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Reel #511

Shilov, Ye. O.

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

SHILOV, Ye.O. [Shylov, IE.O.], akademik

Using isotopes in scientific experiments. Nauka i zhyttia 8 no.4:51-52 Ap '58. (MIRA 13:5)

1. AN USSR.

(Isotopes)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

SHILOV, Ye.A.; BOGDANOV, M.N.

Rearrangement of salts of aromatic sulfonic acids. Ukr. khim. zhur. 24 no. 2:232-235 '58. (MIRA 11:6)
(Sulfonic acids)
(Rearrangements(Chemistry))

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

SHILOV, Ye.A.

Reply of A.I. Titov and F.L. Makliaev to my "Remarks". Ukr. khim. zhur. 24 no.4:487-488 '58. (MIRA 11:10)
(Chemical reactions)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

AUTHORS: Vaynshteyn, F. M., Shilov, Ye. A.

79-28-3-49/61

TITLE: The Sulfolysis of the Sulfo Groups of Aromatic Sulfo Acids (Sul'foliz sul'fogrupp aromaticheskikh sul'fokislot)

PERIODICAL: Zhurnal Obshchey Khimii, 1958, Vol. 28, Nr 3, pp. 782-787 (USSR)

ABSTRACT: The investigation of the migration of the sulfo group showed that these reactions take place predominantly by the hydrolysis of the sulfo acid and the subsequent sulfonation of the formed aromatic compounds. Cases are known, however, where the regrouping of the sulfo group takes place also in water-free sulfuric acid and even in oleum, i.e. under conditions excluding hydrolysis. The opinion of some researchers that this fact must be attributed to an intramolecular migration mechanism of the sulfo groups is not accepted by the authors because of stereochemical considerations: Thus it is, for instance, improbable that the sulfo groups of 1,5 naphtalene disulfo acid could regroup in the positions 2 and 7 without losing their bond with the aromatic nucleus just for one moment, the more, as in the absence of water other anionides could accept

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the rôle of an acceptor of the molecule $SO_3$. In isolated cases sulfuric acid and its anion can bind $SO_3$ forming pyrosulfuric acid and the anion $HS_2O_7^-$. This way the migrations of the sulfo group could intramolecularly not take place as hydrolysis but as sulfolysis. The authors decided to prove this assumption by using the sulfur $S^{35}$ as radioactive indicator. Sulfo acids, which could no further be sulfonated had to be used as an entrance of the radioactive sulfogroups into the unoccupied positions of the molecule, could have made more difficult the analysis of the reaction processes. The choice fell to the 2,4,6-toluenetrisulfo acid (TTA) and 2,4,6-phenoltrisulfo acid (PTA). Either of these two acids was heated with the radioactive fuming sulfuric acid, or, the other way round, the radioactive sulfo acid was heated with the nonradioactive oleum. Then the radioactivity of the separated and purified trisulfo acid or of the $H_2SO_4$ was determined in the reaction products. It was shown that the substitution of the sulfo groups with TTC takes place in two stages: I - by substituting the $HO_3S$-groups by H(sulfolysis), and II - by sulfonating the product of sulfolysis to the TTC. With increasing content of $SO_3$ in the sulfuric acid the stage I is slowed down and stage II is



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The Sulfolysis of the Sulfo Groups of Aromatic Sulfo Acids 79-28-3-49/61

accelerated. The velocity of the substitution of the $HO_3S$--groups does not depend on the concentration of the $SO_3$--group in sulfuric acid. In the sulfolysis PTA the sulfo group of this molecule seems to represent among the protons the nucleophil proton.
There are 4 figures, 1 table, and 6 references, 2 of which are Soviet.

ASSOCIATION: Institut organicheskoy khimii Akademii nauk - SSSR (Institute for Organic Chemistry, AS USSR)

SUBMITTED: March 5, 1957

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APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

20-119-4-30/60

AUTHORS: Kozinenko, I. K., Shilov, Ye. A., Member AS Ukrainian SSR

TITLE: The Kinetics and the Mechanism of the Oxidation of Alcohols and Aldehydes by Active Chlorine ( Kinetika i mekhanizm okisleniya alkogoley i al'degidov aktivnym khlorom)

PERIODICAL: Doklady Akademii Nauk SSSR, 1958, Vol. 119, Nr 4, pp. 737 - 740 (USSR)

