN, S.U.; MARKOVSKIY, F.T.; SINITSYNA, L.P.

Specific indices and regime characteristics for gas consumption in residential sectors of cities. Gaz. prom. 8 no.2:30-34 '63. (MIRA 17:8)

SINITSYNA, L. P., CAND BIO SCI, "BIOLOGICAL ~~CHARACTER~~ peculiarities ~~IETYOS~~ OF THE RIBBON-FOOTED CORNFLY CHLOROPS PUMILIONIS BJERK AND THE CONDITIONS REGULATING ITS PROPAGATION AND harmfulness ~~DESTRUCTIVENESS~~ IN ~~THE~~ VARIOUS PARTS OF THE AREA." LENINGRAD, 1960. (ZOOL INST of the Acad SCI USSR. ~~SSR~~ COUNCIL). (KL, 2-61, 205).

SINITSINA, L.P.

Injuriousness of the ribbon-footed corn fly Chlorops pumilionis Bjerk to spring and winter grain crops and cultivation practices controlling it. Trudy VIZR no.14:5-12 '60. (MIRA 14:2)
(Stavropol Territory—Frit flies)
(Wheat—Diseases and pests)
(Barley—Diseases and pests)

Sinitsyna, L.S.

PHASE I BOOK EXPLOITATION SOV/4379

Vsesoyuznaya konferentsiya po fizike dielektrikov. 2d, 1958

Fizika dielektrikov; trudy vtoroy vsesoyuznoy konferentsii (Physics of Dielectrics, Transactions of the 2d All-Union Conference on the Physics of Dielectrics) Moscow, Izd-vo AN SSSR, 1960. 532 p. Errata slip inserted. 5,000 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Fizicheskiy institut imeni P.N. Lebedeva.

Ed. of Publishing House: Ye.L. Starokadomskaya, Tech. Ed.: I.N. Dorokhina; Editorial Board: (Resp. Ed.) G.I. Skanavi, Doctor of Physics and Mathematics (Deceased), and K.V. Filippova, Candidate of Physics and Mathematics.

PURPOSE: This collection of reports is intended for scientists investigating the physics of dielectrics.

COVERAGE: The Second All-Union Conference on the Physics of Dielectrics held in Moscow at the Fizicheskiy institut imeni P.N. Lebedeva (Physics Institute imeni P.N. Lebedev) in November 1958 was attended by representatives of the principal scientific centers of the USSR and of several other countries. This collection contains most of the reports presented at the conference and summaries of the discussions which followed. The reports in this collection deal with dielectric properties, losses, and polarization, and with specific inductive capacitance of various crystals, chemical compounds, and ceramics. Photoelectrets, ferroelectric crystals, and various radiation and irradiation effects on dielectrics are investigated. The volume contains a list of other papers presented at the conference dealing with polarization, losses, and breakdowns of dielectrics, which were published in the journal Izvestiya AN SSSR, seriya fizicheskaya, No. 11, 1960. No personalities are mentioned. References accompany each report.

Card 11/15

85020

S/048/60/024/010/029/033
B013/B063

9,2110(1385,1043,1153)

AUTHORS: Verbitskaya, T. N., Aleksandrova, L. M., and Sinitsyna, L. S.

TITLE: Provisional Communication on Piezoceramic Materials With a Dielectric Constant of 80,000 ÷ 100,000

PERIODICAL: Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, 1960, Vol. 24, No. 10, pp. 1291-1293

TEXT: A new substance, designated as BK-5 (VK-5), with very high ε-values, ε_{max} = (80,000 ÷ 100,000) has been developed. The basic characteristics, measured at room temperature, of piezoceramic materials ($\varepsilon_{initial}$, ε_{max}, and E_{max}) were compared with the corresponding characteristics of barium titanate. It may be seen from Fig. 1 that the degree of nonlinearity rises noticeably on a regular transition of barium titanate to VK-1, VK-2, and VK-5. VK-5 exhibits nonlinear properties in a wide temperature range. On a temperature drop from room temperature down to -140 ÷ -150°C the nonlinearity coefficient becomes considerably larger

Card 1/3

Provisional Communication on Piezoceramic Materials With a Dielectric Constant of 80,000 ÷ 100,000

