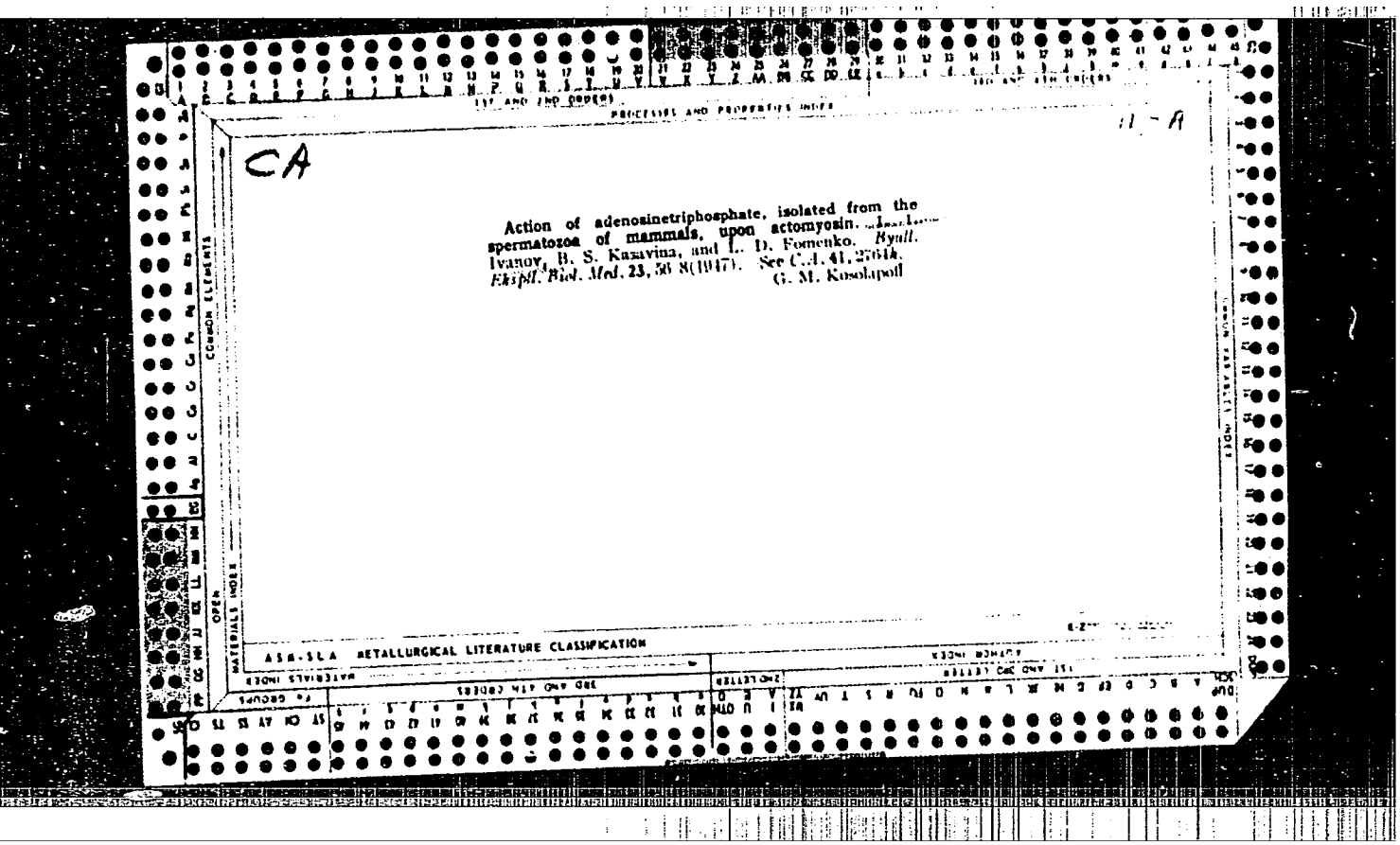
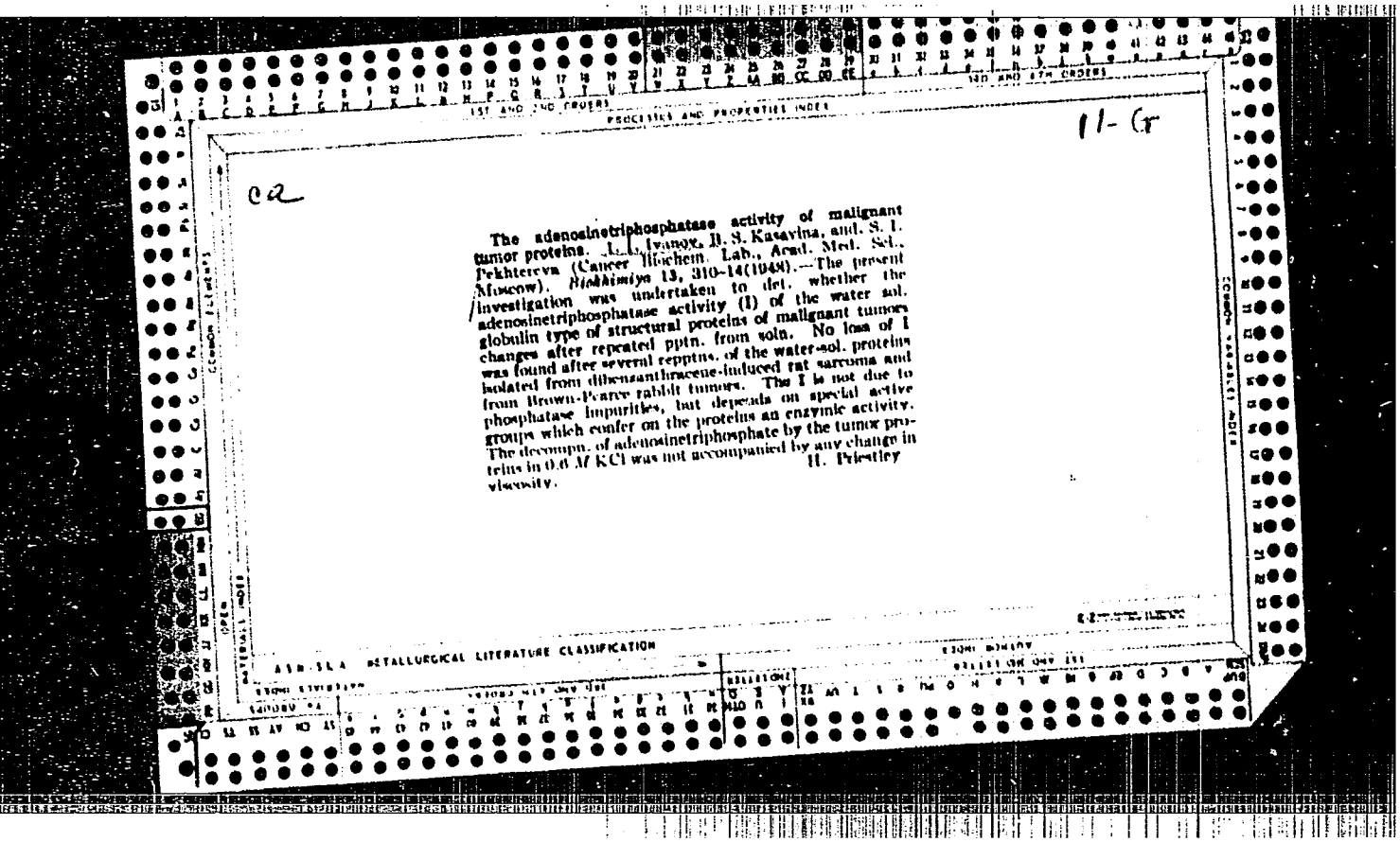




11- Cr

C2

The adenosinetriphosphatase activity of malignant tumor proteins. I. V. Ivanov, B. S. Kasavina, and S. I. Pekhtereva (Cancer Biochem. Lab., Acad. Med. Sci., Moscow). *Biokhimiya* 13, 310-14(1948).—The present investigation was undertaken to det. whether the adenosinetriphosphatase activity (I) of the water sol. globulin type of structural proteins of malignant tumors changes after repeated pptn. from soln. No loss of I was found after several repptns. of the water-sol. proteins isolated from dibenzanthracene-induced rat sarcoma and from Brown-Pearce rabbit tumors. The I is not due to phosphatase impurities, but depends on special active groups which confer on the proteins an enzymic activity. The decompn. of adenosinetriphosphate by the tumor proteins in 0.6 *M* KCl was not accompanied by any change in viscosity. H. Priestley

IVANOV, I. I.

PA 12/49T76

USSR/Medicine - Helminthology Jul/Aug 48
Medicine - Metabolism

"Adenosinetriphosphate in Helminths," I. I. Ivanov and V. A. Dubova, Biochem Lab, All-Union Inst of Helminthol imeni K. I. Skryabin, Moscow, 3 pp

"Biokhimiya" Vol XIII, No 4

The content of adenosinetriphosphate (I) in body tissues of the helminths Ascaris suum and Moniezia expansa varies between 4-13 mg. percent of readily hydrolyzable phosphorus (6-19 mg. percent of I). I from helminths does not noticeably differ from I from mammalia. It plays an important part in helminthic metabolism. Submitted 23 Aug 47.