ABSTRACT: In the course of the present work meta-sulfobenzyl alcohol and meta-sulfobenzaldehyde are used (in form of sodium salts), because these compounds make the observation of the oxidation of the alcohol group or the aldehyde group by active chlorine in an aqueous solution in a pure state possible. The first chapter deals with the oxidation of meta-sulfobenzyl alcohol. In the case of a constant pH value and a larger surplus of meta-sulfobenzyl alcohol the decrease of the titer of active chlorine in the presence of buffer salt obeys the monomolecular equation, which fact points in the direction of a logarithmic anamorphosis. On the other hand, reaction velocity is nearly exactly proportional to the concentration of sulfoalcohol and can, in the general

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

The Kinetics and the Mechanism of the Oxidation of Alcohols and Aldehydes by Active Chlorine 20-119-4-30/60

hyperchlorous acid acts as a weakly oxidizing agent. After pH ~ 4 the velocity of r action at first increases, but, in contrast to the oxidati n of alcohol, it does not pass through a maximum but attains a constant value which does not change within the interval of pH values from 8 to 13. The anions of the salts of the buffer mixture catalyze the reaction. The general kinetic equation for this reaction is explicitly written down and is discussed in short. The last part of this work contains some data concerning the production of samples and the carrying out of experiments. There are 2 figures, 1 table and 9 references, 5 of which are Soviet.

ASSOCIATION: Kiyevskiy politekhnicheskiy institut (Kiyev Polytechnic Institute) Institut organicheskoy khimii Akademii nauk USSR (Institute of Organic Chemistry AS Ukrainian SSR)

SUBMITTED: November 1o, 1957

Card 3/3

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

5(2,3) SOV/20-123-1-24/56

AUTHORS: Vaynshteyn, F. M.,
Shilov, Ye. A., Member, Academy of Sciences, UkrSSR

TITLE: Kinetic Isotopic Effect on the Iodination Reaction of Aromatic Amines (Kineticheskiy izotopnyy effekt v reaktsiyakh yodirovaniya aromaticheskikh aminov)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol 123, Nr 1, pp 93-96 (USSR)

ABSTRACT: It was recently proved (Ref 1) that the introduction of iodine into the aromatic dialkyl-amino-sulfo acids is described by a three-molecular kinetic equation:

$$-\frac{d(J)}{dt} = k_1[M]^2\,[X] + k_2[M]\,[X]\,[B] ,$$

(1), where M is the anion of the mentioned acid, B the basic component of the buffer mixture and X the iodine cation or the iodine molecule. It can be seen from equation (1) that either the base B or the second amine molecule take part in the iodination mechanism. This phenomenon might be explained by two ways: A. The base acts as a proton acceptor (see scheme). B. A complex of the following composition acts as iodinating

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agent: X. . .$NR_2Ar$ or in buffer solutions X . . . B (see scheme). In this case either a water molecule (as given in the scheme) or another base might serve as a proton acceptor. Both scheme A and B cannot be distinguished kinetically, it is, however, possible to choose between them by using the determinations of the isotopic effect in substituting iodine for hydrogen. If the reaction follows the mechanism A, an isotopic effect will be seen. If the mechanism B becomes effective, the isotopic effect is not necessary. The iodination, however, can proceed according to mechanism B also with isotopic effect, provided that the dissociation rate of the proton is comparable to the formation rate of the intermediate quinoid complex. In order to be able to decide upon the arising alternative, the authors have studied the iodination kinetics of several aromatic amines, amino carbons and amino-sulfo acids (Table 1). At the same time, the kinetic isotopic effect was determined by comparing the constants of the iodination rates in ordinary amino compounds and such containing deuterium. Apart from some



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Kinetic Isotopic Effect on the Iodination Reaction of Aromatic Amines

SOV/20-123-1-24/56

special cases the rate of iodination of the compounds investigated followed equation (1). For primary amines and for methyl aniline X means the iodine-cation (hydrated or in complex with an amine). The iodination of the tertiary amino compounds proceeds by two ways: by $J^+$ and by $J_2$ (or by the complexes of the latter with amines). The basic results are given in table 1 and figure 1. As can be seen from the data in table 1 and from the curve 4 in figure 1, the iodination reaction proceeds in some cases without any isotopic effect. This is the case in 3 dimethyl-amino-benzene-sulfo acids. The 2,4,6-tri-deutero-m-dimethylamine benzoate ion is iodinated somewhat slower than its light compound. Regarding the remaining compounds, iodination proceeds with a considerable isotopic effect (of 3 up to 4.8). To this group belong various primary and secondary amines and salts of amino-sulfo- as well as aminocarbonic acids which contain a primary amino group. The paper concludes with an attempt of interpreting the obtained results. There are 1 figure, 2 tables, and 12 references,

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Kinetic Isotopic Effect on the Iodination Reaction of Aromatic Amines SOV/20-123-1-24/56

3 of which are Soviet.