S/048/60/024/010/029/033
B013/B063

(from 40 ÷ 50 to 320 ÷ 360). An increase of $K_{\sim}$, caused in the range of negative temperatures chiefly by a noticeable decrease of the initial ε-value, takes place with VK-2 and barium titanate as well. The quantity E_{max} becomes a little larger with a temperature drop, and becomes smaller on a temperature rise above room temperature. Proceeding from this fact, the authors determined $K_{\sim}$ with the aid of a corresponding E_{max} value at different temperatures. In the investigation of the temperature dependence of ε in fields with different field strengths, four maxima of the dielectric constant were ascertained. These maxima are specially marked at a field strength of 60 ÷ 100 v mm^{-1}. In this case, ε attains about 80,000. A definite relationship was found between the nonlinearity and the coefficient of orthogonality (koeffitsient pryamougol'nosti) $K_{hyst.}$. The higher the $K_{\sim}$, the higher will be $K_{hyst.}$ (Figs. 2 and 3). Not even in VK-5, $K_{hyst.}$ at room temperature even exceeds 60 ÷ 65%, whereas it rises up to 80% at extremely low temperatures. The present paper was read at the

Card 2/3

85020

Provisional Communication on Piezoceramic Materials With a Dielectric Constant of 80,000 ÷ 100,000

S/048/60/024/010/029/033
B013/B063

Third Conference on Piezoelectricity, which took place in Moscow from January 25 to 30, 1960. There are 3 figures, 1 table, and 3 references: 2 Soviet and 1 German.

Card 3/3

SINITSYNA, L.Ya. (Kishinev)

Clinical analysis of the causes of stillbirth and newborn mortality in some obstretical institutions of the Moldavian S.S.R. Zdravookhranenie 2 no.1:24-28 Ja-F '59. (MIRA 12:7)
(MOLDAVIA--STILLBIRTH) (MOLDAVIA--INFANTS(NEWBORN)--MORTALITY)

SINITSYNA, M.A., Cand Med Sci -- (diss) "~~Remedial~~ Therapeutic gymnastics in the ~~after-birth~~ postnatal period and the effectiveness of its ~~application~~ use." Mos, 1958, 10 pp (Second Mos State Med Inst im N.I. Pirogov) 250 copies (KL, 50-58, 131)

LEBEDEV, A.A., prof.; SINITSYNA, M.A.; PAVLOVA, I.I.

Medical gymnastics in obstetrics. Akush. i gin. 35 no.3:20-26 My-Je '59. (MIRA 12:8)

1. Iz kafedry akusherstva i ginekologii (zav. - prof.A.A.Lebedev) pediatricheskogo fakul'teta II Moskovskogo meditsinskogo instituta imeni Pirogova.

(PREGNANCY
exercise ther., evaluation (Rus))

LEBEDEV, Anatoliy Alekseyevich, prof.; KOZHANOVA, Lidiya Savel'yevna; RYKUNOV, Yerminingel'd Ivanovich; SINITSYNA, Mariya Andreyevna; CHEKANOVA, V.I., red.; VORONINA, K.K., tekhn. red.

[Physiological bases for the prevention of complications in antenatal fetal development; a manual on the overall preparation of pregnant women for labor] Fiziologicheskie osnovy profilaktiki oslozhnenii antenatal'nogo razvitiia ploda; posobie po kompleksnoi podgotovke beremennykh k rodam. Moskva, Vysshaia shkola, 1962. 81 p. (MIRA 15:7)

(PRENATAL CARE)

LEBEDEV, A.A., prof.; RYKUNOV, Ye.I.; SINITSYNA, M.A.; PRIBYLOV, K.N.; BYLIONOK, V.K.; PAVLOVA, I.I.; GOTOVTSEV, P.I., red.; YAKOVLEVA, N.A., tekhn. red.

[Exercise therapy in obstetrics and gynecology]Lechebnaia fizkul'tura v akusherstve i ginekologii; posobie dlia vrachei zhenskikh konsul'tatsii i rodil'nykh domov. Moskva, Medgiz, 1962. 173 p. (MIRA 15:12)

(EXERCISE THERAPY)
(OBSTETRICS) (GYNECOLOGY)

SINITSYNA, M. D.

Ethanol dehydration at elevated pressures. T. V. Antipina and M. D. Sinitsyna (M. V. Lomonosov State Univ., Moscow). *Zhur. Fiz. Khim.* 30, 2478–82(1956).—The dehydration of EtOH was studied at 5–25 atm. pressure of one of the reaction products, C_2H_4, or of N, with lump Al_2O_3-catalyst at 400°. The kinetic curves at elevated pressures retained the same character as in the atm. pressure. A higher C_2H_4 pressure inhibited the reduction to C_2H_4 and slightly increased the Et_2O yield. The expt. results confirmed the monomol. reaction of EtOH dehydration to Et_2O.
W. M. Sternberg

ANTIPINA, T.V.; SINITSYNA, M.D.