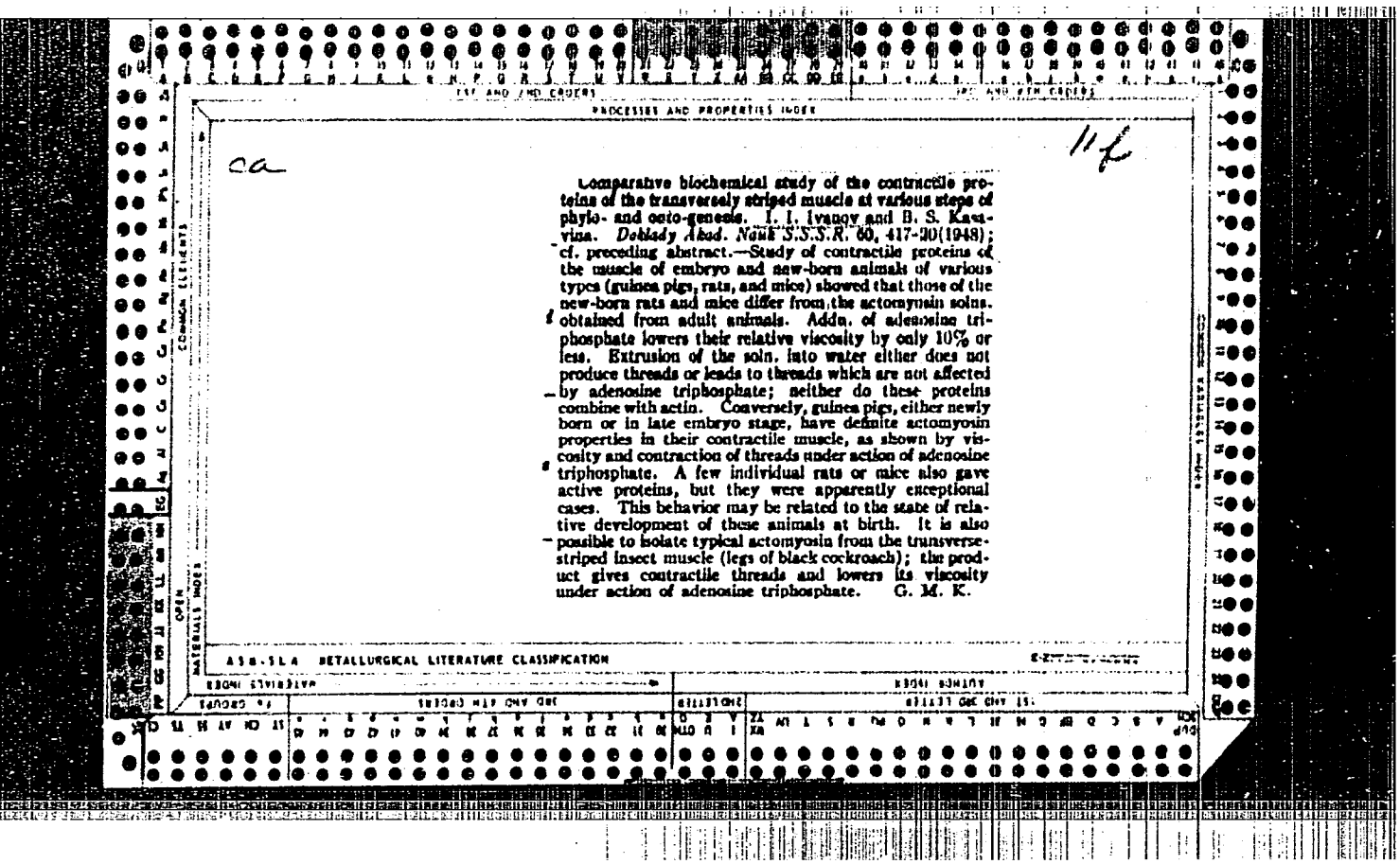
12/49T76

IVANOV, I. I. and KISELEVA, Ye. G.

"Antigenic Properties of Actinine of the Transverse Striated Muscles and Some Features of Contractile Albumins of Smooth Muscles," Dokl. AS USSR, 60, No.1, 1948

Experiments and studies to determine whether or not antigenic properties are present in actinine. Following this, authors studied contractile albumin of smooth muscles and some movable cells. Submitted by Acad. L. A. Orbeli 7 Feb 48.

63T44



PROCESSES AND PROPERTIES INDEX

ca

11f

Comparative biochemical study of the contractile proteins of the transversely striped muscle at various steps of phylo- and onto-genesis. I. I. Ivanov and B. S. Kasvina. *Doklady Akad. Nauk S.S.S.R.* 60, 417-20(1948); cf. preceding abstract.—Study of contractile proteins of the muscle of embryo and new-born animals of various types (guinea pigs, rats, and mice) showed that those of the new-born rats and mice differ from the actomyosin solns. obtained from adult animals. Addn. of adenosine triphosphate lowers their relative viscosity by only 10% or less. Extrusion of the soln. into water either does not produce threads or leads to threads which are not affected by adenosine triphosphate; neither do these proteins combine with actin. Conversely, guinea pigs, either newly born or in late embryo stage, have definite actomyosin properties in their contractile muscle, as shown by viscosity and contraction of threads under action of adenosine triphosphate. A few individual rats or mice also gave active proteins, but they were apparently exceptional cases. This behavior may be related to the state of relative development of these animals at birth. It is also possible to isolate typical actomyosin from the transverse-striped insect muscle (legs of black cockroach); the product gives contractile threads and lowers its viscosity under action of adenosine triphosphate. G. M. K.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

IVANOV, I. I.

USSR/Chemistry - Glycolysis, Coenzyme of Aug 49
Tumors

"The Mechanism Explaining the Inactivation of the Coenzyme of Glycolysis by Protein Extracts From Malignant Tumors of Men," I. I. Ivanov, B. I. Pekhterev, M. I. Tsimbler, Lab of Cancer Chem, Acad Sci USSR, 3 3/4 pp

"Dok Ak Nauk SSSR" Vol LXVII, No 6

Established the presence of a particular thermolabile substance combining with the coenzyme in extracts from spontaneous malignant human tumors (cancer of the stomach, mammary gland, [illegible]).

1/50T14

USSR/Chemistry - Glycolysis, Coenzyme of Aug 45
(Contd)

caecum). In extracts from benign human tumors (fibroma or cysts) no substance was observed to combine with the coenzyme. Submitted by Acad A. V. Palladin 16 Jun 49.

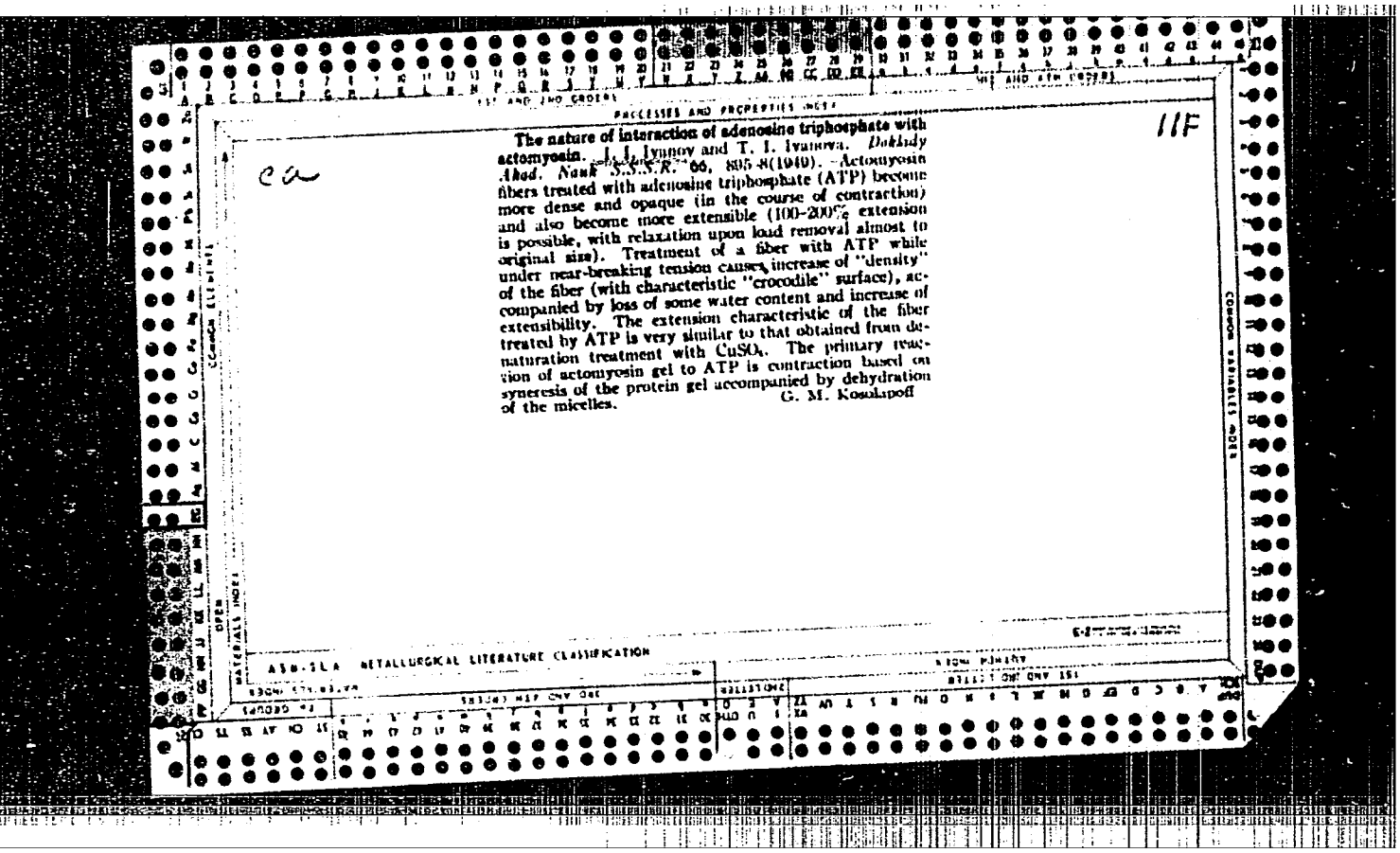
1/50T14

CA

115

Mechanism of the inactivation of glycolysis by protein extracts from cancer tissues. I. I. Ivanov, S. I. Peklitereva, and N. O. Zatelshchikova (Acad. Med. Sci., U.S.S.R.). *Biokhimiya* 14, 503-10(1949). The inability of aq. exts. from cancer tissues to ferment sugars and glycogen to form lactic acid had been ascribed to destruction of cozymase in the tissues by the special enzyme nucleosidase (Boyland, Boyland, and Greville, C.A. 31, 4710⁹). However, cozymase is present in the cancer tissue exts. in an inactive form, apparently combined with a protein. On boiling the cancer tissue exts., free cozymase is liberated. Unboiled cancer tissue exts. retard the glycolytic activity of muscle juice, since the cancer protein combines with the muscle cozymase and inactivates it. Cozymase added to cancer tissue exts. is not destroyed. H. Priestley

