L 32078-66 EWT(1)/EWP(m)/EWT(m)/EWP(v)/EWP(k) IJP(c) EM

ACC NR: AP6013388 (A,N) SOURCE CODE: UR/0096/66/000/005/0030/0033

AUTHOR: Alekseyeva, R. N. (Engineer)

ORG: All-Union Heat Technology Institute (Vsesoyuznyy teplotekhnicheskiy institut)

TITLE: Flow around peripheral sections of thin vanes at subsonic entrance velocities

SOURCE: Teploenergetika, no. 5, 1966, 30-33

TOPIC TAGS: turbine blade, gas flow, subsonic flow

ABSTRACT: The grids investigated consisted of five profiled channels with a vane height equal to 40 mm, a chord equal to 20 mm, and spacings from 30 to 40 mm. Detailed measurements were made in a single middle channel. The distributions of the statistical pressures with respect to the spacings at the entrance were measured in three middle channels and showed good agreement, except for local supersonic zones at the entrance which were formed at small angles of attack and large pressure drops. At the corresponding points of the different channels in these zones, the Mach numbers varied up to approximately 0.05. The experiments were carried out at relatively large Reynolds numbers: $Re = 4\text{-}6.5 \times 10^5$,

Card 1/2 UDC: 621.165.533.6.001.5

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ACC NR: AP6013388

that is, approximately five times larger than for the final stages of power turbines. The efficiency of the working vanes was evaluated by the peripheral force created by the flow around the vanes. At a large angle of rotation of the flow in the grid (of the order of 100-150°), which occurs in ordinary working vanes, the peripheral force on the vanes attains a large magnitude. The present investigation was primarily directed at ascertaining the losses of energy in the vanes, which decreases the peripheral force. Results of the experiments are shown in a comprehensive table. Orig. art. has: 6 figures and 1 table.

SUB CODE: 21, 20/ SUBM DATE: none/ ORIG REF: 002

Card 2/2 BLG

ALEKSEYEVA, R.P. --

"Investigation Lactoses by x-Ray Analysis of Structure." Cand Tech Sci, Latvian Agricultural Acad, Uzhgorod, 1954. (RZhKhim, No 20, Oct 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions(10)

SO: Sum. No. 481, 5 May 55

VLASOV, P.A.; ALEKSEYEVA, R.P., nauchn. sotr.; IFTINKA, G.A., red. izd-va; GOL'BERG, T.M., tekhn. red.

[Instructions for assembling, testing, and operating equipment in standard railside warehouses for cement] Ukazaniia po montazhu, ispytaniiu i ekspluatatsii oborudovaniia na tipovykh mekhanizirovannykh prirel'sovykh skladakh tsementa. Moskva, Stroiizdat, 1964. 158 p. (MIRA 17:2)

1. Moscow. Nauchno-issledovatel'skiy institut organizatsii, mekhanizatsii i tekhnicheskoy pomoshchi stroitel'stvu. 2. Rukovoditel' laboratorii mekhanizatsii skladskikh rabot 4-go otdela Nauchno-issledovatel'skogo instituta organizatsii, mekhanizatsii i tekhnicheskoy pomoshchi stroitel'stvu, Moskva (for Vlasov).

ALMEKSHYEVA, N.S.

Conference of key medical personnel from rural districts of Chelyabinsk Province. Zdrav.Ros.Feder. 2 no.7:45-46 Jl'58 (MIRA 11:7)

(CHELYABINSK PROVINCE--MEDICINE, RURAL)

ALEKSEYEVA, R.S.

Medicine and safety engineering at factories in Chelyabinsk Province and how they can be improved. Zdrav. Ros. Fed. 2 no.9:44 S '58 (MIRA 11:10)

(CHELYABINSK PROVINCE--INDUSTRIAL HYGIENE)

ALMAZOVA, M.S.

Over-all planning of measures for improving the medical care and health of the rural population of Chelyabinsk Province. Zdrav. Ros. Feder. 4 no.3:3-6 Mr '60. (MIRA 13:5)

1. Zamestitel' zaveduyushchego Chelyabinskim oblzdravotdelom.
(CHELYABINSK PROVINCE--PUBLIC HEALTH)

ALEKSEYEVA, R.S.

Meeting of the Chelyabinsk Province group on public health. Zdrav. Ros. feder. 4 no.11:42-43 '60. (MIRA 13:11)
(CHELYABINSK PROVINCE--PUBLIC HEALTH)

ALEKSEYEVA, R.S.

Interprovince conference on the exchange of experience in province hospitals. Zdrav. Ros. Feder. 5 no. 4:45-48 Ap '61. (MIRA 14:4)
(SIBERIA--HOSPITALS)

ALEKSEYEVA, R. S.

Planning the work of a province public health apparatus. Zdrav. Ros. Feder. 6 no.5:8-11 My '62. (MIRA 15:7)

1. Zaveduyushchaya Chelyabinskim oblastnym otdelom zdravookhraneniya.

(CHELYABINSK PROVINCE—PUBLIC HEALTH ADMINISTRATION)

ALEKSEYEVA, N.S.

Work of the bureau of generalization and dissemination of advanced practices of the provincial public health department. Zdrav. Ros. Feder. 7 no.6:11-14 Je '63.
(MIRA 17:1)

1. Zaveduyushchaya Chelyabinskim oblastnym otdelom zdravookhraneniya.

ALEKSEYEVA, REVMIRA VALENTINOVA

ALEKSEYEVA, REVMIRA VALENTINOVA

Nedelimyy fond v kolkhoze (Indivisible stocks in collective farms)
Moskva, Moskovskiy Rabochiy, 1955. 55 p. Bibliographical footnotes.

ALEKSEYEVA, Revmira Valentinovna, kand. ekon. nauk; VORONIN, Andrey Pavlovich, kand. ekon. nauk; ZAVERNYAYEVA, L.V., red.; GERASIMOVA, Ye.S., tekhn. red.

[Accumulation and development of collective farm property] Nakoplenie i razvitie kolkhoznoi sobstvennosti. Moskva, Izd-vo ekon. lit-ry, 1963. 247 p. (MIRA 16:10)
(Collective farms—Finance)

ALEKSHTEVA, M.V.; EYGENSON, A.S.

Which column refluxing system is the most suitable? Khim.i tekh. topl.i masel 5 no.4:53-57 Ap '60. (MIRA 13:6)

1. Bashkirskiy nauchno-issledovatel'skiy institut po pererabotke nefti i gaza i polucheniyu iskusstvennogo zhidkogo topliva.
(Distillation apparatus)

ALEKSEYEVA, R.G.

128

PHASE I BOOK EXPLOITATION SOV/6246

Soveshchaniye po tseolitam. 1st, Leningrad, 1961.

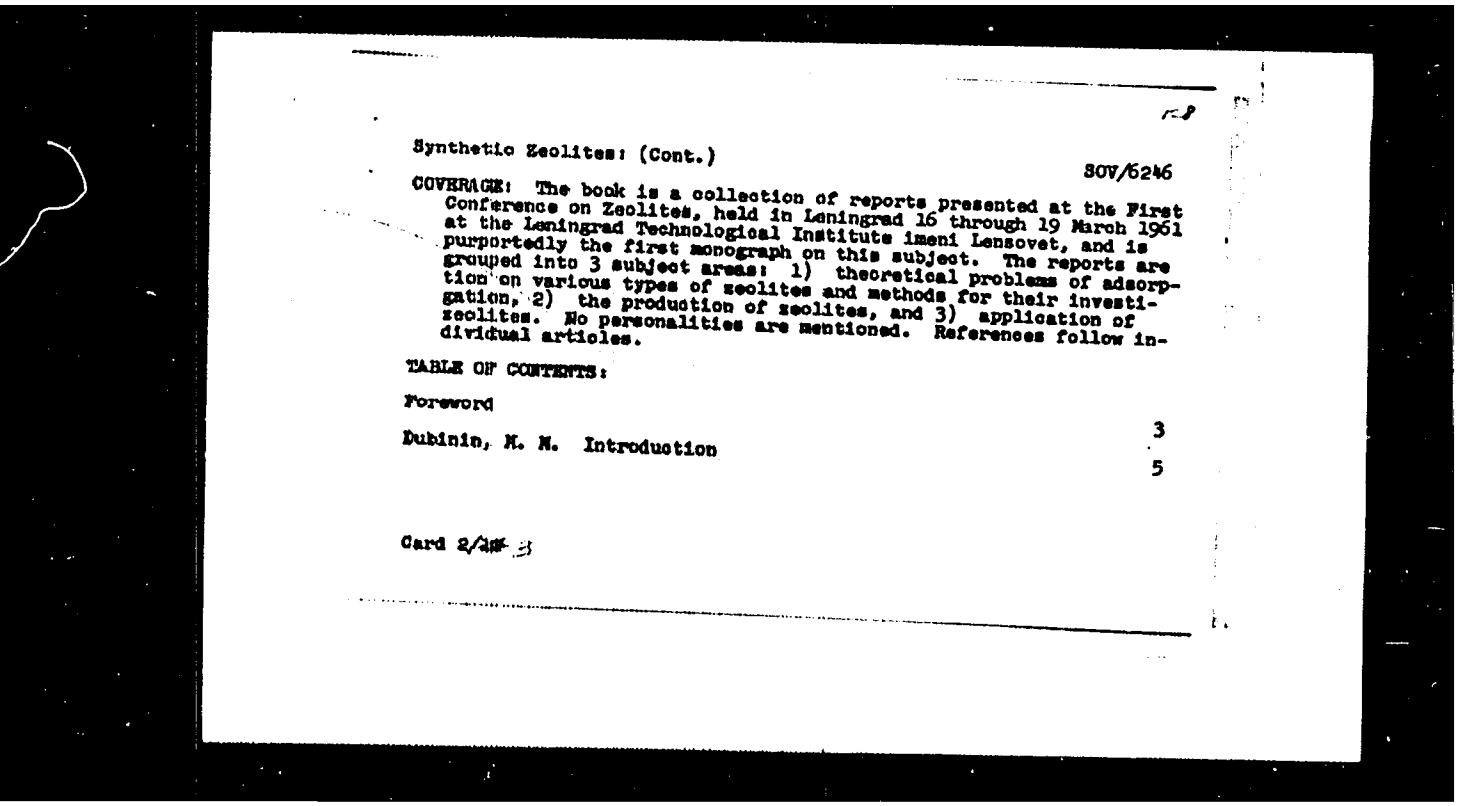
Sinteticheskiye tseolity; polucheniye, issledovaniye i primeneniye (Synthetic Zeolites: Production, Investigation, and Use). Moscow, Izd-vo AN SSSR, 1962. 286 p. (Series: Its: Doklady) Errata slip inserted. 2500 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Otdeleniye khimicheskikh nauk. Komissiya po tseolitam.

Resp. Eds.: M. M. Dubinin, Academician and V. V. Serpinskiy, Doctor of Chemical-Sciences; Ed.: Ye. G. Zhukovskaya; Tech. Ed.: S. P. Golub'.

PURPOSE: This book is intended for scientists and engineers engaged in the production of synthetic zeolites (molecular sieves), and for chemists in general.

Card 1/2#3



Synthetic Zeolites: (Cont.) SOV/6246

COVERAGE: The book is a collection of reports presented at the First Conference on Zeolites, held in Leningrad 16 through 19 March 1961 at the Leningrad Technological Institute imeni Lensovet, and is purportedly the first monograph on this subject. The reports are grouped into 3 subject areas: 1) theoretical problems of adsorption on various types of zeolites and methods for their investigation, 2) the production of zeolites, and 3) application of zeolites. No personalities are mentioned. References follow individual articles.

TABLE OF CONTENTS:

Card 2/2

VOL'F, M.B.; ALEKSEYEVA, R.V.; PROKOF'YUK, L.G.