Catalytic activity of aluminum silicates treated with alkalies. Report No.1. Vest.Mosk.un. 12 no.1:137-142 '57. (MLRA 10:8)

1.Moskovskiy universitet, Kafedra fizicheskoy khimii.
(Aluminum silicates) (Catalysis)

ZHABROVA, G.M.; SINITSYNA, M.D.; ROGINSKIY, S.Z.

Use of the emanation method in studying catalysts. Topochemical decomposition of magnesium and zinc carbonates and hydroxides. Dokl. AN SSSR 117 no.2:255-258 N '57. (MIRA 11:3)

1. Institut fizicheskoy khimii Akademii nauk SSSR. 2. Chlen-korrespondent AN SSSR (for Roginskiy).
(Magnesium salts) (Zinc salts)

5(4) SOV/62-59-1-35/38

AUTHORS: Sinitsyna, M. D., Zhabrova, G. M., Roginskiy, S. Z., Gordeyeva, V. A.

TITLE: Emanating Capacity in Topochemical Processes as a Typical Feature of the Specific Surface (Emaniruyushchaya sposobnost' pri topokhimicheskikh protsessakh kak kharakteristika udel'noy poverkhnosti)

PERIODICAL: Izvestiya Akademii nauk SSSR. Otdeleniye khimicheskikh nauk, 1959, Nr 1, pp 176 - 178 (USSR)

ABSTRACT: In order to investigate the changes of the structure and specific surface in topochemical processes the authors applied the method of emanation. Radiothorium nitrate solution was used as emanation source. The advantage of radiothorium in comparison to the previously used radium (Ref 1) consists in the fact that it forms thoron in systematic transformation. Since thoron has only a short half-life measurements can be carried on without interruption (Refs 1 and 2). In the investigation of magnesium hydroxide and magnesium oxide samples it was found that there is a linear dependence of the emanation coefficient (measured

Card 1/2

Emanating Capacity in Topochemical Processes as a Typical Feature of the Specific Surface

SOV/62-59-1-35/38

at room temperature) on the size of the specific surface. This dependence apparently holds also for other systems. It indicates that the determination of the emanation coefficient can be substituted for comparatively difficult and complicated measurements of sorption. First a calibration curve would have to be plotted for each system, however, according to several points determined by experiments: emanation coefficient - specific surface. There are 1 figure and 5 references, 2 of which are Soviet.

ASSOCIATION: Institut fizicheskoy khimii Akademii nauk SSSR (Institute of Physical Chemistry of the Academy of Sciences, USSR)

SUBMITTED: June 28, 958

Card 2/2

SOV/20-124-2-32/71

5(4)
AUTHORS: Zhabrova, G. M., Sinitsyna, M. D., Roginskiy, S. Z., Corresponding Member, AS USSR

TITLE: The Application of the Emanation Method in the Investigation of Catalysts (Primeneniye emanatsionnogo metoda k issledovaniyu katalizatorov)

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 124, Nr 2, pp 354-357 (USSR)

ABSTRACT: The authors first mention some previous papers on this subject. It is of interest to investigate one of the previously investigated systems in detail by applying radioactive thorium. The magnesium hydroxide used in these experiments was prepared by precipitation from solutions of magnesium nitrate and alkali followed by careful washing with distilled water. A solution of 0.36 g ThO_2/ml (radioactive thorium) in nitric acid was used as a source of emanation. The authors determined the kinetic curves for the time dependence of the emanating power in the course of the dehydration of magnesium hydroxide at the temperatures 320; 350; 400; 450; 550; 600; 700; 800; and 1080°. At