THE LAB. OF BIOCHEM. OF CANCER OF THE ACADEMY OF MED. SCIENCES, USSR

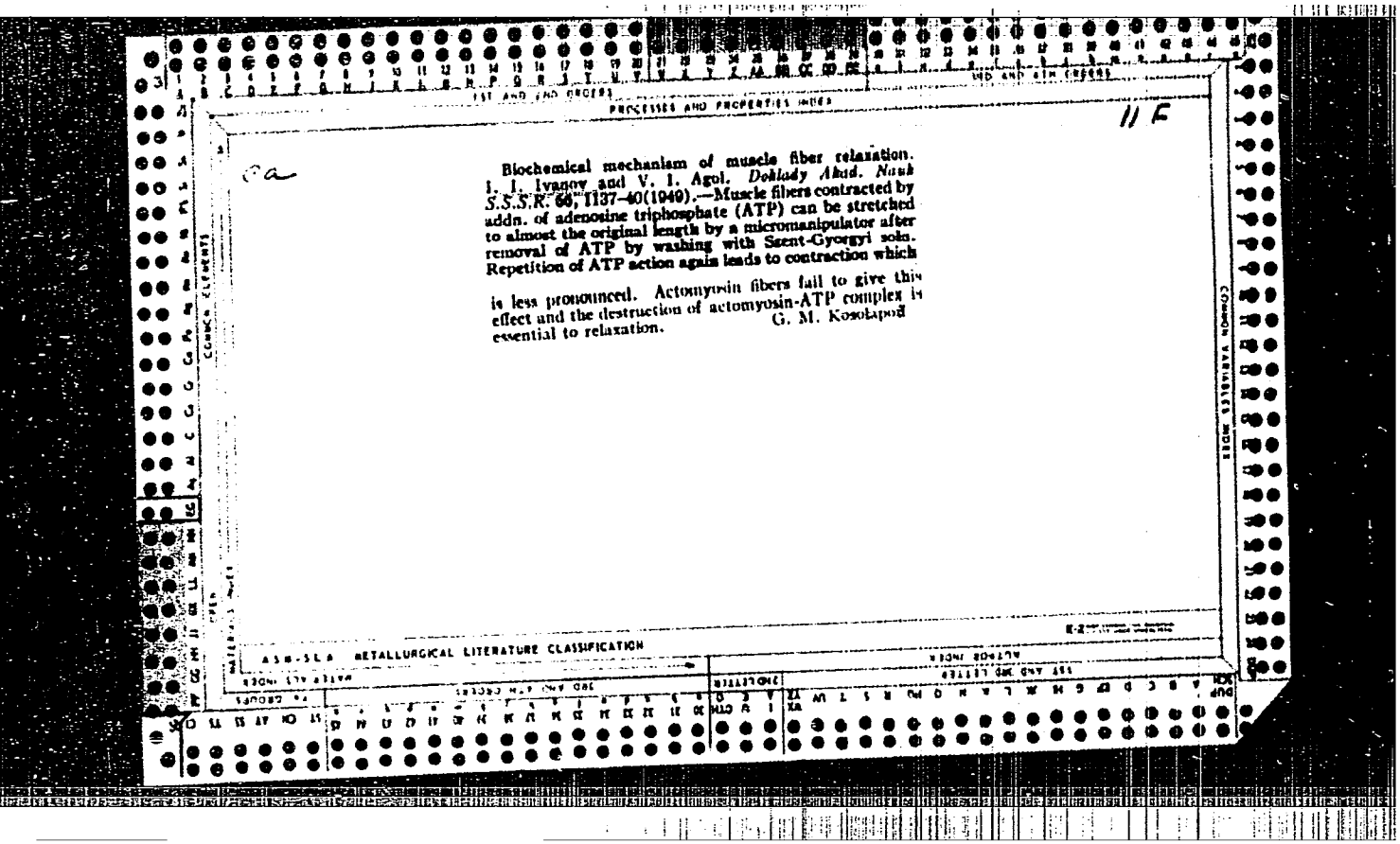


The nature of interaction of adenosine triphosphate with actomyosin. I. I. Ivanov and T. I. Ivanova. *Doklady Akad. Nauk S.S.S.R.* 66, 805-8(1949). Actomyosin fibers treated with adenosine triphosphate (ATP) become more dense and opaque (in the course of contraction) and also become more extensible (100–200% extension is possible, with relaxation upon load removal almost to original size). Treatment of a fiber with ATP while under near-breaking tension causes increase of "density" of the fiber (with characteristic "crocodile" surface), accompanied by loss of some water content and increase of extensibility. The extension characteristic of the fiber treated by ATP is very similar to that obtained from denaturation treatment with $CuSO_4$. The primary reaction of actomyosin gel to ATP is contraction based on syneresis of the protein gel accompanied by dehydration of the micelles.
G. M. Kosolapoff

IIF

ca

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION



PROCESSES AND PROPERTIES INDEX

11 F

Ca

Biochemical mechanism of muscle fiber relaxation. I. I. Ivanov and V. I. Agol. *Doklady Akad. Nauk S.S.S.R.* 66, 1137–40(1949).—Muscle fibers contracted by addn. of adenosine triphosphate (ATP) can be stretched to almost the original length by a micromanipulator after removal of ATP by washing with Szent-Gyorgyi sols. Repetition of ATP action again leads to contraction which is less pronounced. Actomyosin fibers fail to give this effect and the destruction of actomyosin-ATP complex is essential to relaxation.
G. M. Kosolapov

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

Pathology & Tumors

Inactivation of glycolysis co-enzyme by protein extractives from malignant human tumours. I. I. Ivanov, S. I. Pekhtereva, and M. L. Taimbier (*C. R. Acad. Sci. U.R.S.S.*, 1949, 67, 1085—1088).—Respiration in the systems muscle extract—Ringer solution—glycogen—adenosinetriphosphate is inhibited by addition of aq. extracts of mammary gland, intestinal, or gastric carcinomata, whereas addition of boiled extracts augments respiration. Extracts of benign tumours (ovarian cyst, uterine fibroma, mammary fibroadenoma) are without action. Incubation of the malignant tissue extracts (24 hr. at 37°) before addition does not affect the results, showing that enzymic decomposition of co-enzyme has not occurred. It is concluded that malignant tissues contain a thermolabile protein which reversibly inactivates the co-enzyme.

R. Truscott.

IVANOV, I.I.

Proteins of the actomyosin complex. Uspekhi Biol. Khim. 1, 179-202 '50. (MLRA 5:8)
(CA 47 no.14:7008 '53)

CA

4B

The amino acid composition of actin. I. I. Ivanov and E. N. Asmolova (First Moscow Med. Inst.). *Biokhimiya* 15, 201-3(1950); cf. *C.A.* 43, 9095*f*.—The actin from rabbit muscle contained 13.8–14.7% N. Lysine, arginine, histidine, glutamic acid, and aspartic acid were detd. by enzymic decarboxylation. The amino acid N in % of the total N was: arginine 14.2–14.6, aspartic acid 5.55, glutamic acid 9.2, histidine 4.0–4.1, lysine 10.25, tryptophan 1.7–1.9, phenylalanine absent or trace, tyrosine 2.1, methionine 2.4–2.95, cystine 0.81–0.83. H. P.

THE CHAIR OF BIOCHEM. OF THE FIRST MOSCOW ORDER OF LENIN MED. INST. AND THE LAB. OF THE BIOCHEMISTRY OF CANCER OF THE ACADEMY OF MED. SCIENCES, USSR., MOSCOW

Chemical Abstracts
Vol. 48 No. 5
Mar. 10, 1954
Biological Chemistry

Data on the energetics of contraction and relaxation of washed muscle fibers. I. I. Ivanov (1st Med. Inst., Moscow). *Ukrain. Biokhim. Zhur.* 22, 393–9(1950)(in Russian); cf. *C.A.* 43, 8409*i*.—Relaxation of muscle involves conversion of the elastic modification of myosin to the nonelastic form, during which process adenosinetriphosphate is split. Clayton F. Holoway

(2)

IVANOV, I. I.

Chemical dynamics of the muscles and contractile fiber cells.
Moskva, Medgiz, 1950. 253 p.

DAFM

1. Metabolism. 2. Muscles - Abnormities and deformities. 3. Elastic tissue.

ZBARSKIY, B.I.; IVANOV, I.I.; MARDASHEV, S.R.; SMIRNOVA, L.G., redaktor; KAHASIK, N.P., tekhnicheskiy redaktor

[Biological chemistry] Biologicheskaia khimiia. Moskva, Gos. izd-vo meditsinskoi lit-ry, 1951. 611 p. (MLRA 8:10)
(Biochemistry)

cA

11 B

Action of high pressure on myosin and water-soluble adenosinetriphosphatase. I. I. Ivanov and T. I. Ivanova (1st Moscow Med. Inst.). *Doklady Akad. Nauk S.S.S.R.* 77, 687-90(1951).—Evidence is collected supporting possible identity of myosin and adenosinetriphosphatase (I) (water-sol.), with 10 references. Application of 4000 atm. pressure leads to complete denaturation of myosin in 10 min. and its enzymic properties are completely lost. The water-sol. I and potato I, however, retain their enzymic properties without change under this treatment. This may lead to division of proteins into 2 groups—pressure-stable and pressure-unstable; among the latter are myosin and actomyosin. Hence the concept of myosin being a complex of myosin proper on which water-sol. I is adsorbed does not appear founded on fact. Proteins of malignant growths in contrast to myosin are stable to 4000 atm. pressure and retain their enzymic properties, which arise apparently from adsorbed cytoplasmic I.

G. M. Kosolapoff

1951

Biological Chemistry, Biochemistry of Animals (13003)

Vopr. Med. Khimii, Vol. 6, 1953, pp 45-47

Ivanov, I. I.; Gerasimova, A. V.; Tsimmler, M. L.

Protein Composition of Muscle Plasma

Viscosity of muscle plasma is not lowered in the presence of KCl when ATP is added. Proteins present in muscle plasma do not react with actin to form actomyosin.

SO: Referativnyy Zhurnal -- Khimiya, No. 2, 1954 (W-30907)

IVANOV, I. I.

The Committee on Stalin Prizes for the Council of Ministers [illegible] announces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stalin Prizes for the years 1952 and 1953 (Pravda, Moscow, No. 87, 28 Feb - 3 Apr 1954)

Name	Title of Work	Nominated by
Zbarskiy, B. I. Mardashev, S. R. Ivanov, I. I.	"Biological Chemistry" (textbook)	Bureau of Biochemical Section of Moscow Society of Physiologists, Biochemists, and Pharmacologists

SO: W-30604, 7 July 1954

Ivanov, I. I.

Ivanov, I. I., *et al.*: Radioaktivnye izotopy v meditsine i biologii: Prakticheskoe rukovodstvo (Radioisotopes in Medicine and Biology: Practical Handbook). Moscow: Medgiz. 1955. 531 pp.

ZBARSKIY, B.I.; IVANOV, I.I.; MARDASHEV, S.R.; KAPLANSKIY, S.Ya., redaktor; BOBROVA, Ye.N., tekhnicheskiy redaktor.

[Biochemistry] Biologicheskaia khimiia. 2-e izd. Moskva, Gos. izd-vo med. lit-ry, 1954. 618 p. [Microfilm] (MLRA 7:11)
(Biochemistry)

IVANOV, I. I.; ZBARSKIY, B. I.; and MARDASHEV, S. R.

"Current USSR Theories on Action of Chemical Mediators in Transmission of Nerve Impulses," Biol. Khim., 619 pages, Medgiz, Moscow, 1954

Summary - W-31274, 20 May 55

IVANOV, I. I.

EXCERPTA MEDICA Sec.2 Vol.9/11 Physiology,etc. Nov56

4999. IVANOV I. I. and TORTCHINSKIY Yu. M. Dept. of Biochem., 1st Med. Inst., Moscow; Dept. of Radiation, Centr. Inst. for Med. Specialist Training, Moscow. *The nature of the contraction of actomyosin and 'sheet' actomyosin fibres under the influence of adenosine triphosphate (Russian text) BIOKHIMIJA 1955, 20/3 (328-335)

Shortening of ordinary actomyosin fibres, or of 'sheet' fibres prepared by the method of Hayashi, is closely connected with partial dehydration of a gel. The less the water in the gel, the less its ability to shorten in reaction with ATP. Increased strength and elasticity of the fibres under the influence of chemical agents or of partial drying by the method of Portzehl is due to partial denaturation of the contracting fibres and is accompanied by some loss of shortening power. The orientation of the actomyosin micelles along the axis of the fibre does not cause greater shortening of the fibre or increased speed of this process. The mechanism of shortening of the 'sheet' fibre does not differ from that of actomyosin gels in the presence of ATP. Leicester - San Francisco, Calif.