Using molecular sieves to increase the octane number of gasolines. Trudy BashNII NP no.6:79-94 '63. (MIRA 17:5)

SOV/5-33-1-25/25

AUTHORS: Sidyachenko, A.I. and Alekseyeva, E.Ye

TITLE: The Brachiopods and the Basic Problems of Stratigraphy of Famennian Deposits in the Central and South-Eastern Parts of Kara-Tau Ridge (Brakhiopody i osnovnyye voprosy stratigrafii famenskikh otlozheniy tsentral'noy i yugo-vostochnoy chastey khrebta Kara-Tau)

PERIODICAL: Byulleten' Moskovskogo obshchestva ispytateley prirody, Otdel geologicheskiy, 1958, Vol 33, Nr 1, pp 159-160 (USSR)

ABSTRACT: The authors sum up the report they read on October 11 1957 in the Paleontological Section of the Moscow Society of Naturalists (Abstract Nr 21). In the cross-section of the Famennian deposits of Central and South-Eastern Kara-Tau, four groups of fauna, replacing in time each other, could be identified. The identification of these groups fixed four biostratigraphic levels. The authors submit a list of fossils belonging to each of these levels.

USCOMM-DC-60477

Card 1/1

17 (4)
AUTHOR: Alekseyeva, R. Ye. SOV/20-126-2-45/64

TITLE: A New Genus of the Atrypidae Gill. Family (Brachiopoda)
(Novyy rod sem. Atrypidae Gill. (Brachiopoda))

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 126, Nr 2,
pp 389-391 (USSR)

ABSTRACT: The genus Vagrania gen. n., of the generotype Atrypa kolymensis Nalivkin, here for the first time specified by the author, and named after the River Vagran in the Ural, was eliminated from the genus Atrypa dalman. Several naturalists, especially in the last century, attributed heterogeneous elements to Atrypa. In the course of the last 50 years it was subdivided into many new genera which were attributed to sub-families. In spite of this, the genus Atrypa still remains heterogeneous and unsufficiently investigated. Vagrania kolymensis (Figs 1, 2) originates from the Devon of the country of Kolyma, from the left bank of the River Taskan (left tributary of the Kolyma). The genus, under consideration, differs from all other genera of Atrypa because of its characteristic microsculpture, a straight point with an open foramen, and the existence of an area. Further

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A New Genus of the Atrypidae Gill. Family (Brachiopoda) SOV/20-126-2-45/64

characteristics are: tooth-plates and muscle-fields, which are elevated above the inner valve-surface. The typical species also occurs in the Vagran Suite (Eifelian) and on the rivers Vagran and Sos'va (Ural). There are 3 figures and 2 Soviet references.

ASSOCIATION: Paleontologicheskiy institut Akademii nauk SSSR (Paleontological Institute of the Academy of Sciences, USSR)

PRESENTED: February 9, 1959, by A. L. Yanshin, Academician

SUBMITTED: February 5, 1959

Card 2/2

ALEKSEYEVA, R.Ye.

Structure of lophophores in the genus Atrypa Dalman. Paleont.zhur. no.3:66-73 '60. (MIRA 13:10)

1. Institut geologii i geofiziki Sibirskogo otdeleniya Akademii nauk SSSR.
(Gur'yevsk region (Kemerovo Province)--Brachiopoda, Fossil)

ALEKSEYEVA, R.Ye.

The genus Spirigerina Orbigny. Paleont. zhur. no.4:63-68 '60.
(MIRA 14:1)

1. Institut geologii i geofiziki, Sibirskoye otdeleniye AN SSSR.
(Ural Mountains--Brachiopoda, Fossil)

ALEKSEYEVA, Raisa Yevgrafovna; GRIGOR'YEVA, A.D., kand. biol. nauk, otv. red.; MESSNER, O.M., red. izd-va; KYLINA, Yu.V., tekhn. red.

[Devonian Atrypa of the Kuznetsk and Minusinsk Basins and the eastern slope of the Northern Urals]Devonskie atripidy Kuznetskogo i Minusinskogo basseinov i vostochnogo sklona Severnogo Urala. Moskva, Izd-vo Akad. nauk SSSR, 1962. 195 p. tables. (MIRA 16:2)

(Kuznetsk Basin--Brachiopoda, Fossil)
(Minusinsk Basin--Brachiopoda, Fossil)
(Ural Mountains--Brachiopoda, Fossil)

ALEKSEYEVA, N. Ya.

Dissertation defended for the degree of Candidate of Geologo-Mineralogical Sciences at the Joint Academic Council on Geologo-Mineralogical, Geophysical, and Geographical Sciences; Siberian Branch

"Devonian Atrypids [?] of the Kuznetskiy and Minusinskiy Basins and of the Eastern Slope of the Northern Urals."

Vestnik Akad. Nauk, No. 4, 1963, pp 119-145

ALEKSEYEVA, E.Ye.

Famennian stage of the [illegible]-Tabak [illegible] region (northeastern U.S.S.R.). Dokl. AN SSSR 100 no.1:[illegible] '55. [illegible]

(MIRA 8:2)

1. Institut geologii i geofiziki [illegible] otdeleniya AN SSSR. Submitted July 16, 1954.

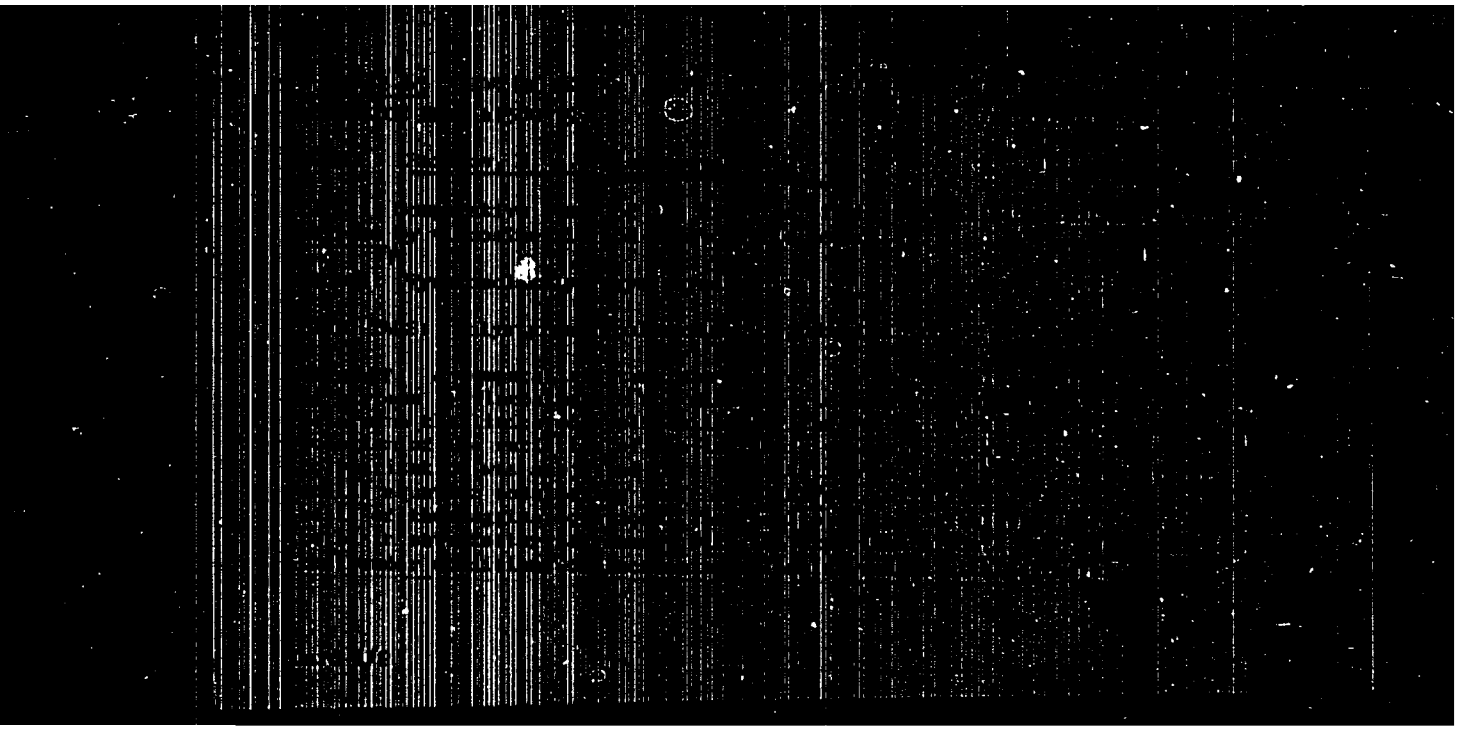
ALEKSEYEVA, R.Ye.; BETEKHTINA, O.A.; VOZZHENNIKOVA, T.F.; GRATSIANOVA, R.T.; DUBATOLOV, V.N.; YELKIN, Ye.A.; ZAKHAROV, V.A.; IVANOVSKIY, A.B.; SIDYACHENKO, A.I.; KUL'KOV, N.P.; MYAGKOVA, Ye.I.; OBUT, A.M.; SAKS, V.N.; TESAKOV, Yu.I.; FURSENKO, A.V.; KHOMENTOVSKIY, V.V.; YUFEREV, O.V.

Corresponding Member of the Academy of Sciences of the U.S.S.R. Boris Sergeevich Sokolov; 1914 - ; on his 50th birthday. Geol. i geofiz. no.8:140-147 '64 (MIRA 18:2)

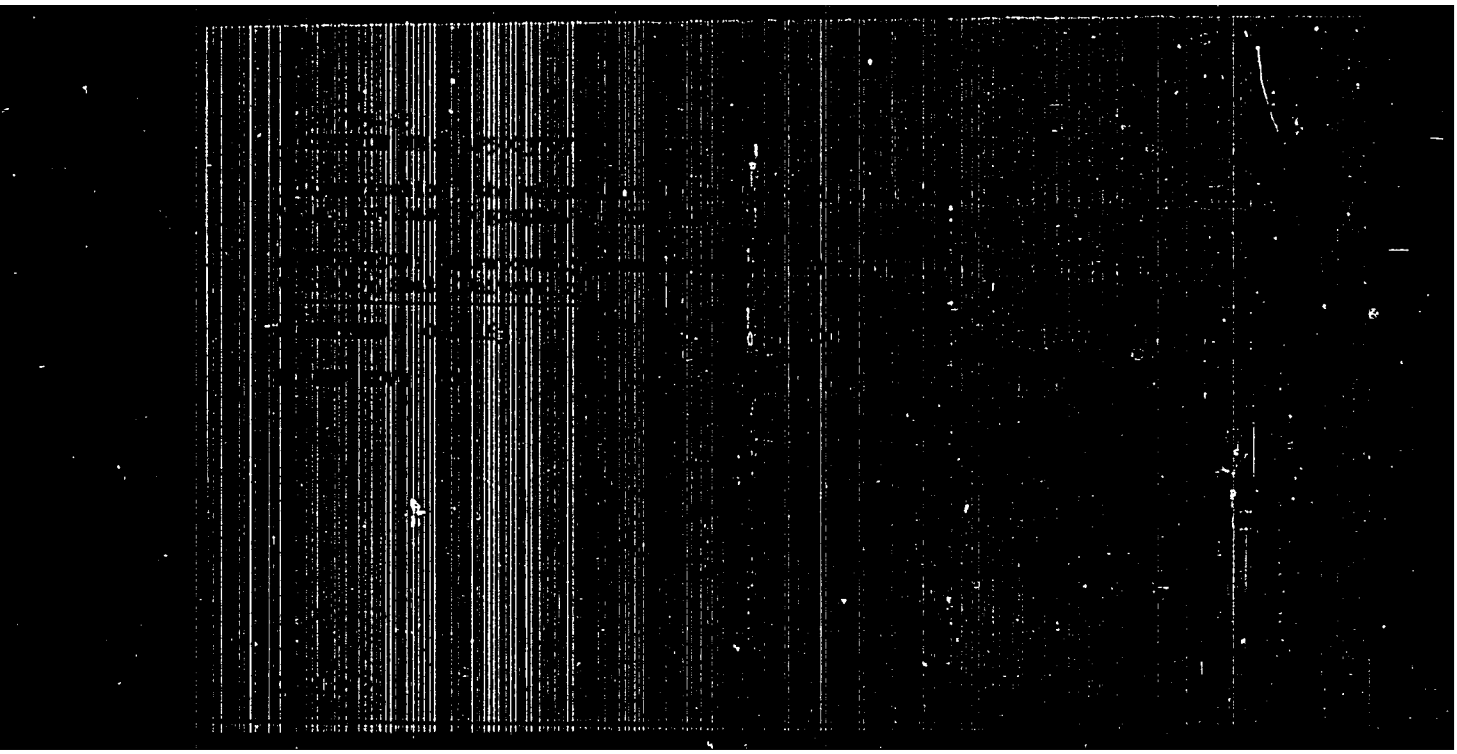
KOVALENKO, O., nauchnyy sotrudnik; ALEKSEYEVA, S., nauchnyy sotrudnik