ASSOCIATION: Institut organicheskoy khimii Akademii nauk USSR (Institute of Organic Chemistry of the Academy of Sciences, UkrSSR)

SUBMITTED: July 24, 1958

Card 4/4

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

SOV/63-4-1-18/31

5(3)

AUTHORS: Shilov, Ye.A., Member of the UkrSSR Academy of Sciences, ~~Vorozhtsov, N.N.,~~ Corresponding Member of the USSR Academy of Sciences

TITLE: The London Symposium on Theoretical Organic Chemistry (Londonskiy simpozium po teoreticheskoy organicheskoy khimii)

PERIODICAL: Khimicheskaya nauka i promyshlennost', 1959, Vol 4, Nr 1, pp 121-122 (USSR)

ABSTRACT: The British Chemical Society organized a symposium on September 15-17, 1958, in London. The symposium was attended by more than 850 chemists from various countries, among them three from the USSR: the authors of this article and the Member-Correspondent of the USSR Academy of Sciences O.A. Reutov.

ASSOCIATIONS: AN UkrSSR (Academy of Sciences of the UkrSSR). AN SSSR (USSR Academy of Sciences)

Card 1/1

VYVAL'KO, I.G.; DUSHECHKIN, A.I. [deceased]; LUSHCHEVSKAYA, G.M.; MATKOVSKIY, K.I.; SAVINOV, B.G.; SHILOV, Ye.A.; YASNIKOV, A.A.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-

Biosynthesis of carotene. Vitaminy no.[illegible] (MIRA 12:9)

1. Institut organicheskoy khimii Akademii nauk USSR i Institut zemledliya Ministerstva sel'skogo khozyaystva USSR, Kiyev.
(CAROTENE)

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

SOV/21-59-6-15/27

5 (

AUTHORS: Shilov, Ye. O., (Shilov, Ye. A.) Academician of the AS UkrSSR, and Dvorko, H. F. ~~(Dvorko, G. F.)~~

TITLE: Kinetics and Mechanism of Mercury Chloride Addition to the Triple Bond in the Presence of Lithium Chloride in Methanol

PERIODICAL: Dopovidi Akademii Nauk Ukrains'koi RSR, 1959, Nr 6, pp 636 - 641 (USSR)

ABSTRACT: The authors studied the kinetics of addition of $HgCl_2$ in the precence of LiCl to certain acetylene derivatives in methanol at 50°C, in soldered ampules contained in a thermostat. It was found that $HgCl_2$ does not add to phenylacetylene. Methyl ethers of phenylpropylic and n-nitrophenylpropylic acids react very slowly. $HgCl_2$ is added to methyl ethers of propylic and acetylendicarbonic acids at a measurable rate. $HgCl_2$ is added to propylic ether at a rate about four times faster than to acetylendicarbonic ether under similar conditions. For acetylendicarbonic ether, the reaction is complicated by simultaneous nucleophilic addition of NCl.

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

SOV/21-59-6-15/27

Kinetics and Mechanism of Mercury Chloride Addition to the Triple Bond in the Presence of Lithium Chloride in Methanol

The reaction rate of $HgCl_2$ addition is monomolecular in an unsaturated compound. On doubling the $HgCl_2$ concentration the reaction rate increases less than twice, and in case of LiCl, more than twice. The kinetic results of examinations of addition of $HgCl_2$ to methyl ethers of propylic acid are shown in Figures 1 and 2, where "a" is ether concentration in mol/l; "B" is $HgCl_2$ concentration in mol/l; "c" is LiCl concentration in mol/l. Figures 3 and 5 show the speed of addition of $HgCl_2$ to dimethyl ether of acetylendicarbonic acid (7 investigations). Figure 4 shows the speed of nucleophilic addition of HCl to the same ether. Figure 6 shows dependence of the solubility of $HgCl_2$ in $CH_3OH$ on the LiCl concentration at 30, 40 and 50°C. Allowing for the presence in the solution of the equilibrium $HgCl_2 + LiCl \rightleftharpoons HgCl_3^- + Li^+$, a tetramolecular kinetic equation is proposed for describing the rate of the $HgCl_2$