Card 1/3

The Application of the Emanation Method in the Investigation of Catalysts

the same time, the percentage of the conversion of hydroxide into oxide was determined. A continuous increase of the emanating power with time is observed at the temperatures of 320° and 350°. The liberation of thoron becomes much slower towards the end of dehydration. The continuous character of the time dependence of radioactivity is disturbed already at a dehydration temperature of 400°, i.e. there is a flat maximum which corresponds to 75% of conversion. At 450° there is already a clear maximum which corresponds to 70-80% of conversion. A further increase in dehydration temperature continues to increase the sharpness of the maximum. The characteristic shape of the kinetic curves for the time dependence of the emanating power is caused by the simultaneous effect of dehydration and thermal sintering. The second diagram shows the curves for the dependence of the emanation coefficient and of the specific surface on the dehydration temperature of magnesium hydroxide. Both these quantities have a maximum at 450° after which they decrease. The emanating coefficient measured at the temperature of the topochemical process must be described by more complicated functions. The thoron generated seems to

The Application of the Emanation Method in the Investigation of Catalysts

be eliminated only from the superficial layer of the samples of hydroxide and magnesium oxide investigated. There are 3 figures, 1 table, and 7 references, 4 of which are Soviet.

ASSOCIATION: Institut fizicheskoy khimii Akademii nauk SSSR (Institute of Physical Chemistry of the Academy of Sciences, USSR)

SUBMITTED: September 24, 1958

SINITSYNA, M.I.

Nature of vascular reactions to local cooling in infants. Pediatriia (MIRA 13:2)
37 no.10:46-51 O '59.

1. Iz kafedry pediatrii (zaveduyushchiy - prof. R.A. Patushinskaya) Ryazanskogo meditsinskogo instituta imeni akademika I.P. Pavlova (direktor - prof. L.S. Sutulov).
(VASOMOTOR SYSTEM physiol.)

SINITSYNA, M.I.

Hardening of infants in nurseries. Vop.okh.mat.i det. 5 no.3: 78-82 My-Je '60. (MIRA 13:7)

1. Iz kafedry pediatrii (zav. - prof. R.A. Patushinskaya) Ryazanskogo meditsinskogo instituta imeni akad. I.P. Pavlova (dir. - prof. L.S. Stulov).
(INFANTS--CARE AND HYGIENE)

SINITSYNA, M. I.

Cand Med Sci - (diss) "Experience of adaptation of children to nurseries." Voronezh, 1961. 19 pp; (Voronezh State Medical Inst); 250 copies; price not given; (KL, 5-61 sup, 206)

BAKIN, R.L., inzh.; SINITSYNA, M.N., inzh.

Simplified water system of condensing electric power plants. Elek. sta. 30 no.2:31-34 F '59. (MIRA 12:3)
(Feed water) (Electric power plants)

TAGIROV, M.Z.; FALEYEV, N.P.; TIMOSHEK, V.Ye.; SINITSYNA, M.Ya.

Experience in improving the purification of waste waters. Khim. i tekh. topl. i masel 8 no.12:35-37 D '63. (MIRA 17:1)

1. Angarskiy neftepererabatyvayushchiy zavod.

OGIYCHUK, O.; LYSOV, A., slesar' (Vologda); SINITSYNA, N.; TROFIMOV, A., tokar'; KAMENSKIY, Yu., master.

Our readers' comments on works nominated for Lenin's prizes. Sov. profsoiuzy 17 no.4:33-34 F '61. (MIRA 14:2)

1. Zaveduyushchaya bibliotekoy Ukrsovprofa (for Ogiychuk). 2. Kontroler zavoda imeni Vladimira Il'icha (for Sinitsina). 3. Zavod malolitrazhnykh avtomobiley (for Trofimov). 4. Zavod "Serp i Molot" (for Kamenskiy).
(Russian literature) (Theater)

DRAPKIN, B., vrach-psikhonevrolog; SINITSYNA, N., logoped;
USPENSKAYA, L., logoped

School of a home speech correction teacher (conclusion).
Nauka i zhizn' 29 no.12:94-95 D '62. (MIRA 16:3)
(Speech therapy)

SINITSYNA, N.I.

Tow cured cases of rhinogenous thrombosis of the cavernous sinus. Vest. otorinolar. no.5:78-80 Sept-Oct 1950. (CIML 20:1)

1. Of the Ear Division (Head -- Prof. A. A. Bakritskiy), Sokolinaya Gora Hospital (Head Physician -- D. T. Titenkov), Moscow.

BRAUNSHTEYN, A.Ye.; TORCHINSKIY, Yu.M.; MALAKHOVA, E.A.; SINITSYNA, N.I.