Preparation of comprehensive action. Zashch. rast. ot vred. i bol. 10 no.12:31 '65. (MIRA 19:1)

1. Kabardino-Balkarskaya opytnaya stantsiya sadovodstva.



APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101010008-0"



APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101010008-0"

VOLKOVA, M.A.; [redacted]

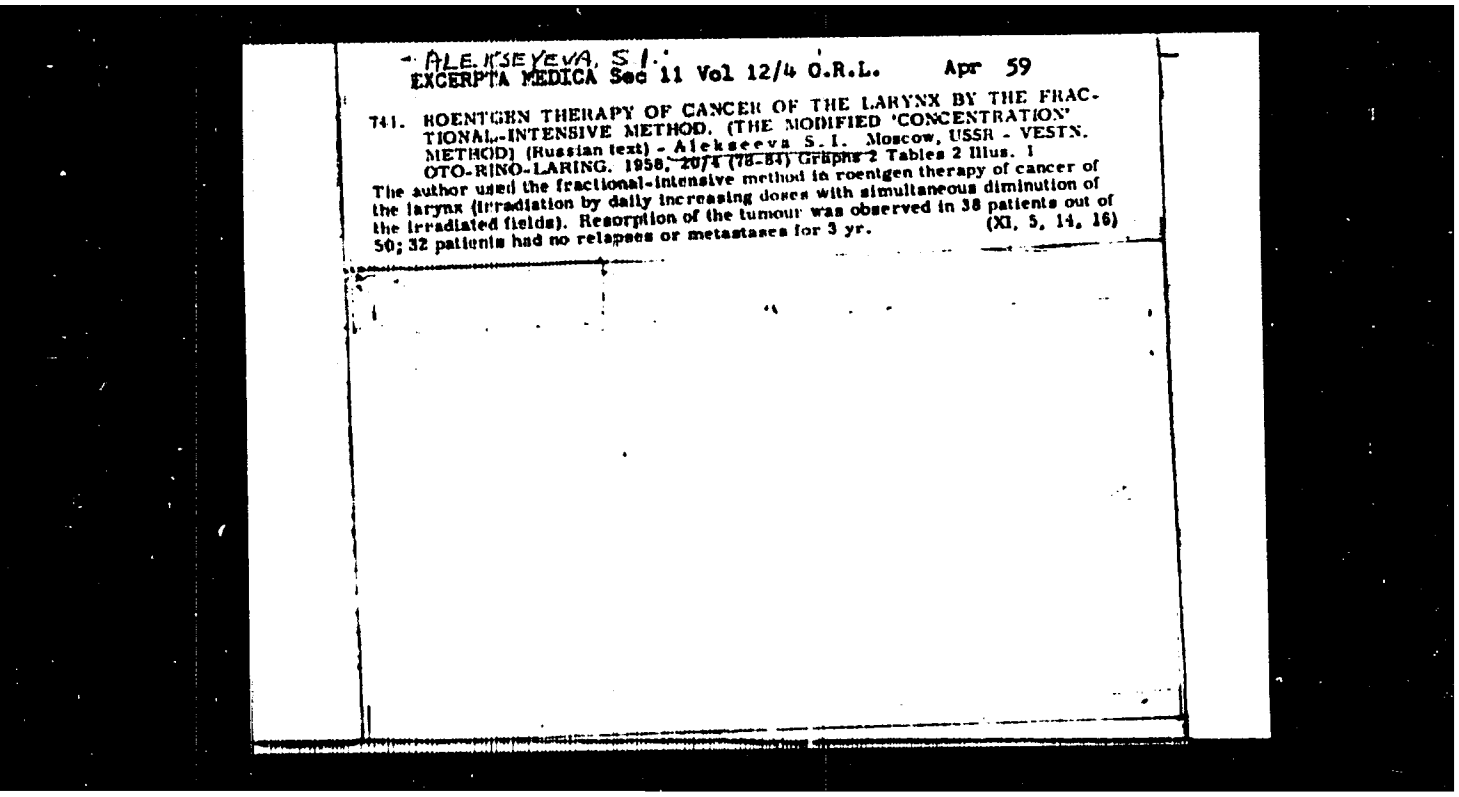
Teleradium therapy of laryngeal cancer. Vest. otorinolar., Moskva 15 no.3:32-38 May-June 1953. (CLML 25:1)

1. Of the State Scientific-Research Oncological Institute imeni P. A. Gertsen, Moscow.

TSARAPKIN, L.S.; PORYADKOVA, N.A.; LABZINA, N.G.; ALEKSEYEVA, S.I.; PYATENKO, V.S.

Study of the processes of cellular restoration from primary cytogenetic injuries. Vest. AMN SSSR 20 no.9:26-32 '65. (MIRA 18:11)

1. Institut meditsinskoy radiologii AMN SSSR, Obninsk.



ALEKSEYEVA, S.I.

EXCERPTA MEDICA Sec 11 Vol 12/4 O.R.L. Apr 59

741. ROENTGEN THERAPY OF CANCER OF THE LARYNX BY THE FRACTIONAL-INTENSIVE METHOD. (THE MODIFIED 'CONCENTRATION' METHOD) (Russian text) - Alekseeva S. I. Moscow, USSR - VESTN. OTO-RINO-LARING. 1958, 20/4 (78-84) Graphs 2 Tables 2 Illus. 1

The author used the fractional-intensive method in roentgen therapy of cancer of the larynx (irradiation by daily increasing doses with simultaneous diminution of the irradiated fields). Resorption of the tumour was observed in 38 patients out of 50; 32 patients had no relapses or metastases for 3 yr. (XI, 5, 14, 16)

ALEKSEYEVA, S. I., Cand Med Sci, "Radiotherapy of cancer of the larynx." Moscow, 1961. (State Sci Res Roentgeno-Radiological Inst of Min of Health RSFSR). (KL, 2-61, 216).

32750
S/205/61/001/006/010/022
D268/D305

27.1220 also 09

AUTHORS: Alekseyeva, S.I., Grayevskiy, Ye.Ya., Korogodin, V.I., Nekrasova, I.V., and Tambiyev, A.Kh.

TITLE: The effect of cell suspension density on radiosensitivity of yeasts

PERIODICAL: Radiobiologiya, v. 1, no. 6, 1961, 878 - 886

TEXT: The correlation between concentration of suspensions and radiosensitivity was studied in 5 yeast strains: the haploid Zygosaccharomyces bailii, diploid Saccharomyces vini Megri 139-B, and 3 strains of S. cerevisiae, haploid 127-12 d, diploid WY-110, and tetraploid 16 x 32. Strains were cultured on wort agar at 28 - 30°C and irradiated after 2 - 3 days development. Either aliquots obtained by scraping hard medium or by centrifuging dense solutions, or suspensions with a concentration of 10⁹ - 10⁴ cells/ml. were irradiated. A РУП-200 apparatus (RUP-200 industrial X-ray unit 200) with a dose rate of 5,400 r/min. was the X-ray source, and a ГТ-Со-400 apparatus (GUT-Co-400, therapeutic gamma unit Co 400) the

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The effect of cell suspension ...

gamma-ray source. Strains were also irradiated in 5 - 10 % egg protein solution. Cell viability was determined by counting macro- and micro-colonies, incubated on wort agar at 30°C, according to methods previously described by Korogodin (Ref. 8-9: Biofizika, 2, 178, 1957; 3, 206, 1958). Oxygen content in aqueous suspensions at different concentrations was determined polarographically by a method described by Konstantinova and Grayevskiy (Ref. 10: Dokl. AN SSSR, 132, 1427, 1960). Aqueous suspensions of the 3 S. cerevisiae strains exposed to X-rays showed a fall in dose effectiveness as the cell suspension concentration increased. The oxygen content was determined polarographically in suspensions at different concentrations. Results showed a clear fall in oxygen tension as the suspension concentration increased. Respiration intensity was determined in Z. Bailii and Megri 139-B and showed that the Q_{O_2} for the former was 840 ± 156, and for the latter 3,100 ± 320 µl./hour for 10^{10} cells. It was much lower in haploid than in diploid cells. Accordingly the concentration effect would be weaker in Z. bailii than in Megri 139-B. If the effect were due to oxygen deficiency, suspension concentration would affect radiosensitivity rather less

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The effect of cell suspension ...

with irradiation in oxygen-free conditions than in aerated water, especially in a strain with low respiration intensity. This would be in line with the views of Gunter and Kohn (Ref. 3: J.Bacteriol., 72, 422, 1956). 10^6 cells/ml. suspensions and aliquots from both strains were exposed to gamma-irradiation in the atmosphere and in a vacuum, and viability determined according to micro-colonies. Results completely confirmed the proposition. The dose effectiveness reduction coefficient for the haploid strain irradiated in air was 0.81, and for the diploid 0.47. In conditions of anoxia, no concentration effect was observed for the former, while in the latter the dose effectiveness reduction coefficient was 0.81. Oxygen content in suspensions in a vacuum was 3 - 5 % compared with that in dilute suspensions in the air. Irradiation of 10^6 cells/ml. suspensions of haploids and diploids in 5 and 10 % egg protein solutions with gamma-rays showed no protective reactions by the proteins. According to Gunter and Kohn yeast cells are also only very mildly sensitive to H_2O_2. Tests were made with 4 strains. Results showed that though they differed in their sensitivity, haploids being most sensitive, H_2O_2 only affected viability noticeably at concentrations

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The effect of cell suspension ...

of 13.4 and 28.8 ug./ml. Experiments were also made to determine the effect of suspension concentration at the time of irradiation on post-radiation recovery with Megri 139-B, whose post-radiation recovery has been already described by Korogodin (Ref. 7: Biofizika, 3, 703, 1958). Exposure was to gamma-irradiation. Part of the suspension was sown on nutrient medium immediately after irradiation and part at 24 - 48 hours. Viability was determined by macrocolonies. In both cases change in dose effectiveness was largely dependent on suspension concentration at irradiation. The extent of post-radiation recovery of yeast cells was virtually independent of their concentration at irradiation, the dose effectiveness reduction coefficient fluctuating within 0.41 ± 0.03. It is concluded that at concentration effect was produced when yeast cells were irradiated with X- and gamma-rays in normal air and in one case with oxygen deficiency. Radiosensitivity was independent of suspension density up to a concentration of 10^6 cells/ml., but increased proportionally to the concentration logarithm with a further increase in density. The concentration effect was more pronounced in the strain with greater respiration intensity. The very poor sensitivity of yeast cells to H_2O_2 was demonstrated, as well as the reduct-

The effect of cell suspension ...

ion in oxygen tension with increase in suspension concentration. There are 5 figures, 3 tables and 14 references: 8 Soviet-bloc and 6 non-Soviet-bloc. The 4 most recent references to the English-language publications read as follows: S. Gunter and H. Kohn, J. Bacteriol., 72, 422, 1956; T. Alper, Radiation Res., 5, 573, 1956; T. Alper and N.E. Gillies, Radiation Res., 9, 86, 1958; N.E. Gillies and T. Alper, Nature, 183, 237, 1959.