IVANOV, I. I.

The constituent fractions of proteins of the smooth muscles of vertebrates. I. I. Ivanov and V. D. Bokhina. *Biokhimiya* 20, 292-5(1955).—Smooth muscles of the stomachs of pigeons, rabbits, and dogs were used in all cases. Chest muscles of the pigeons and thigh muscles of the dogs and rabbits were used for expts. with striated muscles. Electrophoretic sepn. of protein constituents was used. In the proteins of the smooth muscles of the stomach of the pigeon 4 constituents were found: Fraction I, corresponding to peak I, representing 9% of the sol. proteins; fraction II (peak II), approximately 42%; fraction III (peak III), near 20%, and fraction IV (peak IV), near 29% of the sol. proteins. Results obtained with the proteins of the stomach muscle of the rabbits and dogs were practically identical with the above. The proteins of the actomyosin complex are present in the smooth muscles of vertebrates in comparatively small amts. and appear to be constituents of fraction II. The physicochemical consts. of I, III, and IV have not been investigated. The results obtained strengthen the assumption previously forwarded (Krim, *Dinamika Myshts i Podvizhnykh Kletok*, Moscow 1950; *Byull. Eksptl. Biol. i Med.* 1949, 321) that a protein constituent other than actomyosin forms the substrate of smooth muscle tonicity in vertebrates. B. S. Levine

(1)

V 7608

RADIOACTIVE ISOTOPES IN MEDICINE AND BIOLOGY (U)

V. K. Modestov, L. I. Ivanov, Yu. M. Satukkenberg, S. F. Romantsev, and [illegible]. Moscow, Medgiz, 1955. (In Russian) (Book on display at Geneva Conference)

A practical guide for physicians and biologists working with radioactive isotopes. Part I contains elementary data on nuclear physics, deals with the problems of the interaction between radiation and substance, and with measurement techniques. Part II dwells on the use of radioactive isotopes for tagging. The concluding chapters contain data on protection against radioactivity and on equipping laboratories. Supplements for reference purposes are attached. (publisher's note)

IVANOV, I. I.

Obmen Veshchestv pri Luchevoy Bolezni (Metabolism in Radiation Sickness), by Prof I. I. Ivanov, V. S. Balabushka, Ye. F. Romantsev, and T. A. Fedorova, Moscow, Medgiz, 1956, 251 pp

The table of contents of this book is as follows:

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Both Soviet and foreign works are cited. (U)

SUM.1360

Sec. Vol. 1957 Phy. Biochem. July 5

2748. IVANOV I. I., YURIEV V. A., KADYSHEV V. V., KRYMSKAYA B. M., MOISSEEVA V. P. and TUKACHINSKY S. E. *An electrophoretic study of the fractional composition of the skeletal muscles of vertebrates in ontogenesis (Russian text)* Biokhimija 1956, 21/5 (591—595) Graphs 9 Tables 1 Illus. 2

Profound changes occur during the embryonic and early postnatal period of development in the fractional composition of proteins of striated muscles. These consist in a gradual enrichment of the 'actomyosin' fraction whose precursors are obviously the proteins of the 'proactomyosin complex'. As regards the protein content of the actomyosin complex the embryonic muscles are close to smooth vertebrate tonic muscles of mesenchymal origin, and this agrees with the physiological type of their contractile reactions as well.

USSR/Human and Animal Physiology - Metabolism. V-2

Abs Jour : Ref Zhur - Biol., No 1, 1958, 3657

Author : I.I. Ivanov, V.A. Yur'yev, V.V. Kadykov, B.M. Krymskaya, V.P. Moiseyeva, S.Ye. Tukachinskiy

Inst : Academy of Sciences, USSR

Title : Proteins of the Proactomyosin Complex in Ontogeny.

Orig Pub : Dokl. AN SSSR, 1956, 111, No 3, 649-651

Abstract : The fractional composition of proteins in the somatic muscles of rabbits at various stages of embryonic and post-natal development was studied by means of free electrophoresis and paper electrophoresis. There was a great difference in the fractional composition of muscular proteins between embryonic and new-born rabbits, on one hand, and adult animals on the other hand. The contracting capacities of the proteins corresponed to

Card 1/2

Abs Jour : Ref Zhur - Biol., No 1, 1958, 3657

the particularities of their composition. In presence of ATF /ATP ?/, the contracting ability of protein fibers from muscle proteins is the less pronounced the younger is the animal. Therefore, there is - in ontogeny - a gradual change of the fractional composition of the striated muscle proteins towards an increase of the actomyosin fraction, which is formed from the "proactomyosin complex".

DOMSHLAK, M.P.; IVANOV, I.I.; BELGUSOVA, O.I.; YAKOVLEV, V.G.

Biological radiation protection in experimental radiotherapy of tumors. Med.rad. 2 no.3:47-52 My-Je '57. (MLRA 10:10)

(RADIATION PROTECTION, exper.
by cysteine & sodium cyanate in radiother. of exper. tumors in rats)
(CYSTEINE, eff.
in radiation protection in radiother. of exper. tumors in rats, with sodium cyanate)
(CYANATES, eff.
sodium cyanate in radiation protection in radiother. of exper. tumors in rats, with cysteine)

USSR/Human and Animal Physiology (Normal and Pathological). T
Nerve and Muscle Physiology.

Abs Jour: Ref Zhur-Biol., No 17, 1958, 79912.

Author : Strelina, A.V ; Ivanov, I.I.; Zhukov, Ye. K.
* Inst :
Title : On the Peculiarities of Contracted Proteins of the Skeletal Muscles of Fibers of Different Types.

Orig Pub: Fiziol. zh. SSSR, 1957, 43, No 4, 351-357.

Abstract: In the tonic cluster of the iliac-peroneus muscle of the frog, the tonic and phase working fibers were isolated. With a rate of stimulation of 5 pul/sec, the tetany fiber gave no unified contraction, but rather a series of discreet single contractions. In relation to ATP, muscle structures can be divided

Card : 1/3

* Kafedra biokhimii Leningradskogo pedinstricheskogo medirinskogo instituta i Laboratorii evolyutsionnoy fiziologii Leningradskogo gosudarstvennogo universiteta.

IVANOV, I.I.

20-4-36/60

AUTHORS Ivanov, I.I. and Pinayev G.P.

TITLE On the Mechanism of Contraction and Spontaneous Relaxation of Glycerin Models of Myofibrillae. (O mekhanizme sokrashcheniya i samoproizvol'nogo rasslableniya glitserinovykh modeley myshechnykh volokon.)

PERIODICAL Doklady Akademii Nauk SSSR, 1957, Vol. 115, Nr 4, pp. 763-764 (USSR)

ABSTRACT During their work with muscle fibrils macerated in water glycerin media (prepared according to Bendall) the authors made an interesting discovery. It was found that in several cases fibers that were not completely lixiviated by 50 % glycerin posses the capacity to relax spontaneously at a certain load and a certain thickness of the bundle upon addition of ATF and after contraction. Sometimes they contract thereafter and relax again. For this a reduction in load is necessary. Sometimes the models are damaged in the course of expansion and lose part of their contractility. Although several authors mention the possibility of this phenomenon and even noticed it, none of them gave a some-what clear explanation for it. The authors believe that the relaxation has something in common with the flickering motion of the contractile parts of the cell models of

CARD 1/2

20-4-36/60

...m of Contraction and Spontaneous Relaxation of Glycerin models of Myofibrillae.

glycerin (Hoffmann-Berling) ... relaxation of a fibril in an ATF solution can only be explained as follows: The ATF - acitivity of a muscle fibril etc. apparently decreases on contraction and increases on relaxation. This creates the possibility of a periodic contraction and relaxation of the contractile protein in the same medium which contains ATF, when there exists a force that extends the fibril or correspondingly causes the reexpansion of the motion "organelle". There are 1 table and 4 Slavic references.

ASSOCIATION: Leningrad Pediatric Medical Institute. (Leningradskiy pediatricheskiy meditsinskiy institut)

SUBMITTED: May 3, 1957.

PRESENTED: By V.A. Engel'gardt, Academician, May 9, 1957

AVAILABLE: Library of Congress.

CARD 2/2

YAKOVLEV, V.G., IVANOV, I.I.

Chemical protection of animals from the effect of roentgen rays [with summary in English]. Med.rad. 3 no.5:14-20 S-O '58 (MIRA 11:12)
(RADIATION PROTECTION, by cyanides & cysteine in rats (Rus))
(CYANIDES, eff. radiation protection in rats (Rus))
(CYSTEINE, eff. same (Rus))

STEPANOVA, M.M., IVANOV, I.I.

Vitamin C and aromatic amino acid metabolism in radiation sickness [with summary in English]. Vop.med.khim. 4 no.5: 370-372 S-O '58 (MIRA 11:11)

1. Kafedra biologicheskoy khimii Leningradskogo pediatricheskogo meditsinskogo instituta.

(VITAMIN C, in urine,
eff. of x-rays (Rus))
(AMINO ACIDS, in urine,
aromatic, eff. of x-rays (Rus))
(ROENTGEN RAYS, effects,
on urinary aromatic amino acids & vitamin c (Rus)))

MIKHAYLOVSKAYA, L.A., kand.biol.nauk, NOVOZHILOV, D.A., prof. IVANOV, I.I., prof.

Biochemical studies of the muscle in poliomyelitis and their significance for the clinician. Ortop.travm. i protez. 19 no.3:28-32 My-Je '58 (MIRA 11:7)

1. Iz nauchno-issledovatel'skogo detskogo ortopedicheskogo instituta im. G.I. Turnera i kafedry biokhimii Leningradskogo pediatricheskogo meditsinskogo instituta.

(POLIOMYELITIS, pathol.
musc., biochem. changes (Rus))
(MUSCLE, pathol.
in poliomyelitis, biochem. changes (Rus))

IVANOV, I.I.; YUR'YEV, V.A.; NOVOZHILOV, D.A.; MIKHAYLOVSKAYA, L.A.; KRYMSKAYA, B.M.

Biochemical determination of the functional condition of muscles in poliomyelitis. Vop.med.khim. 5 no.4:243-250 Jl-Ag '59.
(MIRA 12:12)

1. Kafedra biokhimii Leningradskogo pediatricheskogo meditsinskogo instituta i biokhimicheskaya laboratoriya Nauchno-issledovatel'skogo detskogo ortopedicheskogo instituta imeni G.I. Turnera.
(POLIOMYELITIS pathol.)
(MUSCLE PROTEINS)

IVANOV, I.I.; PARSHINA, E.A.; MIROVICH, N.I.