Interaction of aspartate aminotransferase with pyridoxamine phosphate and its analogs. Ukr.biokhim.zhur. 37 no.5:671-678 '65. (MIRA 18:10)

1. Institut molekulyarnoy biologii AN SSSR, Moskva.

USSR/Plant Diseases: Diseases of Cultivated Plants 0-3

Abs Jour : Ref Zhur - Biol., No 10, 1958, No 44462

Author : Sinitsyna N.I.
Inst : Stalingrad Agricultural Institute
Title : Blister Smut on Corn in the Volga Akhtubinskaya Bottom Land

Orig Pub : Sb. nauchn. rabot. stud. Stalingr. s.-kh. in-ta, 1956, vyp. 2, 16-18

Abstract : Corn cultivated without irrigation in the farms of the Volga Akhtibinskaya bottomland is infected within the limits of 24-26% by this disease.

Card : 1/1

SINITSYN, N.I.

Use of total evaporation in hydrometeorological calculations. (MIRA 12:?)
Trudy OGMI no.17:11?-12? '6?.
(Evaporation)

SINITSYNA, N.I.

Determination of evaporation. Trudy OGMI no.18:77-84 '59.
(MIRA 13:5)

(Ukraine--Evaporation)

SINITSYNA, N.I.

Establishing dates of stable transition of air temperatures beyond certain limits. Trudy OGMI no.18:85-89 '59.
(MIRA 13:5)

(Odessa Province--Atmospheric temperature)
(Meteorology, Agricultural)

SINITSYNA, N.I.

Dynamics of productive soil moisture in the south of the European part of the U.S.S.R. Trudy GGO no.92:127-135 '59. (MIRA 13:5)

(Russia, Southern--Soil moisture)
(Wheat--Moisture requirements)

SINITSYNA, N.I.; KLYUSOVETS, V.V.

Agroclimatic conditions of the fall growing period and wintering conditions of winter rye in Novosibirsk Province. Trudy OGMI no.22:23-28 '60. (MIRA 14:10)
(Novosibirsk Province--Rye) (Crops and climate)

SINITSYNA, N.I.

Evaporation regime from fields under cultivation in drought years. (MIRA 16:6)
Trudy OGMI no.25:21-28 '61.
(Soil moisture)

SINITSYNA, N.K.