ASSOCIATION: Biologo-pochvennyy fakul'tet MGU, Institut morfologii zhivotnykh im. A.N. Severtsova AN SSSR, Moskva (Biological-Soils Faculty, Moscow State University, Institute for Animal Morphology im. A.N. Severtsov, AS USSR, Moscow)

SUBMITTED: July 26, 1961

LARICHSHCHENKO, T.G.; ALEKSEYEVA, S.I.

Reactions and complications under varying methods of radiotherapy for laryngeal cancer. Med.rad. 7 no.6:55-58 Je '62. (MIRA 15:8)

1. Iz Gosudarstvennogo nauchno-issledovatel'skogo onkologicheskogo instituta imeni P.A. Gertsena.
(LARYNX—CANCER) (RADIOTHERAPY)

ALEKSEYEVA, E.I.

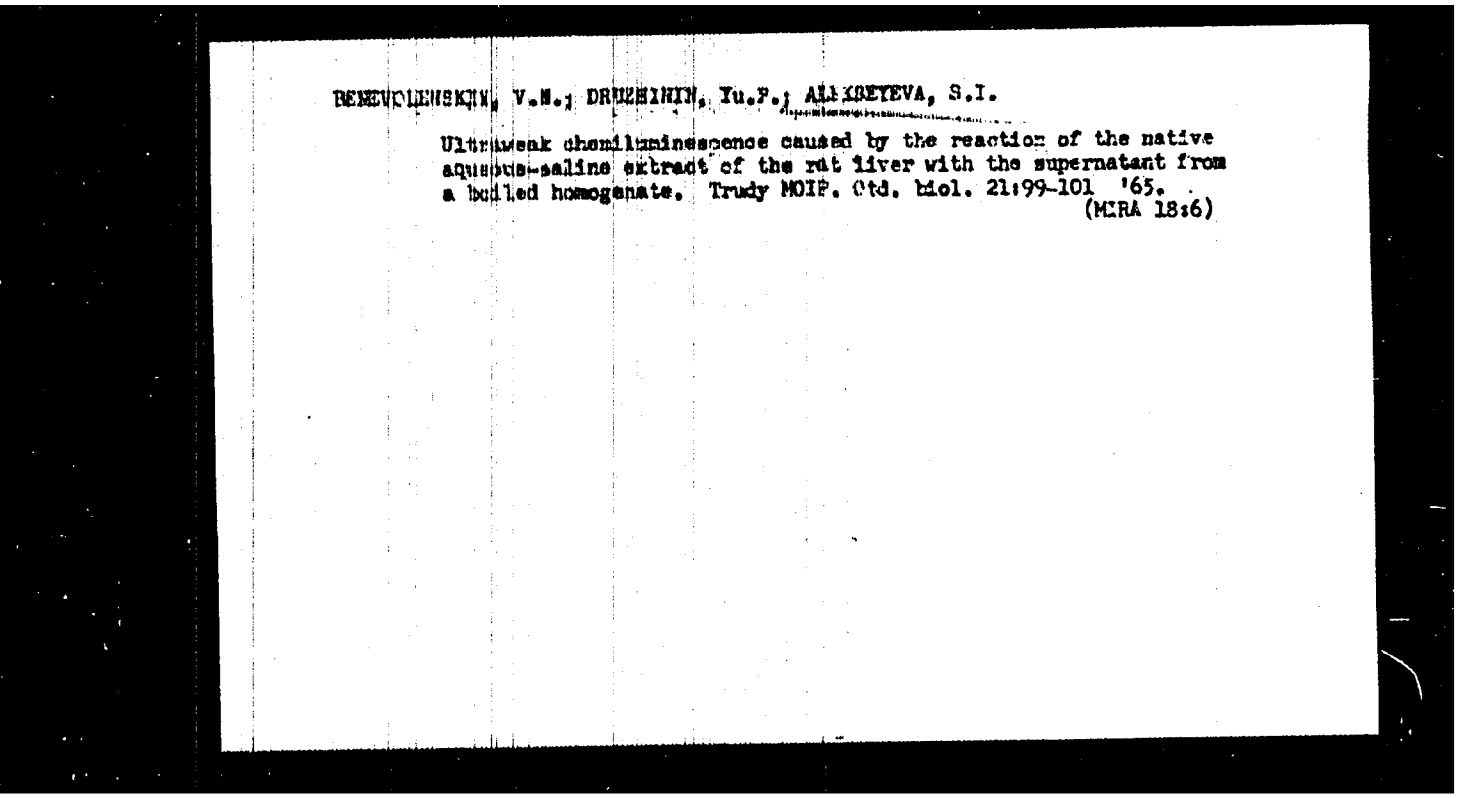
Selection of the method of radiotherapy in cancer of the larynx.
Trudy TSIU 62:3-13 '63. (MIRA 18:3)

1. Kafedra onkologii (zav. deystvitel'nyy chlen AMN SSSR zasluzhennyy deyatel' nauki prof. A.I.Savitskiy) TSentral'nogo instituta usovershenstvovaniya vrachey.

SEMENKIN, M.I.; ALEKSEYEVA, S.I.

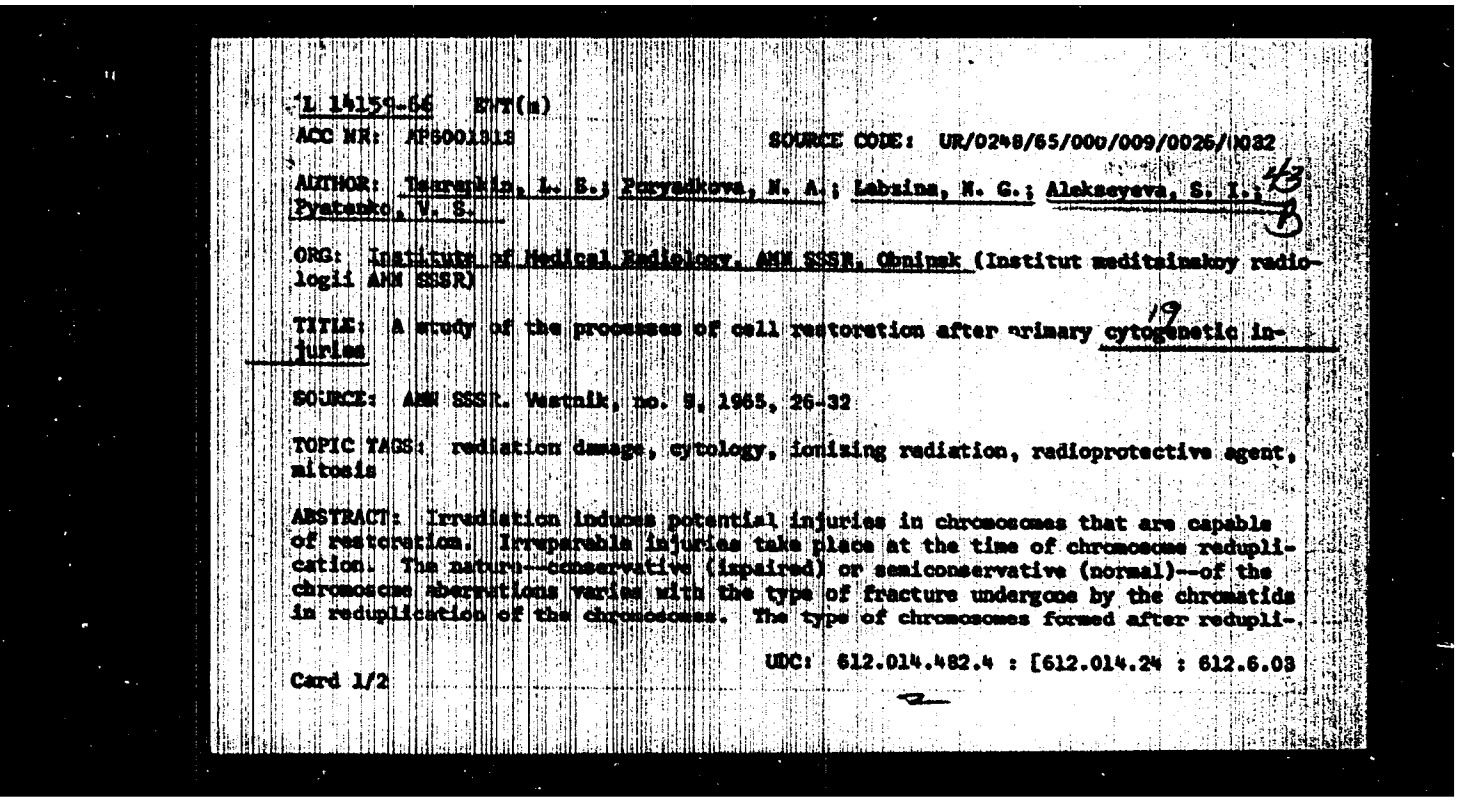
Efficiency of using cold welding in electric machinery manufacture.
Avtom. svar. 17 no.5:83-84 My '64. (MIRA 17:11)

1. Kharkovskiy nauchno-issledovatel'skiy institut tyazhelogo elektromashinostroyeniya.



VENEVTSEVSKIY, V.N.; DRUZHININ, Yu.P.; ALEKSEYEVA, S.I.

Ultraweak chemiluminescence caused by the reaction of the native aqueous-saline extract of the rat liver with the supernatant from a boiled homogenate. Trudy MOIP. Otd. biol. 21:99-101 '65.
(MIRA 18:6)



L 14159-66 EWT(m)

ACC NR: AP6001913 SOURCE CODE: UR/0248/65/000/009/0026/0032

AUTHOR: Tsarapkin, L. S.; Peryedkova, N. A.; Labzina, N. G.; Alekseyeva, S. I.; Pyatenko, V. S. 43 B

ORG: Institute of Medical Radiology, AMN SSSR, Obninsk (Institut meditsinskoy radiologii AMN SSSR)

TITLE: A study of the processes of cell restoration after primary cytogenetic injuries 19

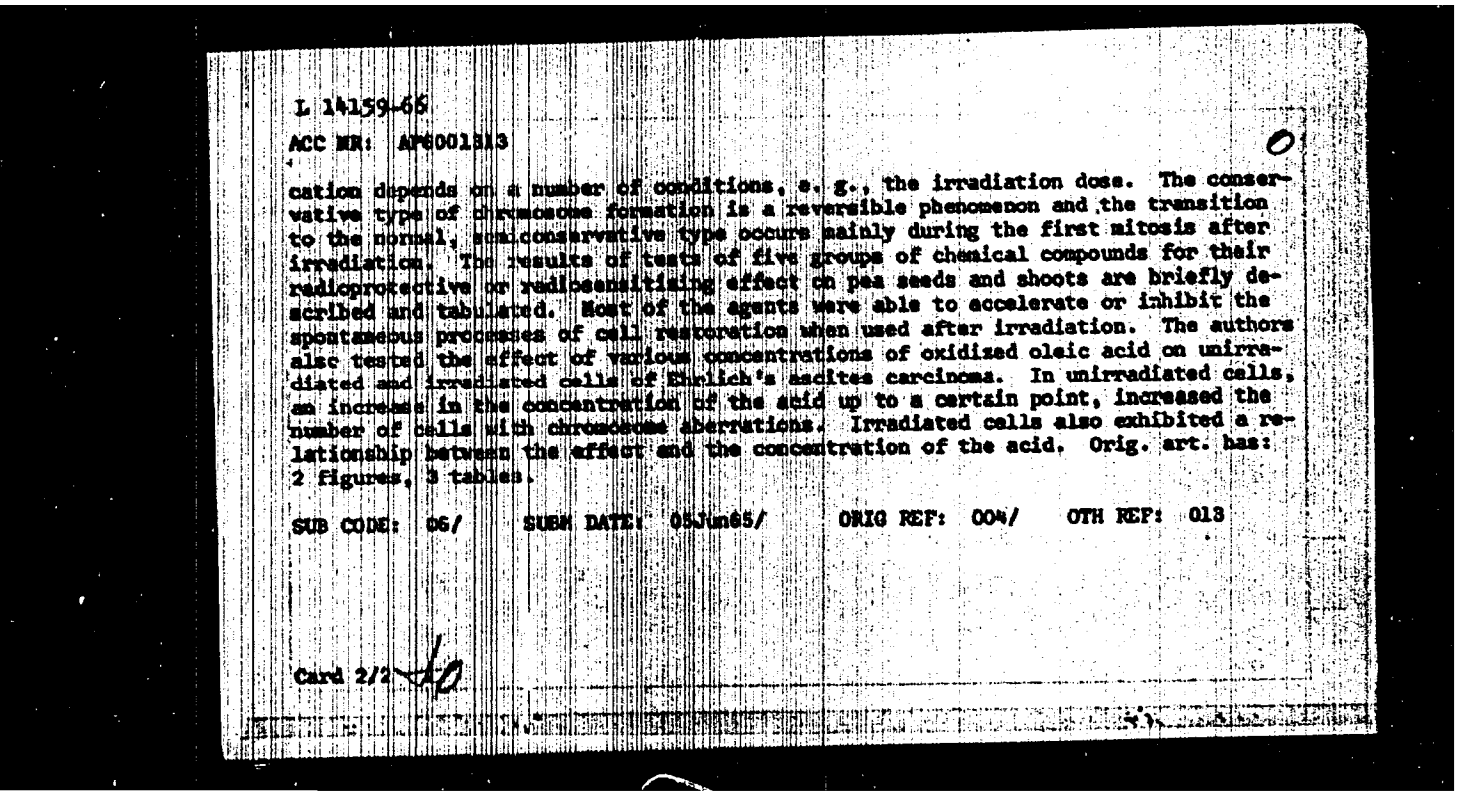
SOURCE: AMN SSSR. Vestnik, no. 9, 1965, 26-32