Adenosinetriphosphatase activity and contractile properties of myosin. Biokhimiia 24 no.2:248-252 Mr-Ap '59. (MIRA 12:7)

1. Biochemical Laboratory, Institute of obstetrics and gynecology, Academy of Sciences of the U.S.S.R., and Chair of Biochemistry of the Pediatric Medical Institute, Leningrad.
(MUSCLE PROTEINS,
myosin, ATPase activity & contractile properties (Rus))
(ADENYLPYROPHOSPHATASE,
in myosin (Rus))

IVANOV, I.I.; ZHAKHOVA, Z.N.; ZINOV'YEVA, I.P.; MIROVICH, N.I.; MOISEYEVA, V.P.; PARSHINA, E.A.; TUKACHINSKIY, S.Ye.; YUR'YEV, V.A.

Fractional composition of proteins and contractile function of various muscle types. Biokhimiia 24 no.3:451-458 My-Je '59. (MIRA 12:9)

1. Biochemical Laboratory of the Institute of Obstetrics and Gynecology, Academy of Medical Sciences of the U.S.S.R., Chair of Biochemistry of the Pediatric Medical Institute, and the Institute of Blood Transfusion, Leningrad.
(MUSCLE PROTEINS,
fractional composition, eff. on musc. contraction (Rus))

IVANOV, I.I.; MIROVICH, M.I.; PARSHINA, E.A.

Effect of high pressure on the adenosintriphosphatase activity of myosin. Biul.eksp.biol. i med. 47 no.6:38-40 Je '59. (MIRA 12:8)

1. Iz biokhimicheskoy laboratorii Instituta akusherstva i ginekologii AMN SSSR kafedry biokhimii Leningradskogo pediatricheskogo meditsinskogo instituta. Predstavlena deystvitel'nym chlenom AMN SSSR S.Ye.Severinym.

(MUSCLE PROTEINS,
myosin, eff. of high pressure on ATPase activity (Rus))
(ADENILPYROPHOSPHATASE,
in myosin, eff. of high pressures (Rus))
(ATMOSPHERIC PRESSURE, eff.
on myosin ATPase activity (Rus))

IVANOV, I.I.; KODYKOV, V.V.; YUR'YEV, V.A.

Globulin X as a separate protein. Biul.eksp.biol. i med. 48 no.7:46-50 Jl '59. (MIRA 12:10)

1. Iz kafedry biokhimii Leningradskogo pediatricheskogo meditsinskogo instituta. Predstavlena deystvitel'nym chlenom AMN SSSR V.N.Orekhovichem.
(GLOBULINS)

IVANOV, I.I.; MIROVICH, N.I.

Actin content of the myometrium. Biul.eksp.biol. i med. 48 no.9: 67-70 S '59. (MIRA 13:1)

1. Iz Biokhimicheskoy laboratorii (zaveduyushchiy - prof. I.I. Ivanov) Instituta akusherstva i ginekologii (direktor - chlen-korrespondent AMN SSSR prof. P.A. Beloshapko) AMN SSSR, Leningrad. Predstavlena deystvitel'nym chlenom AMN SSSR S.R. Mardashevym.

(MUSCLE PROTEINS chem.)
(UTERUS chem.)

IVANOV, I.I.; GAYTSKHOKI, V.S.; KORKHOV, V.V.

Effect of roentgen rays on the motor function of contractile proteins of mobile cells. Biul.eksp.biol.i med. 48 no.12:47-50 D '59. (MIRA 13:5)

1. Iz laboratorii biokhimii (zav. - prof. I.I. Ivanov) Instituta akusherstva i ginekologii (dir. - chlen-korrespondent AMN SSSR P.A. Beloshapko) AMN SSSR, Leningrad. Predstavlena deystvitel'nym chlenom AMN SSSR S.Ye. Severinym.
(SPERMATOZOA radiation eff.)
(MUSCLE PROTEINS)

ZBARSKIY, Boris Il'ich [deceased]; IVANOV, Il'ya Il'ich; MARDASHEV, Sergey Rufovich; DEBOV, S.S., red.; BEL'CHIKOVA, Yu.S., tekhn.red.

[Biological chemistry] Biologicheskaia khimiia. Izd.3., ispr. i dop. Moskva, Gos.izd-vo med.lit-ry, 1960. 489 p. (MIRA 13:9)

(BIOCHEMISTRY)

KVASOV, D.G., prof., otv. red.; IVANOV, I.I., prof., red.; SHUTOVA, N.T., prof., red.; KOROVINA, M.V., kand. med. nauk, red.; TSIPERSON, Z.S., tekhn. red.

[Problems in the general and age-related physiology of the nervous system] Voprosy obshchei i vozrastnoi fiziologii nervnoi sistemy. Pod red. D.G.Kvasova. Leningrad, 1960. (MIRA 14:5)
200 p.

1. Pediatricheskiy meditsinskiy institut. 2. Kafedra normal'noy fiziologii Leningradskogo pediatricheskogo meditsinskogo instituta (for Kvasov, Korovina)
(NERVOUS SYSTEM)

IVANOV, I.I.; MIROVICH, N.I.

Protein fractions in the skeletal musculature of the rabbit following section of the spinal cord. Vop.med.khim. 6 no.4: 403-407 Jl-Ag '60. (MIRA 14:3)

1. Biochemical Laboratory of the Institute for Obstetrics and Gynecology, the U.S.S.R.Academy of Medical Sciences, Leningrad.
(MUSCLES) (PROTEINS) (SPINAL CORD--SURGERY)

SOLOV'YEV, A.L.; SHERSTNEV, A.E.; IVANOV, I.I.; PARSHIN, A.N.; GORYUKHINA, T.A.

Some data and considerations on possible means of chemotherapy for melanomas. Vop. onk. 6 no.6:88-89 Je '60. (MIRA 14:3)
(TUMORS) (TYROSINE) (CARBON--ISOTOPES)

IVANOV, I.I.; BERG, Yu.N.; LEBEDEVA, N.A.

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1. Chair of Biochemistry, the Pediatric Medical Institute, Leningrad. (MYOSIN)

IVANOV, I.I.; AKSENOVA, N.N. (Khor'kova); SUVOROVA, L.V.

Effect of irradiation on the structural viscosity of desoxyribonucleic acid of the rat liver in ontogenesis. Biokhimiia 25 no.5: 865-872 S-O '60. (MIRA 14:1)

1. Chair of Biochemistry and Chair of Histology, Pediatric Medical Institute, Leningrad.
(LIVER) (DESOXYRIBONUCLEIC ACID metabolism)
(X RAYS—PHYSIOLOGICAL EFFECT)

BELOSHAPKO, P.A.; IVANOV° I.I.; MAIZEL', Ye.P.

Clinical and experimental data on the problem of sterility in marriage. Akush.i gin. 36 no.1:31-35 Ja-F '60. (MIRA 13:10)

(STERILITY)

IVANOV, I. I., BERG, YU. N., LEBEDEVA, N. A., LOPATINA, N. I., MIROVICH, N. I., TUKACHINSKIY, S. Y., YURYEV, V. A., and ZHAKHOVA, Z. N. (USSR)

"Proteins of various Muscle Myofibrils and the Problem of Tone."

Report presented at the 5th International Biochemistry Congress, Moscow, 10-16 Aug 1961

IVANOV, Il'ya Il'ich; YUR'YEV, Vladimir Anatol'yevich; PARSHIN, A.N., red.; CHUNAYEVA, Z.V., tekhn. red.

[Biochemistry and pathobiochemistry of muscles] Biokhimiia i patobiokhimiia myshts. Leningrad, Gos. izd-vo med. lit-ry Medgiz, 1961. 274 p. (MIRA 14:8)

(BIOCHEMISTRY) (MUSCLE)

IVANOV, I.I.; MIROVICH, N.I.; ZHAKHOVA, Z.N.; TUKACHINSKIY, S.Ye.

Water-soluble myofibril proteins of the myometrium. Vop. med. khim. 7 no.4:384-390 Jl-Ag '61. (MIRA 15:3)

1. Laboratory of Biochemistry of the Institute of Obstetrics and Gynecology of the Academy of Medical Sciences of the U.S.S.R. and Biophysical Laboratory of the Leningrad Institute of Blood Transfusion.
(MUSCLE) (UTERUS) (PROTEINS)

IVANOV, I.I.; SOLOV'YEV, A.L.; GAVRILENKO, I.S.

Tyrosinase test and its possibilities in the study of antimelanin properties of bis(β-chloroethyl) amino derivatives of pyrocatechol and tyrosine. Vop. onk. 10 no.6:82-84 '64.

(MIRA 18:3)

1. Kafedra biokhimii (zav. - chlen-korrespondent AMN SSSR prof. I.Ivanov) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M.Kirova. Adres avtorov: Leningrad, K-9, Pirogovskaya naberezhnaya, 1, kafedra biokhimii Voyenno-meditsinskoy ordena Lenina akademii imeni Kirova.

IVANOV, I.I.; KREPS, Ye.M.; ZAREMBSKIY, R.A., kand. med. nauk

First All-Union Biochemical Conference. Vest. AN SSSR 34 no.5:144-148 My '64. (MIRA 17:6)

1. Chlen-korrespondent AMN SSSR (for Ivanov). 2. Chlen-korrespondent AN SSSR (for Kreps).

ZAREMBSKIY, R.A.; IVANOV, I.I.

First All-Union Biochemical Congress and the problems of modern biochemistry. Usp. sovr. biol. 58 no. 2:307-320 S-O '64. (MIRA 17:12)

IVANOV, I.I.; BOROVIKOVA, O.N.; VLADIMIROV, V.G.; DOLGO SABUROV, V.B. SHAROBAYKO, V.I.

Mechanism of DNA level reduction in issues after the exposure of the organism to ionizing radiation. Dokl. AN SSSR 155 no. 3: 683-684 Mr '64. (MIRA 17:5)

1. Voyenno-meditsinskaya akademiya im. S.M.Kirova. Predstavleno akademikom A.N.Belozerskim.

KOROVKIN, Boris Fedorovich; IVANOV, I.I., prof., red.; SHAROBAYKO, V.I., red.

[Enzymes in the diagnosis of myocardial infarct] Fermenty v diagnostike infarkta miokarda. Leningrad, Meditsina, 1965. 127 p. (MIRA 18:4)

1. Chlen-korrespondent AMN SSSR (for Ivanov).

KREPS, Ye.M.; IVANOV, I.I.

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BERG, Yu.N.; LEBEDEVA, N.A.; MARKINA, Ye.A.; IVANOV, I.I.

Effect of high pressure on some myosin properties. Biokhimiia 30 no.2:277-281 Mr-Ap '65. (MIRA 18:7)

1. Kafedra biokhimii Pediatricheskogo meditsinskogo instituta, Leningrad.

IVANOV, I.I.; FEDRUSEVICH, Ya.M.

Recording chemiluminescence spectra of unsaturated fatty acids and some biological lipids. Nauch.dokl.vys.shkoly; biol.nauki no.3:81-82 '65. (MIRA 18:8)

1. Rekomendovana kafedroy biofiziki Moskovskogo gosudarstvennogo universiteta.

"FRUMKIN, Yu.M., IVANOV, I.I.