3(5) PHASE I BOOK EXPLOITATION SOV/2682

Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy neftyanoy institut

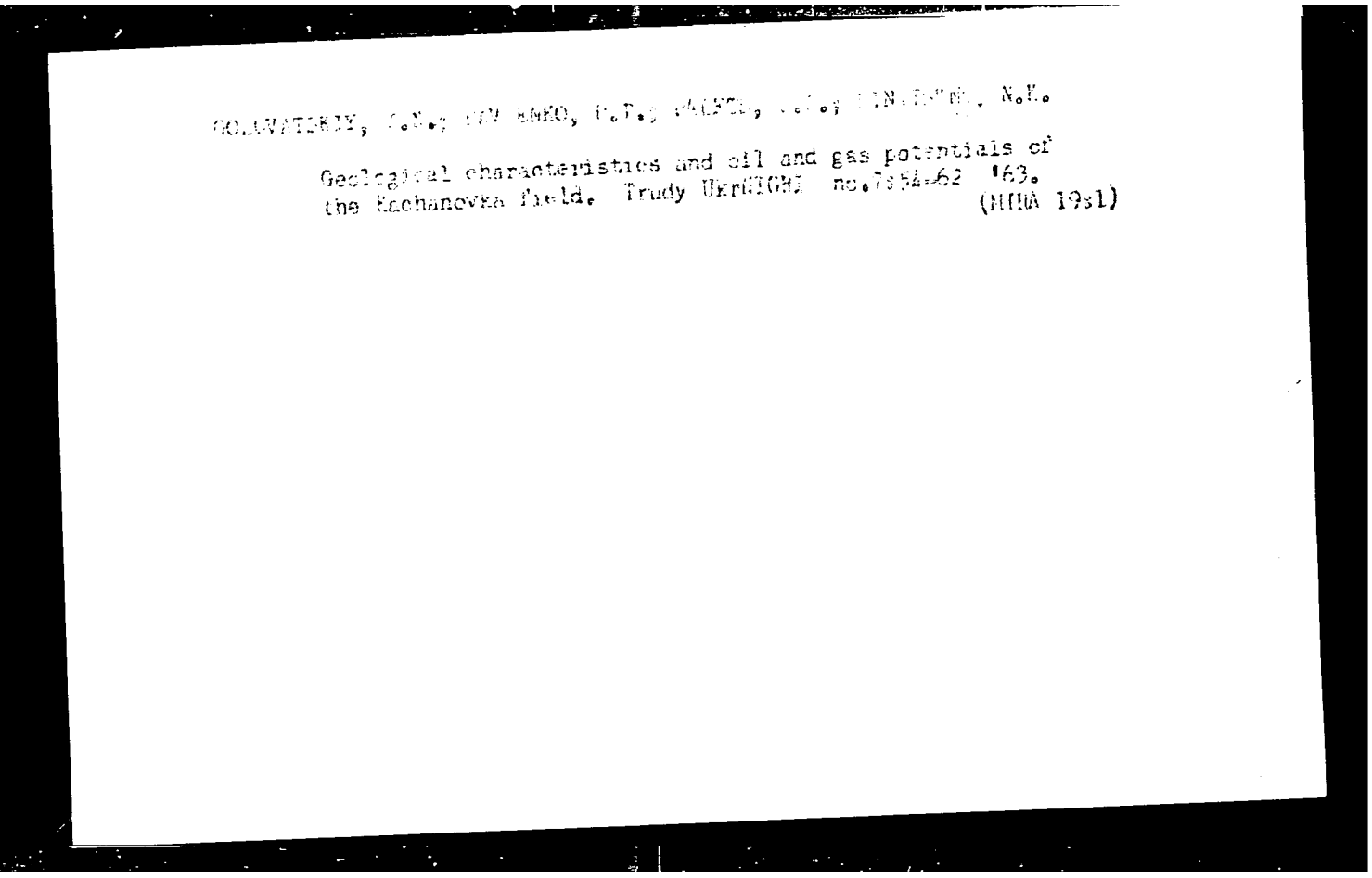
Voprosy poiskov, razvedki i dobychi nefti i gaza na territorii USSR; doklady na vyyezdnoy sessii uchenykh sovetov VNIGNI i VNII, prokhodivshey v g. L'vove v maye 1957 g. (Problems in the Exploration and Production of Oil and Gas in the Ukrainian SSR; Reports Presented at a Session of the Scientific Councils of the All-Union Petroleum Scientific Research Institute for Geological Survey and the All-Union Scientific Research Institute, in Lvov, May 1957) Moscow, Gostoptekhizdat, 1959. 282 p. 1,000 copies printed.

Additional Sponsoring Agency: USSR. Ministerstvo geologii i okhrany nedr.

Eds.: I. G. Baranov, V. V. Glushko, and A. S. Muromtsev; Executive Eds.: S. M. Tungans, and A. I. Zaretskaya; Tech Ed.: I. G. Fedotova.

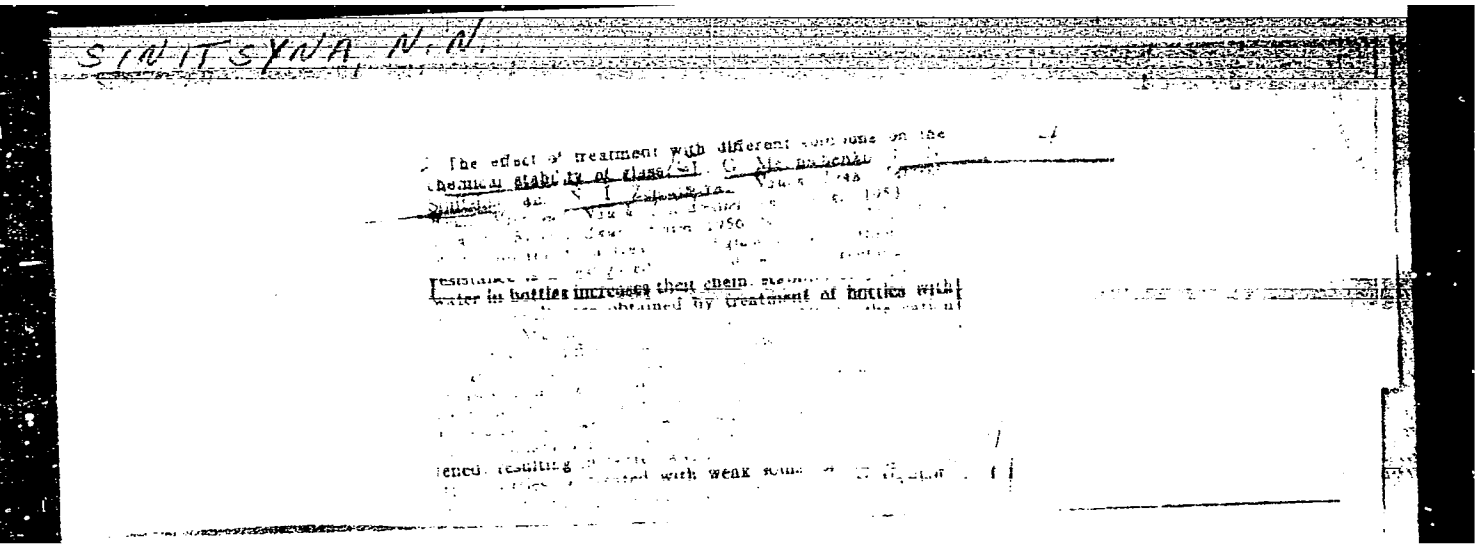
PURPOSE: This book is intended for petroleum geologists and Ukrainian area specialists.