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

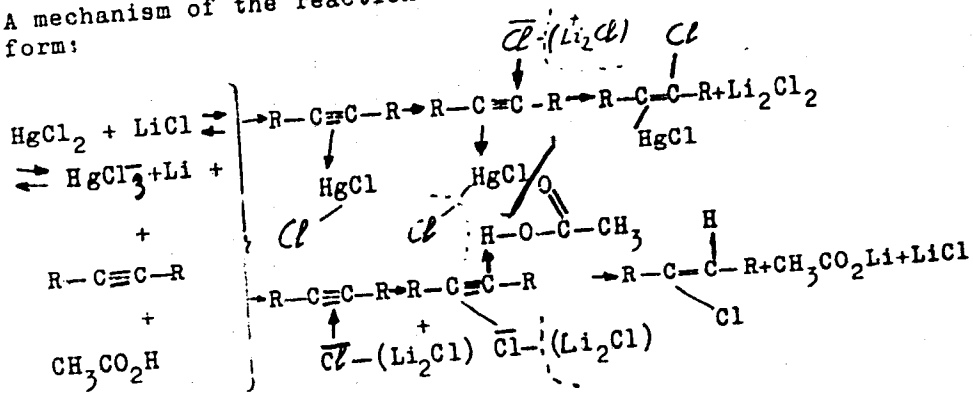
SOV/21-59-6-15/27

Kinetics and Mechanism of Mercury Chloride Addition to the Triple Bond in the Presence of Lithium Chloride in Methanol

addition reaction:

$$v = k_4 [R-C\equiv C-R][HgCl_2][LiCl]^2.$$

A mechanism of the reaction is expressed in the following form:

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

SOV/21-59-6-15/27

Kinetics and Mechanism of Mercury Chloride Addition to the Triple Bond in the Presence of Lithium in Methanol

There are 6 graphs and 4 references, 3 of which are Soviet and 1 American

ASSOCIATION: Institut organicheskoy khimii AN UkrSSR (Institute of Organic Chemistry of the AS UkrSSR)

SUBMITTED: February 3, 1959

Card 4/4

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

[illegible]OV, [illegible]; YA[illegible]KOV, A.

Structure of the tribromophenol bromide. In Russian. p.63

[illegible] CHIMICA. (Magyar Tudomanyos Akademia) Budapest. Hungary
Vol. 21, no. 1. 1959.

Monthly list of East European Accessions (EEAI) LC Vol. [illegible], no. [illegible], Feb. 1960
[illegible]

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

17(3)

AUTHORS: Shilov, Ye. A., Academician of the AS UkrSSR, Yasnikov, A. A. SOV/20-124-2-61/71

TITLE: On the Part Alanine Plays in Biosynthetic Processes in Plants (Ob uchastii alanina v biosinteticheskikh protsessakh v rasteniyakh)

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 124, Nr 2, pp 459 - 461 (USSR)

ABSTRACT: Alanine belongs to the substances forming during the initial stages of photosynthesis in plants (Ref 1). Little is known about its further transformations, especially about the problem mentioned in the title. It is a remarkable fact that in the liver and the kidneys alanine may be a better donor of acetyl groups than acetic-, lactic- and pyruvic acid (Refs 3, 4). Alanine is of greatest importance as an intermediate product in the formation of rubber and carotene in Kok-Sagyz (a rubber producing type of composite flowers from Central Asia) (Ref 5), as well as of fats in linseed (Ref 6). Experiments proved that the alanine-2-$C^{14}$ or -3-$C^{14}$ introduced

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through leaves or roots can provide rubber with a higher radioactivity than it is the case with radioactive acetic acid or saccharides etc, under the same conditions. This holds also for carotene which, however, becomes also radioactive in the case of introduction of marked acetic acid. If, however, carbon in the alanine molecule in the carboxyl group is marked neither rubber nor carotene become remarkably radioactive. Figures 1 and 2 give as an example results of an experimental series. In other experimental series(Ref5)alanine-2-$C^{14}$ caused in rubber a 3 to 4 times higher activity than acetic acid, glycocol, acetoacetic acid and several hexoses. The l- and d-types of alanine take part to about the same extent in the formation of radioactive rubber as their racemic mixture. The results obtained prove that the 2-carbon residue forming as a result of the decarboxylation of alanine plays a part in different biosynthetic processes in plants. Alanine is obviously transformed into carotene molecules passingthrough the stage of pyruvic- and acetic acid (Fig 2). The higher rapidity and the degree of absorption of the alanine-2-carbon residue into rubber compared to acetic acid



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point to the fact that the forming alanine decarboxylation product (apparently acetaldehyde imine) is not transformed into an acetyl coenzyme A but that it takes immediately part in the formation of the molecules of rubber or its predecessors. The participation of alanine in several biosynthetic processes in plants is obviously due to the fact that alanine can serve as donor of 2-carbon acids: acetic acid and acetaldehyde imine. The latter form further links of the chain of biosynthetic reactions. There are 3 figures and 11 references, 4 of which are Soviet.