Study of extremely weak chemiluminescence spectra in the processes of electrolytic oxidation of amino acids. Biofizika 10 no.4:698-699 '65. (MIRA 18:8)

1. Biologo-pochvennyy fakul'tet Moskovskogo gosudarstvennogo universiteta.

VDOVENKO, V.M.; IVANOV, I.I.; BOBROVA, V.N.; GAVRILENKO, I.S.; IVANOV, A.I.; SOLOV'YEV, A.L.; RUMYANTSEVA, L.N.

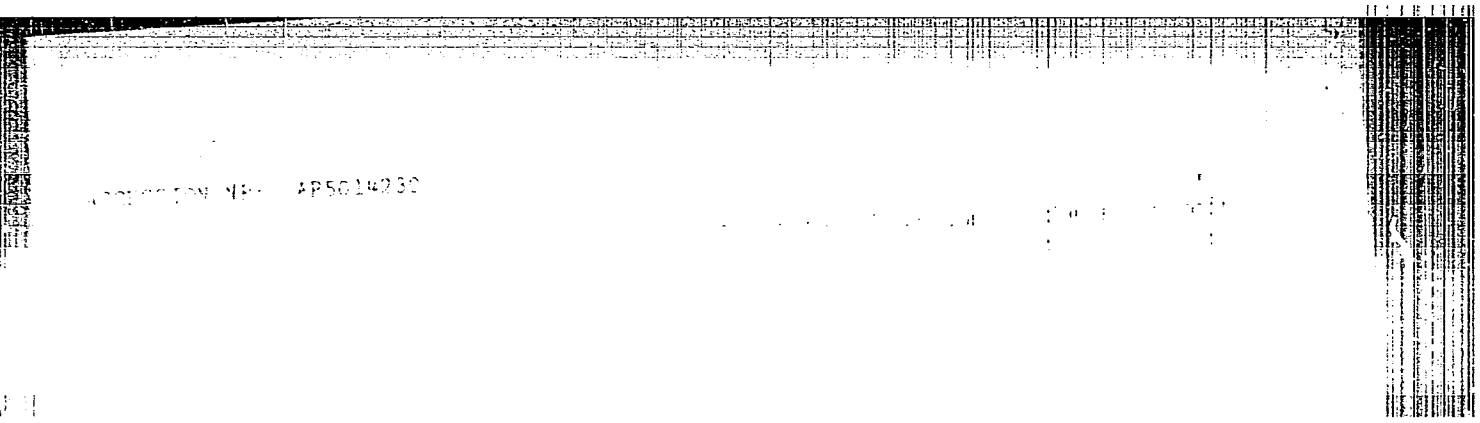
Possibility of applying 3-(3,4-dihydroxyphenyl)alanine (DOPHA) as a mediator introducing radioisotopes into melanoma. Dokl. AN SSSR 164 no.1:95-98 S '65. (MIRA 18:9)

1. Radiyevyy institut im. V.G. Khlopina i Voyenno-meditsinskaya akademiya im. S.M. Kirova. 2. Chlen-korrespondent AN SSSR. (for Vdovenko).

IVANOV, I.I.; [illegible], Yu.Yu.; IVANOV, A.I.

Functional significance of some protein subfractions entering into the composition of myofibril proteins of the skeletal muscles soluble in salt media of low ionic strength. Dokl. AN SSSR 160 no.3:717-719 Ja '65. (MIRA 18:3)

1. Voyenno-meditsinskaya akademiya im. S.M. Kirova. Submitted May 26, 1964.



with respect to [illegible], the protein complex, regardless of [illegible] after exposure to high pressure, the protein complex, regardless of [illegible] dissolved more or less readily in 0.6 M KCl. The behavior of actomyosin in animals at different stages of evolution suggests that there are different protein "families" involved. Orig. art. has: 1 figure, 3 tables.

ASSOCIATION: Kafedra biokhimii Leningradskogo pediatricheskogo meditsinskogo institut[illegible] (Department of Biochemistry, Leningrad Pediatrics Medical Institute)

NO REF SOV: 007

L 9785-66

ACC NR: AP5028541 SOURCE CODE: UR/0286/65/000/020/0151/0151

AUTHORS: Kavalerov, A. A.; Miroshnichenko, P. A.; Norinskiy, Ye. Ya.; Sidorov, K. I.; Glazman, B. M.; Krymchanskiy, F. G.; Ivanov, I. I.

ORG: none

TITLE: Earth digging machine for ditch digging. Class 84, No. 175895 [announced by Special Construction Bureau No. 1 of the State Committee on Construction, Road Building and Municipal Machinery Construction at GOSSTROY's of the SSSR (Osoboye konstruktorskoye byuro No. 1 gosudarstvennogo komiteta stroitel'nogo, dorozhnogo i kommunal'nogo mashinostroyeniya pri GOSSTROYe SSSR)]

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 20, 1965, 151

TOPIC TAGS: earth handling equipment, construction equipment, tractor, transportation equipment

ABSTRACT: This Author Certificate presents a ditch digging machine. The machine includes a tractor and a supporting frame on which are mounted a cutter, a discharge cone, a thrower with rotating mantle, a plow-type wideners, and a drive (see Fig.1). To decrease the metal and power requirements, the digger is con-

Card 1/2 UDC: 621.879.48.867.9

L 9785-66
ACC NR: AP5028541

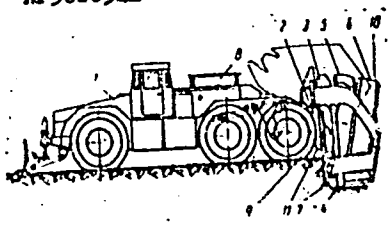


Fig. 1. 1 - Tractor; 2 - lifting frame; 3 - face cutter; 4 - discharge cone; 5 - thrower; 6 - rotating thrower mantle; 7 - plow-shaped wideners; 8 - drive; 9 - movable cutting blades; 10 - mantle support; 11 - levers of face cutter.

structed with a face cutter on the hub of which movable cutting blades are mounted. These are automatically rotated when the face cutter rotation is reversed. The cutter has a common drive with the thrower whose rotating mantle is mounted on a central support. A second feature has the rotation mechanism for the movable blades executed in the form of a pneumatic cylinder which is mounted in the sleeve of the lifting frame and which acts on levers rigidly connected to the blades of the face cutter. Orig. art. has: 1 figure.

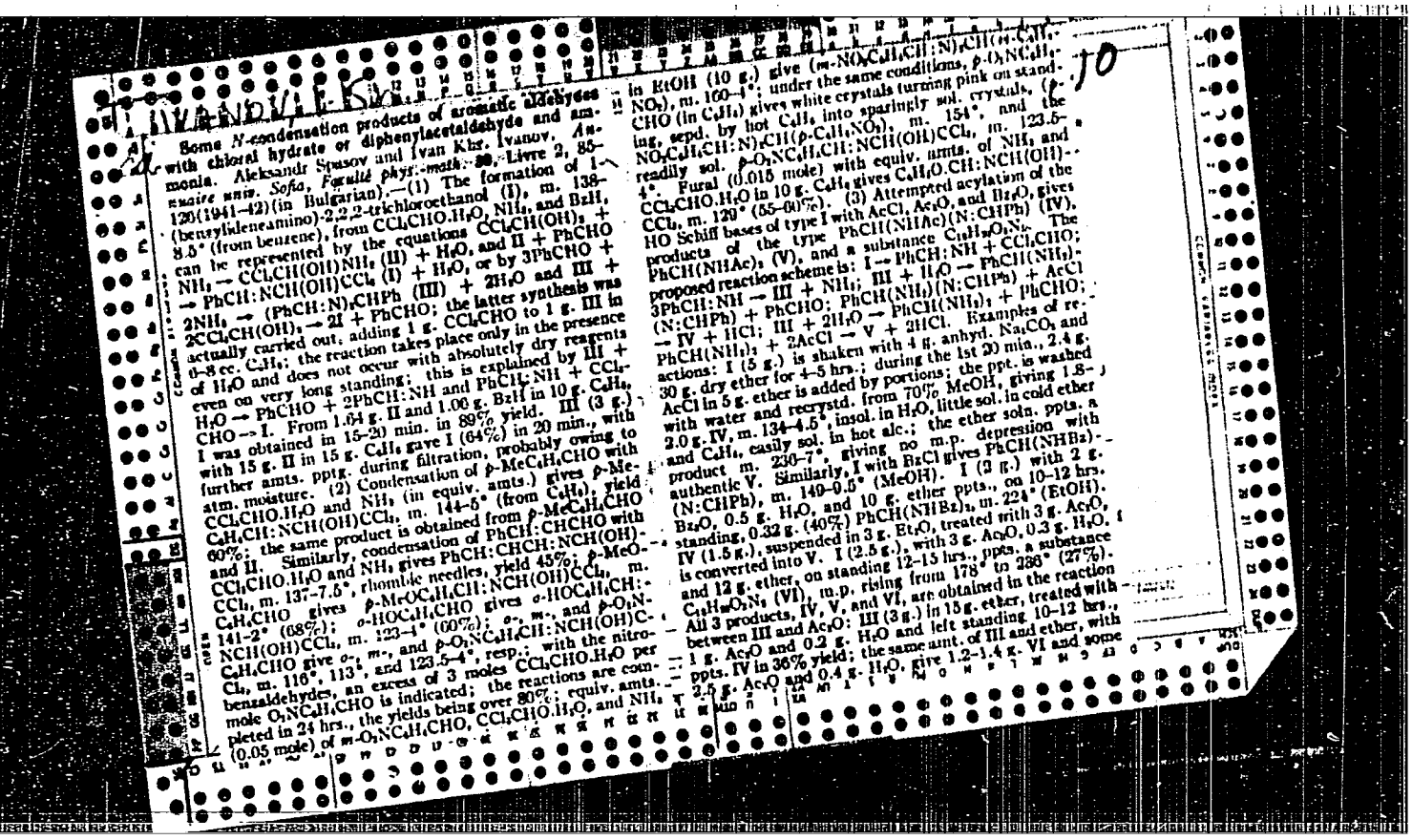
SUB CODE: 13/ SUBM DATE: 09Jul64

Card 2/2

[illegible], I. .