COVERAGE: This book contains 27 reports originally read at a meeting of the scientific councils of the VNIGNI (All-Union Petroleum Scientific Research Institute for Geological Survey), the VNII (All-Union Scientific Research Institute), the VNIIgaz, Ukrnaft', Ukrgaz, Ukrvostokneftegazrazvedka, Ukrneftegazrazvedka, and Ukrneftegeofizika held in L'vov in May, 1957. The papers deal with the petroleum geology of the Dnepr-Donets depression, the Carpathians, Ciscarpathia, the southwestern fringe of the Russian Platform, and the northern Black Sea area. Particular attention is given to describing the geological features of those regions most likely to bear oil. Other articles discuss oil production techniques and ways of increasing drilling speed in deep wells. No personalities are mentioned. References accompany individual articles.



GOLOVATSKIY, [illegible] N.K.

Geological characteristics and oil and gas potentials of the Kachanovka field. Trudy UkrNIGRI no.7:54-62 '63.
(MIRA 19:1)



SIVITSKAYA, N.N.

The effect of treatment with different [illegible] on the [illegible]
chemical stability of glass [illegible]

resistance [illegible] chem. [illegible]
water in bottles increases [illegible] treatment of bottles with [illegible]

[illegible] resulting [illegible] with weak [illegible]

ALFEROV, Vasiliy Alekseyevich; SINITSYNA, N.S., redaktor; ZURRILINA, Z.P., tekhnicheskiy redaktor

[Bulbous flowers; hyacinths, tulips, lilies, narcissuses, amaryllises hippeastrums and tuberoses] Lukovichnye tsvetochnye rasteniia; giatsinty, tiul'pany, lilii, nartsissy, amarillisy, gippeastrumy, tuberozy. Moskva, Gos. izd-vo selkhoz. lit-ry, 1956. 91 p. (MLRA 9:9)

1. Agronom sovkhoza "Yuzhnye kul'tury" (for Alferov)
(Bulbs)

SINITSYNA, N. S.

ZAYETS, V.K., kandidat sel'skokhozyaystvennykh nauk; VEN'YAMINOV, A.N.; YENIKEYEV, Kh. K.; RYABOV, I.N.; KOSTINA, K.F.; FINAYEV, Ye. P.; SYUBAROVA, Z.P.; VASIL'YEV, K.V.; PROTASEVICH, L.A.; CHEREVATENKO, A.S.; UL'YANISHCHEV, M.M.; ORATOVSKIY, M.T.; DUKA, S.Kh.; SINITSYNA, N.S., redaktor; SOKOLOVA, N.N., tekhnicheskiy redaktor

[Breeding stone fruits; collection of articles] Selektsiia kostochkovykh kul'tur; sbornik statei. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1956. 278 p. (MLRA 10:4)

1. Moscow, Nauchno-issledovatel'skiy institut sadovodstva imeni I.V. Michurina.
(Fruit culture)

SINITSYNA, N.S., red.; FEDOTOVA, A.F., tekhn.red.

[Orchards on virgin land] Sady na tseline. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1960. 142 p. (MIRA 14:1)
(Fruit culture)

NIKONOVA, Nina Andreyevna; SINITSYNA, N.S., red.; GUREVICH, M.M., tekhn. red.

[Radish]Redis. Moskva, Sel'khozgiz, 1961. 71 p. (MIRA 15:9)
(Radishes)

DROBYSHEVA, Nina Aleksandrovna; SINITSYNA, N.S., red.; TRUKHINA, O.N., tekhn. red.