TOPIC TAGS: radiation damage, cytology, ionizing radiation, radioprotective agent, mitosis

ABSTRACT: Irradiation induces potential injuries in chromosomes that are capable of restoration. Irreparable injuries take place at the time of chromosome reduplication. The nature--conservative (impaired) or semiconservative (normal)--of the chromosome aberrations varies with the type of fracture undergone by the chromatids in reduplication of the chromosomes. The type of chromosomes formed after reduplication

UDC: 612.014.482.4 : [612.014.24 : 612.6.08

Card 1/2



L 14159-65
ACC NR: AP6001313

cation depends on a number of conditions, e. g., the irradiation dose. The conservative type of chromosome formation is a reversible phenomenon and the transition to the normal, semiconservative type occurs mainly during the first mitosis after irradiation. The results of tests of five groups of chemical compounds for their radioprotective or radiosensitizing effect on pea seeds and shoots are briefly described and tabulated. Most of the agents were able to accelerate or inhibit the spontaneous processes of cell restoration when used after irradiation. The authors also tested the effect of various concentrations of oxidized oleic acid on unirradiated and irradiated cells of Ehrlich's ascites carcinoma. In unirradiated cells, an increase in the concentration of the acid up to a certain point, increased the number of cells with chromosome aberrations. Irradiated cells also exhibited a relationship between the effect and the concentration of the acid. Orig. art. has: 2 figures, 3 tables.

SUB CODE: 06/ SUBM DATE: 05Jun65/ ORIG REF: 004/ OTH REF: 013

Card 2/2

20(5) PHASE I BOOK EXPLOITATION SOV/2871

Alekseyeva, S. M., A. I. Rivkin, and M. S. Mitruk

Modernizatsiya bestsentrovykh krugloshlifoval'nykh stankov (Modernization of Cylindrical Centerless Grinding Machines) Moscow, Mashgiz, 1957. 71 p. 6,700 copies printed.

Sponsoring Agency: Moscow. Eksperimental'nyy nauchno-issledovatel'skiy institut metallorezhushchikh stankov.

Ed. of Publishing House: Ye.A. Shemshurina; Tech. Ed.: V.D. El'kind; Managing Ed. for Literature on Metal Working and Tool Making: R.D. Beyzel'man, Engineer.

PURPOSE: This book is recommended for technical and engineering personnel in machine manufacturing plants and maintenance and repair shops.

COVERAGE: The book reviews problems associated with the modernization of general purpose centerless cylindrical grinders in order

Card 1/3

to increase their productivity and precision. Special attention is given to the mechanization and automation of auxiliary operations. It also describes a representative plan of modernization for Model 3180 grinder developed at the Vitebsk Machine Tool Plant imeni Kirov and a consolidated list of recommendations on the mechanization of machine tools. No personalities are mentioned. There are 5 Soviet references.

TABLE OF CONTENTS:

AVAILABLE: Library of Congress (TJ 1280 .M578)

CG/jb
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Card 3/3

ALEKSHYEVA, S.M.

The EA182T semiautomatic centerless circular grinding machine used for grinding torsion bars. Biul.tekh.-ekon.inform. no.11:32-34 '58. (MIRA 11:12)

(Grinding machines)

1. AL[illegible]BEIEVA, S. P.

2. USSR 600

4. Perch - Azov Sea

7. Material on the propagation of perch (Porcarina demidoffi maeotica Kuzn.) in the Azov Sea, Trudy Gidrobiol. ob-va, 4, 1952.

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

ALEKSEYEVA, S.P.

Materials on the study of the reproduction cycle of the Volga Delta carp. Vop. ikht. no.9:55-67 '57. (MIRA 11:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut morskogo rybnogo khozyaystva i okeanografii - VNIRO.
(Volga Delta--Carp)

REZVYAKOV, A.V., kand.tekhn.nauk; ALEKSEYEVA, T.A., mladshiy nauchnyy sotrudnik

Introduction of continuous production lines in wool weaving. Tekst.prom. 21 no.2:11-14 Ja '61. (MIRA 14:3)

1. TSentral'nyy nauchno-issledovatel'skiy institut sherstyanoy promyshlennosti(for Alekseyeva).
(Woolen and worsted manufacture) (Assembly-line methods)

REZVIAKOV, A.V., nauchnyy sotrudnik, kand.tekhn.nauk; KUZMICHEV, F.I., nauchnyy sotrudnik, kand.tekhn.nauk; ALEKSEYEVA, T.A., mladshiy nauchnyy sotrudnik

Continuous production line for the production of woolen slubbing for felt manufacture. Tekst.prom. 22 no.12:66-69 D '62. (MIRA 16:1)

1. TSentral'nyy nauchno-issledovatel'skiy institut sherstyanoy promyshlennosti (TsNIISherstI).
(Wool carding) (Felt)

ALEKSEYEVA , T.A. Cand Biol Sci -- (diss) "Studies of the photosynthesis and respiration of certain species of wood in the Tellerman experimental forest." Mos,1957. 16 pp. (Inst of Forestry, Acad Sci USSR). 110 copies.

(KL, 8-58, 104)

DADYKIN, V.P.; REDKOZUB, V.P.; [illegible]

Energy economy of plants growing on cold soils. Mat. k osn. uch. o merz. zon. sem. kory no.5:100-120 '60. (MIRA 13:10)
(Leaves--Optical properties) (Soil temperature)

SHALAYEV, Viktor Vasil'yevich; KALININ, Aleksandr Ivanovich; KOLBIN, Anatoliy Ivanovich; MEREKIN, Boris Vasil'yevich; FEYGIN, Gershel' Davidovich; VINOKUROV, Izrail Yakovlevich; SKAKUN, Vladimir Vasil'yevich; KAPUSTIN, Arkadiy Ivanovich; MOGILEVSKIY, David Markovich; ALEKSEYEVA, Tat'yana Alekseyevna; BAHAYLOV, Finopent Ivanovich; SKRYABIN, N.P., red.; KRYZHOVA, M.I., red.izd-va; KOROL', V.P., tekhn. red.

[Improving procedures and equipment in shape rolling mills] Sovershenstvovanie tekhnologii i oborudovaniia v sortoprokatnom tsekhe. Sverdlovsk, Metallurgizdat, 1963. 163 p. (MIRA 16:1)

(Rolling (Metalwork))--Equipment and supplies)

TURKHANINOV, A.A., inzh.; Prinimali uchastiye: TORCHIN, Ya.G., starshiy nauchnyy sotrudnik; USTYUKHIN, I.I., starshiy nauchnyy sotrudnik; ALEKSEYEVA, T.A., mladshiy nauchnyy sotrudnik; KRASNOIYEVTSEVA, N.V., mladshiy nauchnyy sotrudnik; GORDON, V.N., starshiy tekhnik-laborant; SAVINA, L.A., starshiy tekhnik-laborant; SOROKINA, A.I., starshiy tekhnik-laborant

Determining the labor input for the manufacture of the basic types of production in the woolen and worsted industry. Nauch.-issl. trudy TSNIISherstI no.18:185-248 '63.

(MIRA 18:1)

ALEKSEYEVA, T.A. (Moskva); LOZINSKIY, M.G. (Moskva)

Characteristics of the kinetics of plastic deformation in commercial-grade iron at temperatures from 20 to 1000°. Izv. AN SSSR. Otd. tekh. nauk. Met. i gor. delo no.2:116-123 Mr-Ap '63.
(MIRA 16:10)

SEREBRYAKOV, A.M., kand.tekhn.nauk; KOL'TSOVA, V.A., inzh.; Prinimali uchastiye: SIMAGINA, O.S., inzh.; ONENKOVA, Ye.Ya., inzh.; ZEMSKAYA, L.I., inzh.; ALEKSEYEVA, T.A., inzh.

Continuous method for dyeing all-wool and semi-wool dress fabrics. Nauch.-issl.trudy TSNIISherstI no.18:102-115 '63. (MIRA 18:1)

BEZUGLYY, V.D.; ALEKSEYEVA, T.A.

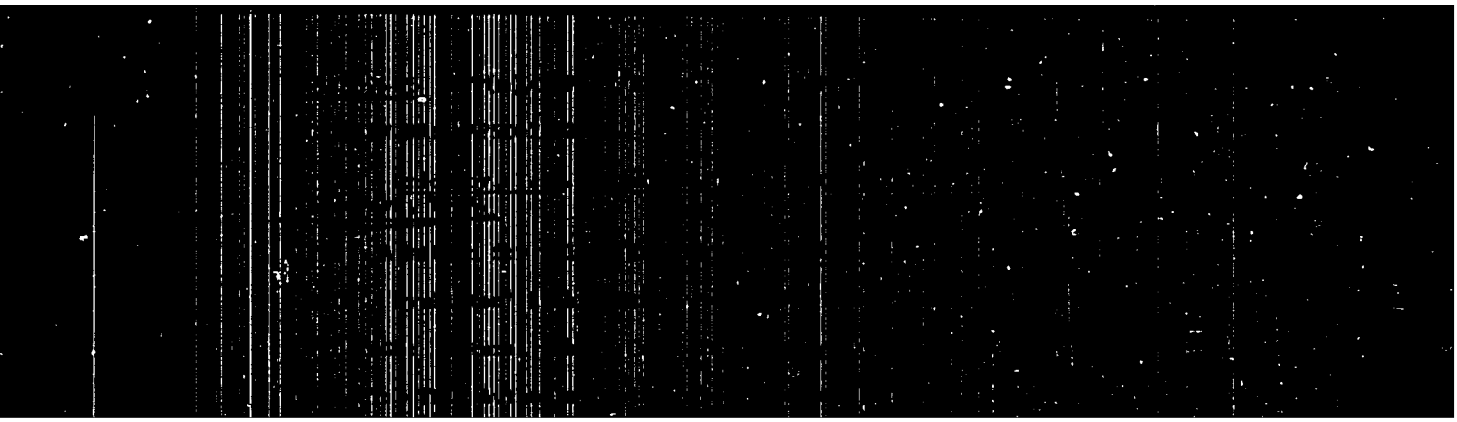
Polarographic method of studying copolymerization of methyl acrylate with 2-methyl-5-vinylpiperidine. Ukr. khim. zhur. 31 no.4:392-397 '65. (MIRA 18:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut monokristallov.