Arrangement and maintenance of marine gas-and-oil engine
Moskva, Izd-vo Ministerstva rechnogo flota
SSSR, 1952. 10 p. (54-13405)

VM770.I7



Some *N*-condensation products of aromatic aldehydes with chloral hydrate or diphenylacetaldehyde and ammonia. Aleksandr Spasov and Ivan Khr. Ivanov. *Annuaire univ. Sofia, Faculté phys.-math.* 38, Livre 2, 85–120(1941–42)(in Bulgarian).—(1) The formation of 1-(benzylideneamino)-2,2,2-trichloroethanol (I), m. 138–8.5° (from benzene), from $CCl_3CHO.H_2O$, NH_3, and BzH, can be represented by the equations $CCl_3CH(OH)_2$ + NH_3 → $CCl_3CH(OH)NH_2$ (II) + H_2O, and II + PhCHO → PhCH:NCH(OH)CCl_3 (I) + H_2O, or by 3PhCHO + $2NH_3$ → $(PhCH:N)_2CHPh$ (III) + 2I + H_2O and III + $2CCl_3CH(OH)_2$ → 2I + PhCHO; the latter synthesis was actually carried out, adding 1 g. CCl_3CHO to 1 g. III in 0–8 cc. C_6H_6; the reaction takes place only in the presence of H_2O and does not occur with absolutely dry reagents even on very long standing; this is explained by III + H_2O → PhCHO + 2PhCH:NH and PhCH:NH + CCl_3-CHO → I. From 1.04 g. II and 1.06 g. BzH in 10 g. C_6H_6, I was obtained in 15–20 min. in 89% yield. III (3 g.) with 15 g. II in 15 g. C_6H_6 gave I (64%) in 20 min., with further amts. pptg. during filtration, probably owing to atm. moisture. (2) Condensation of *p*-MeC_6H_4CHO with $CCl_3CH(OH)_2$ and NH_3 (in equiv. amts.) gives *p*-MeC_6H_4-CH:$NCH(OH)CCl_3$, m. 144–5° (from C_6H_6), yield 60%; the same product is obtained from *p*-MeC_6H_4CHO and II. Similarly, condensation of PhCH:CHCHO with $CCl_3CH(OH)_2$ and NH_3 gives PhCH:CHCH:NCH(OH)-CCl_3, m. 137–7.5°, rhombic needles, yield 45%; *p*-MeO-C_6H_4CHO gives *p*-$MeOC_6H_4CH$:$NCH(OH)CCl_3$, m. 141–2° (68%); *o*-HOC_6H_4CHO gives *o*-HOC_6H_4CH:-$NCH(OH)CCl_3$, m. 123–4° (60%); *o*-, *m*-, and *p*-$O_2NC_6H_4$-CH:$NCH(OH)CCl_3$ give *o*-, *m*-, and *p*-$O_2NC_6H_4CH$:$NCH(OH)C-Cl_3$, m. 116°, 113°, and 123.5–4°, resp.; with the nitrobenzaldehydes, an excess of 3 moles $CCl_3CHO.H_2O$ per mole $O_2NC_6H_4CHO$ is indicated; the reactions are completed in 24 hrs., the yields being over 80%; equiv. amts. (0.05 mole) of *m*-$O_2NC_6H_4CHO$, $CCl_3CHO.H_2O$, and NH_4-in EtOH (10 g.) give (*m*-$NO_2C_6H_4CH$:$N)_2CH(m$-C_6H_4-NO_2), m. 160–4°; under the same conditions, *p*-$O_2NC_6H_4$-CHO (in C_6H_6) gives white crystals turning pink on standing, sepd. by hot C_6H_6 into sparingly sol. crystals, (*p*-$NO_2C_6H_4CH$:$N)_2CH(p$-$C_6H_4NO_2)$, m. 154°, and the readily sol. *p*-$O_2NC_6H_4CH$:$NCH(OH)CCl_3$, m. 123.5–4°. Fural (0.015 mole) with equiv. amts. of NH_3 and $CCl_3CHO.H_2O$ in 10 g. C_6H_6 gives $C_6H_3O.CH$:$NCH(OH)$-CCl_3, m. 120° (55–60%). (3) Attempted acylation of the HO Schiff bases of type I with AcCl, Ac_2O, and BzH_2O, gives products of the type PhCH(NHAc)(N:CHPh) (IV), PhCH(NHAc)$_2$ (V), and a substance $C_{18}H_{18}O_2N_2$. The proposed reaction scheme is: I → PhCH:NH + CCl_3CHO; 3PhCH:NH → III + NH_3; III + H_2O → PhCH(NH$_2$)-(N:CHPh) + PhCHO; PhCH(NH$_2$)(N:CHPh) + AcCl → IV + HCl; III + $2H_2O$ → PhCH(NH$_2$)$_2$ + PhCHO; PhCH(NH$_2$)$_2$ + 2AcCl → V + 2HCl. Examples of reactions: I (5 g.) is shaken with 4 g. anhyd. Na_2CO_3 and 30 g. dry ether for 4–5 hrs.; during the 1st 20 min., 2.4 g. AcCl in 5 g. ether is added by portions; the ppt. is washed with water and recrystd. from 70% MeOH, giving 1.8–2.0 g. IV, m. 134–4.5°, insol. in H_2O, little sol. in cold ether and C_6H_6, easily sol. in hot alc.; the ether soln. ppts. a product m. 230–7°, giving no m.p. depression with authentic V. Similarly, I with BzCl gives PhCH(NHBz)-(N:CHPh), m. 149–0.5° (MeOH). I (2 g.) with 2 g. Bz_2O, 0.5 g. H_2O, and 10 g. ether ppts., on 10–12 hrs. standing, 0.32 g. (40%) PhCH(NHBz)$_2$, m. 224° (EtOH). IV (1.5 g.), suspended in 3 g. Et_2O, treated with 3 g. Ac_2O, is converted into V. I (2.5 g.), with 3 g. Ac_2O, 0.3 g. H_2O, and 12 g. ether, on standing 12–15 hrs., ppts. a substance $C_{18}H_{18}O_2N_2$ (VI), m.p. rising from 178° to 236° (27%). All 3 products, IV, V, and VI, are obtained in the reaction between III and Ac_2O: III (3 g.) in 15 g. ether, treated with 1 g. Ac_2O and 0.2 g. H_2O and left standing 10–12 hrs., ppts. IV in 36% yield; the same amt. of III and ether, with 2.5 g. Ac_2O and 0.4 g. H_2O, give 1.2–1.4 g. VI and some

IV. (4) The bases of type I are suitable for purposes of identification of aromatic aldehydes and their sepn. from aliphatic aldehydes, which form no cryst. products with CCl_3CHO and NH_3; thus, PhCHO can be detected in the presence of a 7:1 excess of EtCHO and a 4:1 excess of PrCHO. (5) Detns. of mol. wt., M, of the type I bases give correct values only in low-melting solvents (e.g., $PhNMe_2$, $PhNO_2$); the values are distinctly too low in higher-melting solvents (Ph_2NH, $C_{14}H_{10}$, phenanthrene); this may be ascribed to a dissocn., I ⇌ PhCH:NH + CCl_3CHO, borne out by the concn. dependence of M; thus, I in $C_{14}H_{10}$, 0.7, 2.5, and 4.5%, gives an M of 245, 257, and 276, resp. (true M, 279). (6) Condensations of Ph_2CHCHO (VII) with aromatic aldehydes and NH_3 lead to several well-defined products. Without solvent, VII 4 g., PhCHO 3.1 g., and 25% NH_4OH 1.6 g. (0.02:0.03:0.03 mol.) gave Ph_2C:CHNHCH:CPh_2 (VIII), m. 144–5°. In C_6H_6 (15 g.), 5.8 g. VII, 3.1 g. PhCHO, and 5 g. 25% NH_4OH gave, besides some VIII, mainly PhCH:NCH:CPh_2 (IX), yellow needles, m. 131–2° (36%), insol. in H_2O, little sol. in ether and alc. IX (2 g.) in 6 g. ether with 6 g. Ac_2O and 1 g. H_2O gives, after 24 hrs., Ph_2C:$CHNH_2$, m. 163–4° (35–40%). VII (5 g.) with 10 cc. 25% NH_4OH gives VIII (40–50%). VII (2 g.) in 10 g. C_6H_6 with 3.2 g. CCl_3CHO.H_2O and 1 g. concd. NH_4OH pptd., after 15–20 min., a product, m. 109–11° (EtOAc), which is hydrolyzed by HCl into CCl_3CHO, NH_3, and VIII, and is thus assumed to be CCl_3CH:NCH(OH)$CHPh_2$.

N. Thon

IVANOV, I.K.

All-Union Interdepartmental Conference on the Study of the Quaternary Period. Biul.Kom.chetv.per. no.23:112-114 '59.
(Geology, Stratigraphic)

USSR/Human and Animal Morphology - (Normal and Pathological). S
Circulatory System.

Abs Jour : Ref Zhur Biol., No 11, 1958, 50243

Author : Ivanov, I.K.

Inst : Novosibirsk Medical Institute

Title : Measurement of Orthodiagraphic Dimensions of the Heart and Vascular Fasciculus by Means of a Plumb Line

Orig Pub : Tr. Novosibirskogo med. in-ta, 1957, 27, 312-315

Abstract : A method which allows one to carry out orthographic measurements of the heart and the vascular fasciculus by means of an ordinary x-ray apparatus without a special orthodiagraph is described. -- M.A. Khurges

Card 1/1

IVANOV, I. K,

"Results of Testing Thiodiphenylamine on Rice Fields at Flowering Time", Med. Paraz. i Paraz. Bolez., Vol. 17, No. 1, pp 90-91, 1948.

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21015 Ivanov I.K. Vliyaniye prosushki pochvy na lichinok Anophelel. Izvestiya Akad. Nauk Kazakh. SSR. No. 44, Seriya Parazitol, vyp. 6, 1948, s.70-75--Rezyume Na Kazakh Yaz-Bibliogr 6 Nazv.

SO: LETOPIS ZHURNAL STATEY- Vol. 28, Moskva, 1949

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21016 Ivanov, I.K. Vodnyy tsiki razvitiya Anopheles maculipennis v. sacharovi v. Postoyannykh vodoyemakh i risovykh polyakl syr-Dar'inskogo Rayoma Izvestiya Akad Nauk Kazakh SSR No. 44, Seriya parazitol, vyp. 6, 1948, s. 76-84--Rezyume Na. Kazakyaz

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21585 IVANOV, I. K. Materialy K poznanyu Flory i Fauny risovykh poley Syr- dar'inskogo rayona Kzyl- Ordinskoy oblasti. (K probleme is Pol' zovaniya v Rybokhoz. otnoshenii) Izvestiya Akad. Nauk kazakh. SSR, No. 63, Seriya Zool., Vyp. 8, 1948, s. 176-85 — Rezyume Na Kazakh. Yaz — Bibliogr: 6 Nazv.

SO: Letopis' Zhurnal'nykh Statey, No. 29, Moskva, 1949

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Ivanov, I. K. "Thiodiphenylamine as a larvicide against the grubs of Anopheles," Zdravookhraneniye Kazakhstana, 1949, No. 1, p. 23-24.

SO: U-3736, 21 May 53, (Letopis 'Zhurnal 'nykh Statey, No. 17, 1949).

IVANOV, I. KH.

USSR/Parasitology - Acarina and Insect-Vectors of Disease C-
Pathogens.

Abs Jour : Ref Zhur - Biol., No 5, 1958, 19664

Author : Ivanov, I. Kh.
Inst :
Title : Migration of Suslik Fleas from Burrows Through Earth Plugs.