[Carrots, parsley, and parsnips] Morkov', petrushka, pasternak. Moskva, Gos. izd-vo sel'khoz. lit-ry, zhurnalov i plakatov, 1961. 93 p. (MIRA 15:3)
(Carrots) (Parsnips) (Parsley)

PETUKHOV, S.P., SMOL'YANINOVA, N.K.; SPIRINA, A.S.; SINITSYNA, N.S., red.; BYKOVA, M.G., red.; TRUKHINA, O.N., tekhn. red.

[Growing berry nursery stock] Vyrashchivanie posadochnogo materiala iagodnykh kul'tur. Moskva, Sel'khozizdat, 1962. 206 p. (MIRA 16:2)

(Berries) (Nursery stock)

YEROFEYEV, V.I.; SINITSYNA, N.V., red.

[Principles of the design and technology of the manufacture of electronic apparatus; a textbook] Osnovy konstruirovaniia i tekhnologii izgotovleniia elektronnoi apparatury; uchebnoe posobie. Moskva, Rozvuzizdat, 1962. 150 p. (MIRA 17:7)

1. SINITSYNA, N.V.

2. USSR (600)

4. Citrus Fruits - Diseases and Pests

7. Early diagnosis of mal secco, a withering disease of citrus fruit, Dost.sel'khoz. no. 4, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

SINITSYNA, N.V

F-2

USSR/Microbiology - Antibiosis and Symbiosis
Antiobiotics.

Abs Jour: Ref Zhur - Biol., No 18, 1958, 81437

Author : Mirzabekyan, R.O., Sinitsyna, N.V.

Inst :

Title: : Testing Actinomycetes Against Potato Tumors.

Orig Pub: Zashchita rast. ot vredit. i bolezney, 1957, No 5, 42-44

Abstract: By direct contact of actinomycetes with dormant fungus spores which cause potato tumors, 5 actinomycete-antagonists were selected. The pigments formed by actinomycete-antagonists penetrated into the sporangium of fungi, coloring their contents, but not the capsule. Also different morphological changes were estqblished in the sporangia, caused by the effect of actinomycete-

Card 1/2

ZAYTSEVA, Yevgeniya Nikolayevna; SINITSYNA, N.V., red.; FEDOTOVA, A.F., tekhn. red.

[Tulips] Tiul'pany. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1958. 86 p. (MIRA 11:10)
(Tulips)

SINITSYNA, N.V.

Conference on antibiotics. Zashch. rast. ot vred. i bol. 4 no.2: 57 '59. (MIRA 16:5)

(Antibiotics) (Plants, Protection of—Congresses)

MIRZABEKYAN, R.O., kand.biologicheskikh nauk; SINITSYNA, N.V.; BELYAKOV, O.G.

Developing biological methods for controlling potato wart. Agrobiologiia no.4:566-572 Jl-Ag '61. (MIRA 14:7)

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(Potato wart)

L 1778-66 EWT(m)/EPF(n)-2/EWP(j)/T/EWP(t)/EWP(b) IJP(c) ES/JD/WW/JG/RM
ACCESSION NR: AP5024003 UR/0020/65/164/002/0351/0353

AUTHOR: Sinitsyna, S. M.; Sinitsyn, N. M.

TITLE: The reaction of uranyl halides with tri-n-butylphosphine oxide

SOURCE: AN SSSR. Doklady, v. 164, no. 2, 1965, 351-353

TOPIC TAGS: extraction, uranium complex, nuclear fuel

ABSTRACT: In this work a number of complexes were formed between uranyl dihalides and tri-n-butylphosphine oxide (TBPO). Freshly prepared uranium trioxide was dissolved in stoichiometric amounts of the appropriate hydrohalic acid, followed by addition of TBPO in n-heptane (U:TBPO = 1:2). The following complexes were obtained: $[(UO_2)_6F_{12}(TBPO)_8]$, $[UO_2Cl_2(TBPO)_2]$, $[UO_2Br_2(TBPO)_2]$, and $[UO_2I_2(TBPO)_4]$, as indicated by elemental analysis. Cryoscopic molecular-weight determinations in benzene indicate that the fluoride complex exists in benzene in the form of a hexamer, the chloride complex as a tetramer, and the bromide and iodide complexes as monomers. There is evidence for the existence of bridging halogen bonds between individual complex molecules. [VS]

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