BEZUGLYY, V.D.; DMITRIYEVA, V.N.; ALEKSEYEVA, T.A.; BELOUS, G.G.

Polarographic determination of 2-methyl-5-vinylpyridine. Zhur. anal. khim. 16 no. 4:477-482 Jl-Ag '61. (MIRA 14:7)

1. All-Union Scientific-Research Institute of Monocrystals and Highly Pure Materials, Khar'kov.
(Pyridine) (Polarography)



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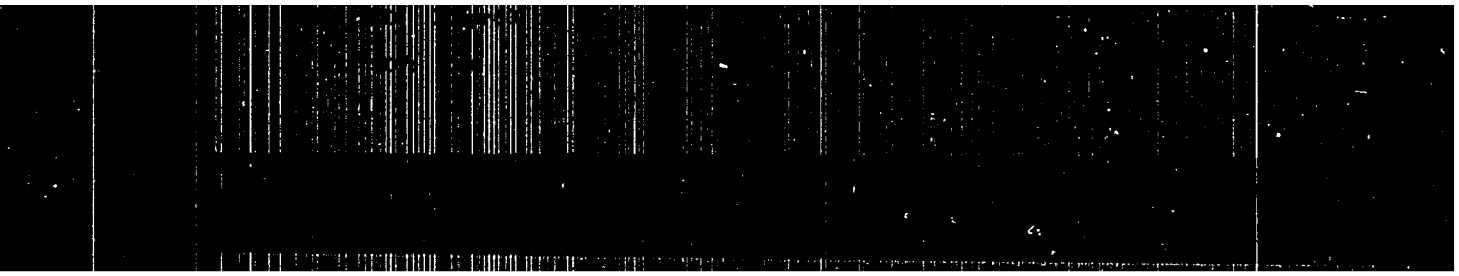

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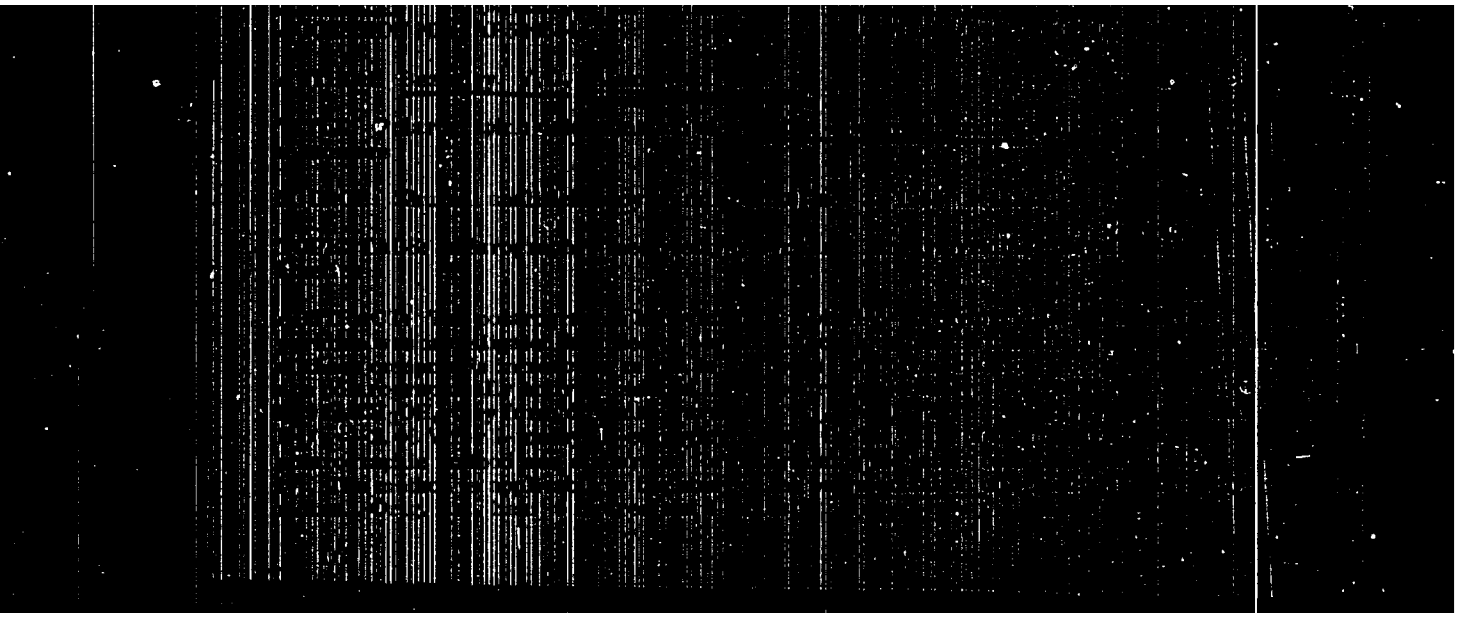

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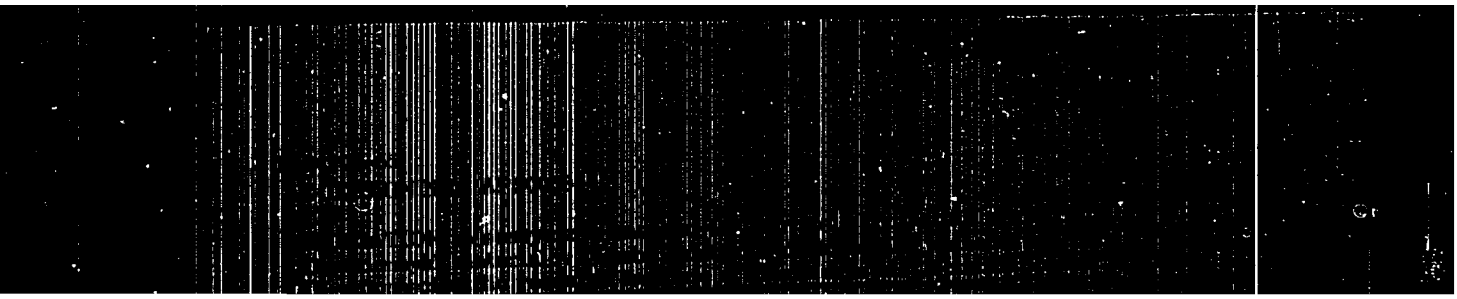

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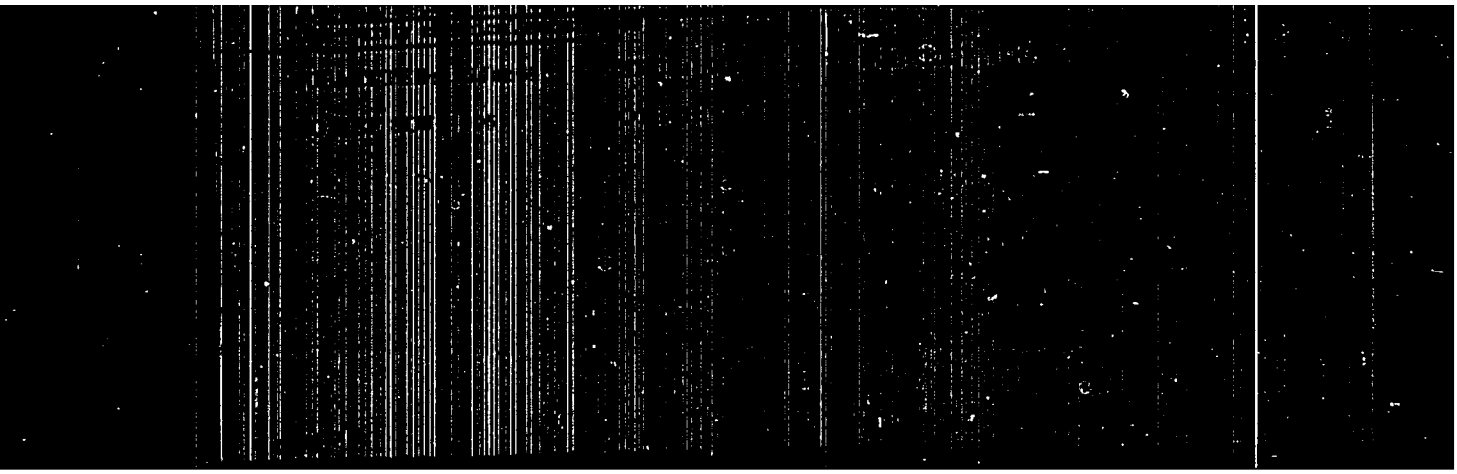

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ALEKSEYEVA, T.A.; BEZUGLYY, V.D.; DMITRIYEVA, V.N.; ZUBKOVA, V.S.

Polymerization kinetics of 2-methyl-5vinylpyridine studied by the polarographic method. Vysokom.soed. 5 no.9:1382-1387 S '63. (MIRA 17:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut monokristallov, stsintillyatsionnykh materialov i osobo chistykh khimicheskikh veshchestv.

ALEKSEYEVA, T.A.; USIKOVA, L.G.; SEZUGLYY, V.D.

Polarographic determination of 2,4- 2,5-dimethylstyrene in polymers as pseudonitrosites. Zhur.anal.khim. 18 no.4:520-524 Ap '63. (MIRA 16:6)

1. All-Union Scientific-Research Institute of Monocrystals, Scintillating Materials and Highly Pure Chemical Substances, Kharkov.

(Styrene) (Polymers) (Polarography)

ALEKSEYEVA, T.A.; KRUGLYAK, L.P.; BEZUGLYY, V.D.

Polarographic determination of styrene in polystyrene in the form of pseudonitrosite. Zav. lab. 29 no.6:657-659 '63.
(MIRA 16:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut monokristallov.
(Styrene) (Polarography)

IVANOVA, I. S.; BOGDANOVA, G. F.; ALEKSEYEVA, T. A.; NOVIKOV, S. S.

Synthesis of dinitrodiazodicarboxylic acids. Izv. AN SSSR Otd. khim. nauk no.12:2236-2238 D '62. (MIRA 16:1)

1. Institut organicheskoy khimii im. N. D. Zelinskogo AN SSSR.

(Acids, Organic) (Diazo compounds)

BEZUGLYY, V.D.; ALEKSEYEVA, T.A.

Polarographic determination of monomers of 4-vinylbiphenyl and its derivatives in polymers and copolymers with styrene. Zhur. anal. khim. 18 no.2:261-266 F '63. (MIRA 17:10)

1. All-Union Scientific-Research Institute of Monocrystals, Scintillating Materials and Highly Pure Substances, Kharkov.

REZVYAKOV, A.V., kand.tekhn.nauk; KUZ'MICHEV, F.I., kand.tekhn.nauk;
ALEKSEYEVA, T.A., mladshiy nauchnyy sotrudnik

Continuous production line in the preparation and carding section of a jute factory. Nauch.-issl.trudy TSNIISherstI no.18:249-255 '63. (MIRA 18:1)

BEZUGLYY, V.D.; ALEKSEYEVA, T.A.; DMITRIYEVSKAYA, L.I.; CHERNOBAY, A.V.; KRUGLYAK, L.P.