Orig Pub : Tr. Rostovsk. n./D. gos. n.-i. protivochumn. in-ta, 1956, 10, 470-474

Abstract : Migration toward burrow exits of suslik fleas (species not mentioned) through earth plugs slightly rammed of 5 to 20 cm in height was tracked. Observations were conducted from the end of May to the beginning of July 1951 at 8 burrows, into each of which 100 fleas were put in a section of vertical passages artificially isolated from deep portions of the burrow and separated from the entrance openings by earth plugs. The migrating insects were caught at burrow exits by Tiflon and Potapov devices for a period

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MIRONOV, N.P.; TINKER, I.S.; SHISHKIN, A.K.; SHIRANOVICH, P.I.; VAL'KOV, B.G.; IVANOV, I.Kh.; KARPUZIDI, K.S.; KLIMCHENKO, I.Z.; SHIRYAYEV, D.T.

Contemporary status of the plague focus in the northwestern Caspian Sea region and problems in its further study. Sbor. nauch. rab. Elist. protivochum. sta. no. 1:19-29 '59.
(MIRA 13:10)

(CASPIAN SEA REGION--PLAGUE)

IVANOV, Iordan, K. (Narodnaya Respublika Bolgarii); SVESHNIKOV, B.Ye. [translator]

Controlled nutrition of grapevine ovaries for the development of new forms. Agrobiologiia no.1:69-76 Ja-F '64 (MIRA 17:8)

1. Nauchno-issledovatel'skiy institut vinogradarstva i vinodeliya, Pleven, Narodnaya Respublika Bolgarii.

NISNEVICH, Mark L'vovich; RAT'KOVSKIY, Leonid Petrovich; KLASSEN, V.I., prof., doktor tekhn. nauk, retsenzent; KHOLIN, N.D., prof., retsenzent; RODIN, R.A., kand. tekhn. nauk, retsenzent; BOGOSLOVSKIY, V.A., inzh., retsenzent; IVANOV, I.K., inzh., retsenzent; TROITSKIY, A.V., inzh., nauchnyy red.; MIKHAYLOV, B.V., kand. tekhn. nauk, nauchn. red.; GOMOZOVA, N.A., red.izd-va; SHERSTNEVA, N.V., tekhn. red.

[Dressing nonmetallic building materials] Obogashchenie nerudnykh stroitel'nykh materialov. Moskva, Gosstroiizdat, 1963. 282 p. (MIRA 17:2)

IVANOV, I. K.

ORE MINING INDUSTRY AND METALLURGY. Minno Delo (Mining), #12:Dec 54

IVANOV, I. K.

For a 600 Ton Coal Output (during 24 hours) on a Wide Front. Minno Delo (Mining), #12:23:Dec 54

IVANOV, I.K., inzhener.

For a daily production of 600 tons of coal per stope. Ugol' 29 no.9:39-40 S '54. (MLRA 7:11)
(Coal mines and mining)

IVANOV, I.K., otv.red.; FROLOVA, Ye.I., red.izd-va; PROZOROVSKAYA, V.A., tekhn.red.; SHKLYAR, S.Ya., tekhn.red.

[Album of equipment for the mechanization of auxiliary labor-consuming operations in coal mines] Al'bom oborudovaniia dlia mekhanizatsii vspomogatel'nykh trudoemkikh protsessov na ugol'nykh shakhtakh. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu, 1960. 99 p. (MIRA 13:12)

1. Moscow. Gosudarstvennyy proyektno-konstruktorskiy i eksperimental'nyy institut ugol'nogo mashinostroyeniya.
(Coal mines and mining--Equipment and supplies)

IVANOV, Ivan K., inzh.

From the experience of the "Bogdan" State Industrial Enterprise, city of Klisura, as to the use of beech cuttings for the manufacture of retort carbon. Durvomebel prom 7 no.2/3:53-55 Mr-Je '64.

1. Chief Engineer, "Bogdan" State Industrial Enterprise, Klisura.

SAMSONOV, Georgiy Nikiforovich; EL'KIN, Iosif Lazarevich; MERKULOV, Nikolay Yakovlevich; BOGUTSKIY, Nikolay Vasil'yevich; KAZAKOV, Stanislav Semenovich; IVANOV, Ivan Konstantinovich; ABRAMOV, V.I., inzh., otv. red.

[The K-52M (1K-52M) narrow-cut cutter-loader] Uzkozakhvatnyi kompleks K-52M (1K - 52M). Moskva, Nedra, 1964. 207 p. (MIRA 18:4)

[redacted], [redacted]

Poultry Breeding-Moldavia

35,000 Chickens in excess of plan. Sots. zhiv. 14, no. [illegible], 1953.

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

Ivanov, I. M.

Name: IVANOV, I. M.

Dissertation: Ways of improving the quality of check row planting and the economic effectiveness of the SKG-6 planter

Degree: Cand Agr Sci

Defended at Publication

~~Affiliation~~: Moscow Order of Lenin Agricultural Acad imeni K. A. Timiryazev

~~Defense~~ Date, Place: 1956, Moscow

Source: Knizhnaya Letopis', No 47, 1956

USSR/Cultivated Plants - Potatoes, Vegetables, Melons. M-3

Abs Jour : Ref Zhur - Biol., No 3, 1958, 10824

Author : Ivanov, I.M.
Inst :
Title : Growing Early Cabbage Seeds.

Orig Pub : Inform. bul. Gos. komis. po sortoispyt. s.-kh. kul'tur pro M-ve s. kh. SSSR, 1957, No 2, 10-11

Abstract : The Upper Mullinsk variety plot, Molotovskaya oblast', has investigated a new method of growing early cabbage seed. The cabbage stumps left after the first harvest of cabbage heads are used as seed plants. They are harvested in October together with the roots and stored in potato storage bins. In spring the styles are set out. In 1956, three kilograms of seed were acquired from every 100 styles of the Zolotoy gektar 1432 variety; this new technique is recommended for mass introduction into production.

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IVANOV T. M.

USSR/Biology - Trees, Planting
Soil Conservation

May/Jun 50

"Planting Timber Belts by the Cluster Method,"
I. M. Ivanov

"Agrobiol" No 3, pp 130-137

Results in planting timber shelter belts in 1949 on edges of fields of Kyubyshev Oblast. Checks effect of period when planting occurs and presence of cover crop on sprouting and growth of seedlings. Four tables.

170T5

IVANOV, Iv. M.

Observations on tuberculin allergy among students in Krumovgrad.
Suvrem. med., Sofia 9 no.2:69-76 Feb 58.
(TUBERCULIN REACTION, statist.
in Bulgarian students (Bul))

IVANOV, I. M.; SHIKOV, A. A.

Vegetable Gardening

-

9. Monthly List of Russian Accessions, Library of Congress, May 1952, Uncl.

SHUKAN, Ye.P.; IVANOV, I.M.

Industrial flotation of barite with an oxidized petroleum fraction.
TSvet. met. 34 no.3:10-14 Mr '61. (MIRA 14:3)
(Flotation—Equipment and supplies) (Barite)

ACCESSION NR: AP4041156 S/0020/64/156/004/0888/0890

AUTHOR: Nikolayev, A. V.; Ivanov, I. M./ Yakovlev, I. I.

TITLE: Phase equilibria in the UO sub 2 SO sub 4 - H sub 2 O - BEDPA and H sub 2 SO sub 4 - H sub 2 O - BEDPA systems

SOURCE: AN SSSR. Doklady*, v. 156, no. 4, 1964, 888-890

TOPIC TAGS: uranyl sulfate, extraction, dibutylphosphinic acid butyl etherate, phase diagram, solubility, uranyl sulfate containing system

ABSTRACT: Phase diagrams were constructed for the uranyl sulfate - water - butyl ester of dibutylphosphinic acid (BEDPA - $C_4H_9OPO(C_4H_9)_2$) and sulfuric acid - water - BEDPA systems which constitute the quaternary extraction system for uranium VI salts (figs. 1 and 2). The extraction can be effected only in the narrow area A. The disolvate $UO_2SO_4 \cdot 2BEDPA$ is very stable in water; only in excess water will it break up into 2 liquid phases - an aqueous phase containing 1.8% uranyl sulfate and an organic phase with 10.2% UO_2SO_4, 16.6% H_2O and 73.2% BEDPA. BEDPA is completely miscible with H_2SO_4 starting with approximately 88% acid. The binodal of the ternary system (fig. 2) is characteristic of organic systems having no chemical

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ACCESSION NR: AP4041156

reaction. Orig. art. has: 3 tables and 2 figures.

ASSOCIATION: Institut neorganicheskoy khimii, Sibirskogo otdeleniya Akademii nauk SSSR(Institute of Inorganic Chemistry, Siberian Department Academy of Sciences SSSR)

SUBMITTED: 02Mar64 ENCL: 02

SUB CODE: GC NO REF SOV: 007 OTHER: 006

Card 2/4

ACCESSION NR: AP4041156 ENCLOSURE: 01

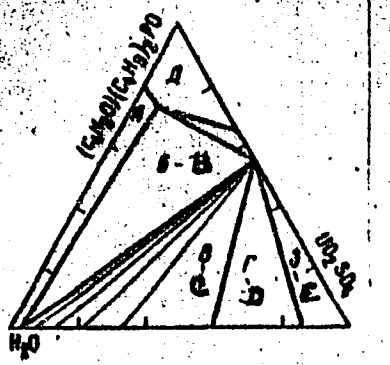

Fig. 1. Solubility diagram of the UO_2SO_4 - H_2O - $C_4H_9OPO(C_4H_9)_2$ system at 25C.
A - area of separation of the aqueous and organic solutions of uranyl sulfate;
B - nonvariant area: solid disolvate, organic phase aqueous solution
C - area of equilibrium of disolvate with aqueous phase;
D - area of equilibrium of solid disolvate, trihydrate and saturated aqueous solution; E - area of coexistence of solid disolvate & saturated organic phase

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ACCESSION NR: AP4041156

ENCLOSURE: 02

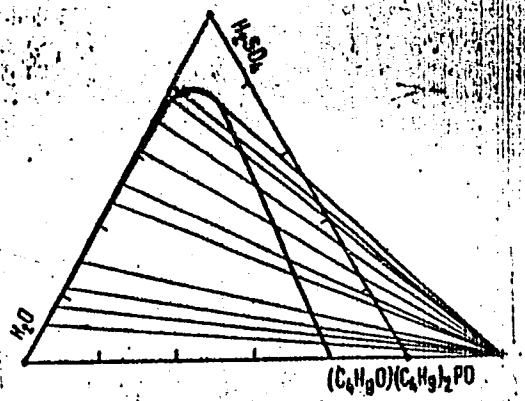

Fig. 2. Solubility diagram of the H_2SO_4 - H_2O - $C_4H_9OPO(C_4H_9)_2$ system at 25C.

Card 4/4

IVANOV, Ivan Markelovich. Ledianaia zona: Fiziko-geograficheskoe opisanie poliarnogo sektora SSSR. Arkhangel'sk, Sevkraigiz, 1933. 116 p.

SO: LC, Soviet Geography, Part I, 1951, Uncl.