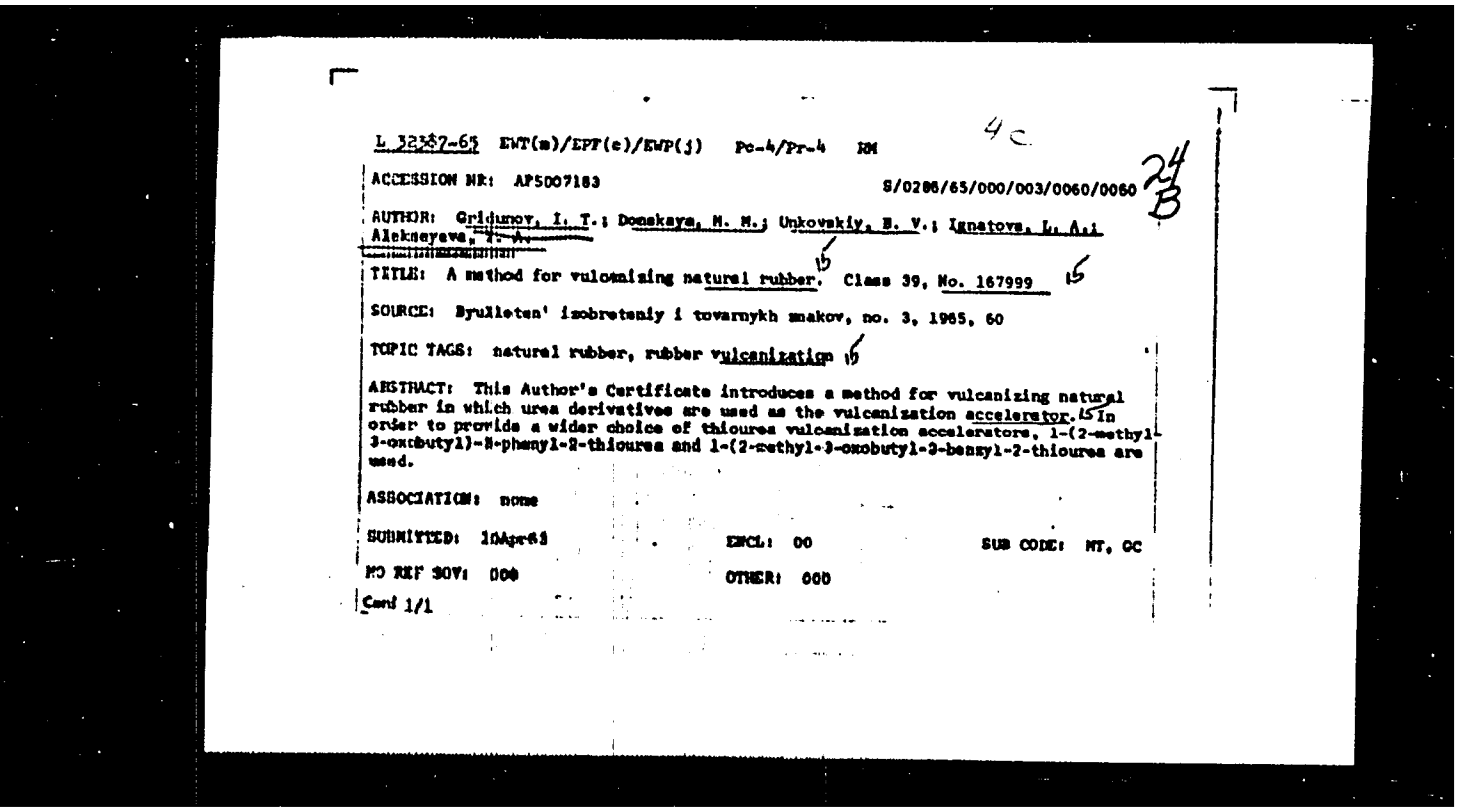
Application of the polarographic method for studying the kinetics of polymerization of 4-vinylbiphenyl and its derivatives and their copolymerization with styrene. Vysokom. soed. 6 no.1:125-130 Ja'64. (MIRA 17:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut monokristallov.

BEZUGLYY, V.D.; ALEKSEYEVA, T.A.; KRUGLYAK, L.P.

Polarography of N-substituted acrylamides and methacrylamides. Ukr.khim.zhur. 31 no.5:500-506 '65. (MIRA 18:12)

1. Khar'kovskiy Vsesoyuznyy nauchno-issledovatel'skiy institut monokristallov. Submitted July 26, 1963.



L 32387-65 EWT(m)/EPF(c)/EWP(j) Pc-4/Pr-4 RM

ACCESSION NR: AP5007183 S/0286/65/000/003/0060/0060

AUTHOR: Gridunov, I. T.; Donskaya, M. M.; Unkovskiy, B. V.; Ignatova, L. A.; Alekseyeva, T. A.

TITLE: A method for vulcanizing natural rubber. Class 39, No. 167999

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 3, 1965, 60

TOPIC TAGS: natural rubber, rubber vulcanization

ABSTRACT: This Author's Certificate introduces a method for vulcanizing natural rubber in which urea derivatives are used as the vulcanization accelerator. In order to provide a wider choice of thiourea vulcanization accelerators, 1-(2-methyl-3-oxobutyl)-3-phenyl-2-thiourea and 1-(2-methyl-3-oxobutyl-3-benzyl-2-thiourea are used.

ASSOCIATION: none

SUBMITTED: 10Apr63 ENCL: 00 SUB CODE: MT, OC

NO REF SOV: 000 OTHER: 000

Card 1/1

26346
S/076/61/035/007/017/019
B132/B220

11.5100

AUTHORS: Ponomarev, V. V., and Alekseyeva, T. A.

TITLE: Massive microcalorimeter for determining heats of combustion

PERIODICAL: Zhurnal fizicheskoy khimii, v. 35, no. 7, 1961, 1629-1633

TEXT: A new calorimeter has been developed to achieve a very low heat value and an exact measurement of combustion heats of small quantities of substance (10-20 mg). All-metal construction without calorimetric liquid, and the provision of vibration facilities for the bomb calorimeter after combustion of the substance were further aims. A construction diagram of the bomb calorimeter is shown in Fig. 1. The calorimeter consists of a copper ball 4 in a hermetically sealed copper casing 3. The calorimeter swings through an angle of 180° round a horizontal axis. A heating element serves for heating the calorimeter and determining its heat value by electric current. In the lower part of the calorimeter, electrode contacts are provided on two jacks for igniting the substance in the bomb. The casing consists of a cylindrical vessel filled with water, and a mixer.

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Massive microcalorimeter for ...

The temperature of the calorimeter system is measured with a platinum resistance thermometer forming one of the four arms of a Wheatstone bridge (Fig. 3). The remaining three arms are made of Manganin wire. The equilibrium of the bridge arms was determined from the zero indication of an M25/3 (M-25/3) reflecting galvanometer. The correction for the heat exchange was calculated from the equation $\Delta v = r_o n + r_n(30-n)$, where Δv is the correction for the heat exchange, r_o the initial period, r_n the final period, and n the number of readings in the main period during which the temperature increased by 60%. The heat value of the calorimeter was determined with benzoic acid and calculated from the equation $W = (Aa+Bb+Cc)/[(r_n-r_o)+\Delta v]$, where W is the heat value of the calorimeter system in cal/ohm, A the isothermal combustion heat of 1 g of benzoic acid, a the quantity of benzoic acid burned, B the combustion heat of a cotton thread (4115 cal/g), c the number of HNO_3 moles formed in combustion, and C the molar formation heat of HNO_3 and the heat formed due to its dissolution in the water of the bomb (14.1 kcal/mole). The accuracy of the

Card 2/4

Massive microcalorimeter for ...

calorimeter was checked with glucose, and, calculated from the equation Q=(W·t-Bb)/a. Q is the isothermal combustion heat of 1 g of glucose, a the weighed-in portion of glucose, W the heat value of the calorimeter, Δt the temperature rise in ohms corrected for the heat exchange, and Bb the heat released in the combustion of the cotton thread. The accuracy found is ±0.06%. The calorimeter was manufactured at the workshops of the khimicheskiy fakultet MGU (Division of Chemistry of Moscow State University). Professor S. M. Skuratov is thanked for his assistance. There are 4 figures, 2 tables, and 1 non-Soviet-bloc reference.

Fig. 1. Construction diagram of a bomb calorimeter. Legend: (1) Inside space; (2) platinum dish containing the substance; (3) oxygen inlet; (4) stopper; (5) oxygen outlet with stopper; (6) fixing bolts for bomb; (7) electrodes.

Card 3/4

PONOMAREV, V.V.; ALEKSEYEVA, T.A.; AKIMOVA, L.N.

Heats of combustion of some peptides. Zhur. fiz. khim. 36 no.4:872-873 Ap '62. (MIRA 15:6)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.
(Heat of combustion) (Peptides)

PONOMAREV, V.V.; ALEKSEYEVA, T.A.; AKIMOVA, L.N.

Heats of combustion of some anhydrides. Zhur.fiz.khim. 36 no.5:1083-1085 My '62. (MIRA 15:8)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.
(Anhydrides) (Heat of combustion)

FONOMAREV, V.V.; SOSNOV, N.I.; ALEKSEYEVA, T.A.; DROZDOVA, Z.B.

Combustion heat of gluten proteins with reference to the formation of gluten. Dokl. AN SSSR 142 no.4:948-949 F '62. (MIRA 15:2)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova. Predstavleno akademikom A.I.Oparinym.
(Gluten)
(Heat of combustion)

POKHAREV, V.V.; ALEKSEYEVA, T.A.; SOSEDOV, N.I.; DROZDOVA, Z.B.

Determination of the heat of combustion of wheat grain proteins during their thermal denaturation. Dokl. AN SSSR 146 no.1:213-214 S '62. (MIRA 15:9)

1. Moskovskiy gosudarstvennoy universitet im. M.V. Lomonosova. Predstavleno akademikom A.I. Oparinym.
(Wheat) (Proteins) (Heat of combustion)

S/076/63/037/001/026/029
B101/B186

AUTHORS: Ponomarev, V. V., Alekseyeva, T. A., Akimova, L. N.

TITLE: Heats of combustion of valyl phenyl alanine, phenyl alanyl anhydride, and glycyl valyl anhydride

PERIODICAL: Zhurnal fizicheskoy khimii, v. 37, no. 1, 1963, 227 - 228

TEXT: The heats of combustion were determined by a microcalorimeter for valyl phenyl alanine, phenyl alanyl anhydride, and glycyl valyl anhydride that had been chromatographically tested for purity. Results: valyl phenyl alanine, m.p. 236 - 237°C, $\Delta H = -1816.84 \pm 0.36$; phenyl alanyl anhydride, m.p. 290 - 291°C, $\Delta H = -2239.01 \pm 0.22$; glycyl valyl anhydride, m.p. 250 - 251°C, $\Delta H = -948.05 \pm 0.16$ kcal/mole. There is 1 table.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova (Moscow State University imeni M. V. Lomonosov)

SUBMITTED: August 30, 1962

Card 1/1

PONOMAREV, V.V.; SOSEDOV, N.I.; ALEKSEYEVA, T.A.; DROZDOVA, Z.B.

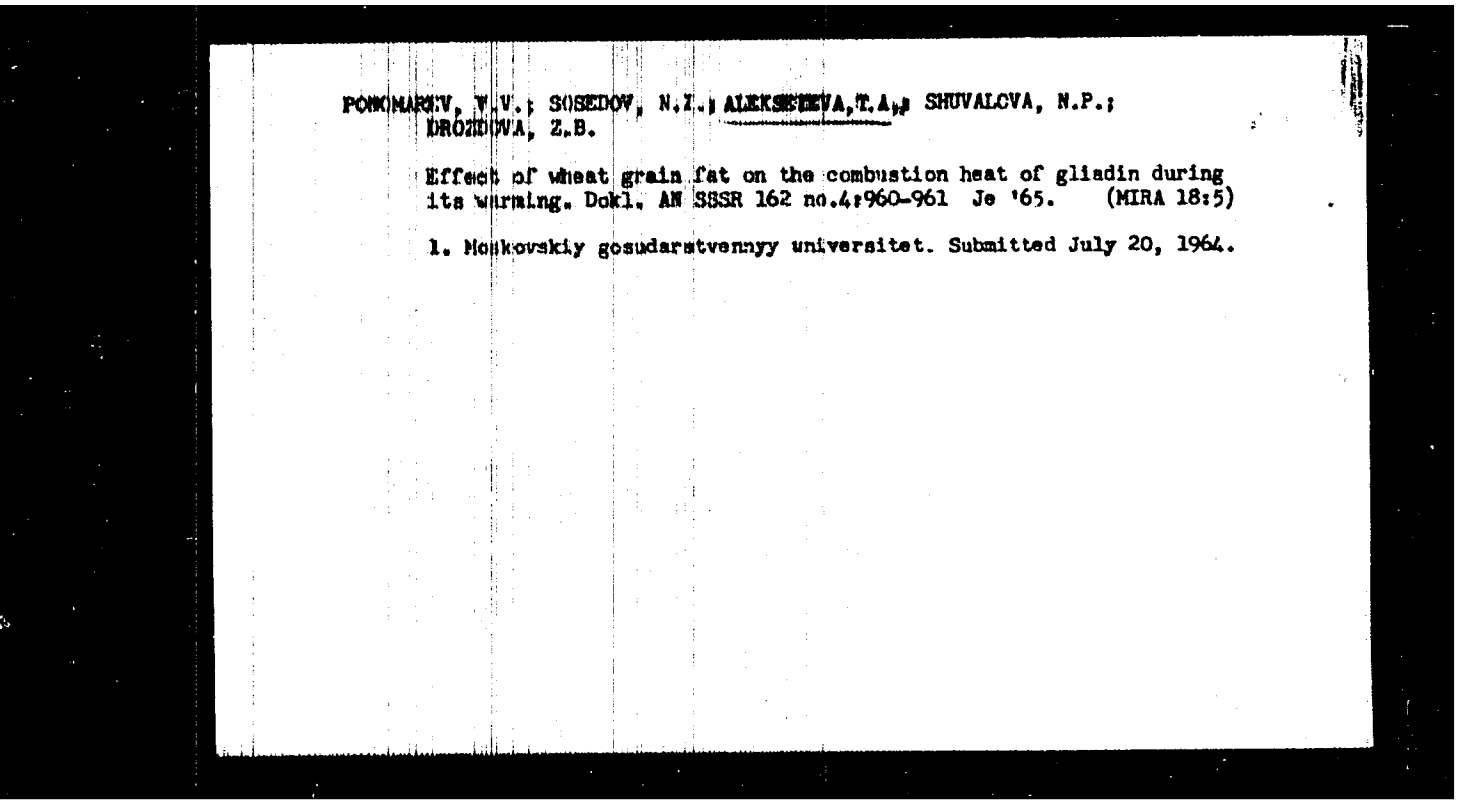
Heats of combustion of wheat gliadin during its thermal denaturation. Dokl. AN SSSR 152 no.1:151-152 S '63. (MIRA 16:9)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova. Predstavleno akademikom A.I.Oparinym.
(Gliadins) (Heat of combustion)

YURENEV, P.N.; ALEKSEYEVA, T.A.; POLOTSKAYA, Ye.L.

Allergic reactivity in myocardial infarct. Kardiologiia no.1:9-14 '64. (MIRA 17:10)

1. Gospital'naya terapevticheskaya klinika pediatricheskogo fakul'teta (zav. kafedroy - prof. P.N. Yurenev) II Moskovskogo meditsinskogo instituta imeni Pirogova i allergologicheskaya laboratoriya (zav.- chlen-korrespondent AMN SSSR prof. A.D. Ado) AMN SSSR.



PONOMAREV, V.V.; SOSEDOV, N.I.; ALEKSEYEVA, T.A.; SHUVALOVA, N.P.; DROZDOVA, Z.B.

Effect of wheat grain fat on the combustion heat of gliadin during its warming. Dokl. AN SSSR 162 no.4:960-961 Je '65. (MIRA 18:5)

1. Moskovskiy gosudarstvennyy universitet. Submitted July 20, 1964.

ALEKSHYEVA, T.A.; PONOMAREV, V.V.

Thermodynamics of the formation of the peptide bond. Zhur. fiz. khim. 38 no.5:1337-1340 My '64. (MIRA 18:12)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova. Submitted July 2, 1963.

L 37208-66 EWT(m)/EWP(j) JW/RM

ACC NR: AP6014413 SOURCE CODE: UR/0062/66/000/004/0753/0755

AUTHOR: Novikov, S. S.; Ivanova, I. S.; Bogdanova, G. F.; Alekseyeva, T. A.; Konnova, Yu. V.

ORG: Institute of Organic Chemistry im. N. S. Zelinskiy Academy of Sciences SSSR (Institut organicheskoy khimii, Akademii nauk SSSR)

TITLE: Synthesis and certain chemical conversions of nitro- and nitrazadicarboxylic acids

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 4, 1966, 753-755

TOPIC TAGS: organic nitro compound, aliphatic carboxylic acid, chemical reaction, dissociation constant, heat resistance

ABSTRACT: γ-nitro- and γ-nitro-γ-methylpimelic acid were synthesized from methyl acrylate and nitromethane (nitroethane). The dihydrazides and the dichloroanhydrides were prepared. Introduction of the nitro groups in the α-position of pimelic acids reduced their thermal stability. Dissociation constants determined by potentiometric titration showed that introduction of 1 or 2 nitro groups in the γ-position of pimelic acid increased acid strength. Acid strength increases in the following

UDC: 542.91 547.232

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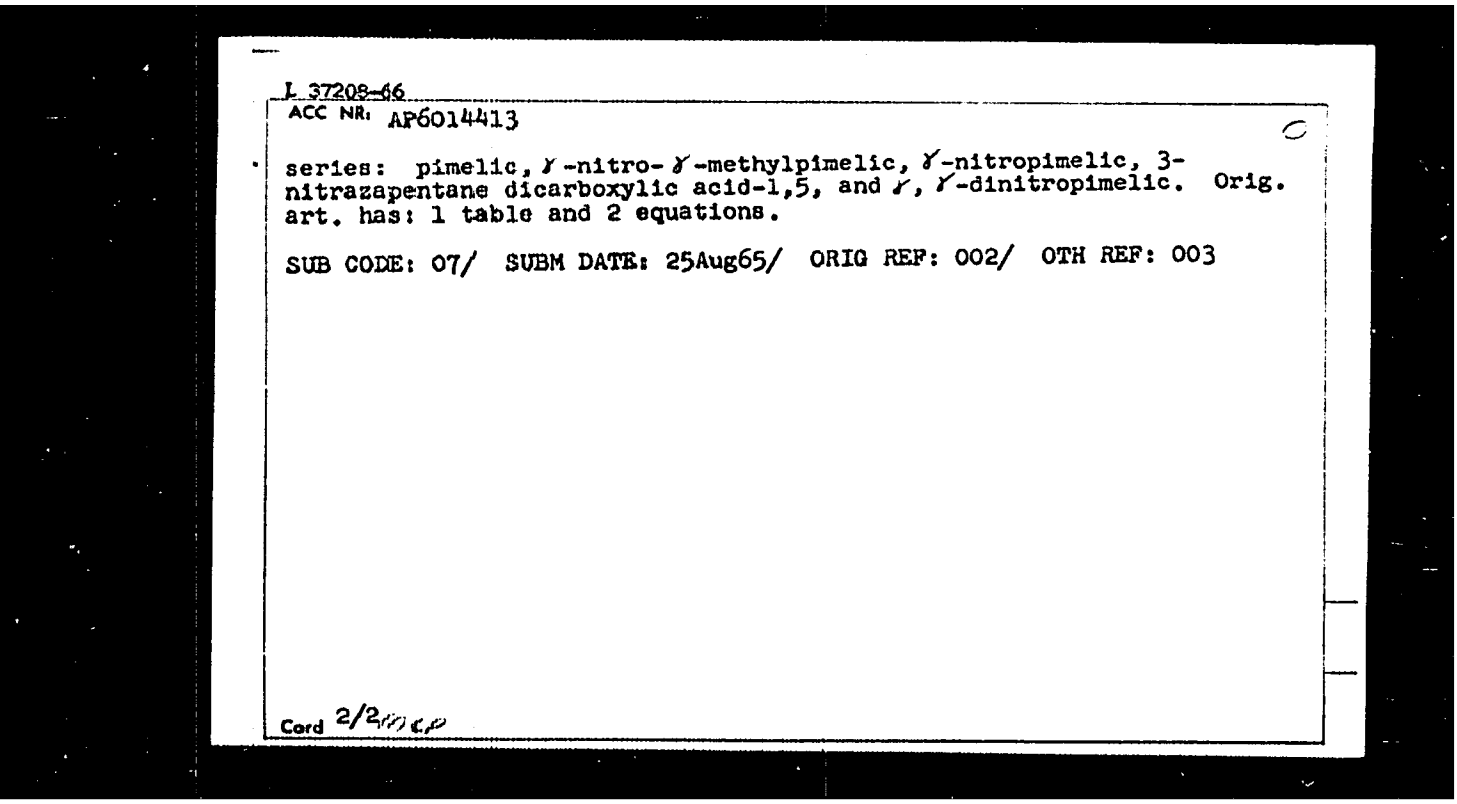

L 37208-66
ACC NR: AP6014413

series: pimelic, γ-nitro-γ-methylpimelic, γ-nitropimelic, 3-nitrazapentane dicarboxylic acid-1,5, and γ, γ-dinitropimelic. Orig. art. has: 1 table and 2 equations.

SUB CODE: 07/ SUBM DATE: 25Aug65/ ORIG REF: 002/ OTH REF: 003

Card 2/2

ALEKSEYEVA, T. A.

"Purified Protein Preparation from the Virus of Oat Mosaic (Zakukilvanie)," Comptes Rendus (Doklady) de l'Academie des Sciences de l'URSS, vol. 41, no. 8, 1943, pp. 344-346. 511 R44

SO: SIRA - SI - 90-53, 15 Dec. 1953

ALEKSEYEVA, T.A.

Comparative study of the toxic action of various types of influenza viruses on the sympathetic nervous system. Vop. virus. 5 no. 6:665-670 N-D '60. (MIRA 14:4)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR, Moskva.
(INFLUENZA) (NERVOUS SYSTEM, SYMPATHETIC)

ALEKSEYEVA, T. A., Cand. Medic. Sci. (diss) "On the Mechanism of Toxic Effect of Grippe Virus on Sympathetic Nervous System," Moscow, 1961, 11 pp. (Inst. Normal and Pathol. Physiol. Acad. Medic. Sci. USSR) 250 copies (KL Supp 12-61, 283).

ADO, A.D.; ALEKSEYEVA, T.A.; KANCHURIN, A.Kh.; TITOVA, S.M. (Moskva)

Pathogenesis of influenza in the light of pathophysiological studies.
Vrach. delo no.6:108-115 Je '61. (MIRA 15:1)
(INFLUENZA)

ALEKSEYEVA, T.A.

Using the luminescent spectral method for the study of the composition of fractions of aromatic disseminated bitumens. Trudy VNIGNI no.33:271-277 '62. (MIRA 18:12)

ALEKSEYEVA, T.A.

Effect of herpes virus on the functional state of the sympathetic nervous system. Vop.virus. 7 no.2:211-215 Mr-Ap '62. (MIRA 15:5)

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR, Moskva.
(HERPES) (NERVOUS SYSTEM, SYMPATHETIC)

ALEKSEYEVA, T.A.

Pathophysiological studies of the mechanism of toxic action of the influenza virus. Vest. AMN SSSR 17 no.2:9-14 '62. (MIRA 15:3)

1. Iz laboratorii patofiziologii Instituta virusologii AMN SSSR.

(INFLUENZA—MICROBIOLOGY)

SHELAGUROV, A.A., zasluzhenyy deyatel' nauki, prof.; YURENEV, P.N.; PORUSHINA, Yu.A.; ALEKSEYEVA, T.A.

Study of allergic factors in the clinical aspects of internal diseases; preliminary report. Sov.med. 26 no.2:17-23 F'63. (MIRA 16:6)

1. Iz kafedry propedevtiki vnutrennikh bolezney (zav. - zasluzhennyy deyatel' nauki prof. A.A.Shelagurov) lechebnogo fakul'teta II Moskovskogo meditsinskogo instituta imeni N.I.Pirogova i nauchno-issledovatel'skoy allergologicheskoy laboratorii (zav. - chlen-korrespondent AMN SSSR prof. A.D. Ado).

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