ASSOCIATION: Institut organicheskoy khimii Akademii nauk USSR (Institute of Organic Chemistry of the Academy of Sciences, UkrSSR)

SUBMITTED: September 22, 1958



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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

VAYNSHTEYN, F.M.; SHILOV, Ye.A.; GRISHIN, O.M.

Hydrogen isotope effect in the halogenation of aromatic compounds. (MIRA 14:4)
Zhur. VKHO 5 no.1:119-120 '60.

1. Institut organicheskoy khimii AN USSR.
(Aromatic compounds) (Halogenation)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

KOZINENKO, I.K.; SHILOV, Ye.A.

Kinetics and mechanism of reactions between active chlorine and organic compounds. Part 13: Oxidation of the meta-sulfobenzyl alcohol ion. Ukr. khim. zhur. 26 no.2:206-217 '60. (MIRA 13:9)

1. Kiyevskiy politekhn icheskiy institut organicheskoy khimii AN USSR.

(Benzyl alcohol)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

VAYNSHTEYN, F.M.; SHILOV, Ye.A., akademik

Significance of the kinetic isotope effect in the theory of hydrogen substitution in aromatic systems. Dokl.AN SSSR 133 no.3:581-584 Jl '60. (MIRA 13:7)

1. Institut organicheskoy khimii Akademii nauk USSR.
2. Akademiya nauk USSR (for Shilov).
(Substitution(Chemistry))
(Deuterium)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

SHILOV, Ye. A.

report to be submitted for the IUPAC 21st Conference and 11th Intl. Congress of Pure and Applied Chemistry, Montreal, Canada, 2-12 August 1961

GORODISKIY, G. V., Academy of Sciences USSR, Kiev - "The oscillographic investigation of the electrochemical kinetics in fused salts" (Section A.3,a.2 - Session I, 11 Aug 61, afternoon)

GURVICH, L. V., Academy of Sciences USSR, Moscow - "The calculation of thermodynamic functions of gases in a wide temperature range" (Section A.3,c,(1), Session II - 8 Aug 61, afternoon)

KARGIN, V. A., Physico-Chemical Institute imeni L. Ya. Karpov, Moscow - "Vitrification phenomena in crystallin polymers" (Section B.4 - 7 Aug 61, afternoon)

KISELEV, A. V., Moscow State University imeni M. V. Lomonosov - "The influence of surface heterogeneity and adsorbate-adsorbate interaction on the adsorption properties of solid surfaces" (Joint Session, Sections A.2 and B.1 - 8 Aug 61, morning)

KONDRAT'YEV, V. N., Institute of Chemical Physics, Academy of Sciences USSR, Moscow - "The $HO_2$ radical" (Section A.1, Session I - 11 Aug 61, morning) (Also, Section A.1, Chairman, Session I - 8 Aug 61, morning)

KUZNETSOV, V. I., Institute of Geochemistry and Analytical Chemistry imeni V. I. Vernadskiy, Academy of Sciences USSR - "A novelty in the use of organic co-precipitants for concentration of small amounts of the elements" (To be presented in Russian) (Section C.2 - 11 Aug 61, morning)

LEVRUKHINA, A. K., RAKOVSKIY, E. E., and MOSKALEVA, L. P., Institute of Geochemistry and Analytical Chemistry imeni V. I. Vernadskiy, Academy of Sciences USSR - "New data on radiochemical investigations of the processes of fission and fragmentation induced by high energy protons" (Section A.4 - 8 Aug 61, afternoon)

LOVACHEV, L. A., Academy of Sciences USSR, Moscow - "Determination of rate constants of elementary processes from flame velocities as a function of temperature, pressure, and molecular transfer coefficients" (Section A.3,b,(2) - 7 Aug 61, afternoon)

MUNDIATH, S. (Probably MUNDYATH, S.) and GERASIMOV, Y. I., Moscow State University imeni M. V. Lomonosov - "Study of the thermodynamic properties of the system iron-latinum" (Section A.3,c,(3), Session II(A) - 11 Aug 61, morning)

PANCHENKOV, G. M., KOLCHIN, A. M., MALAKOV, V. F., and SHEBYN, Ya., Moscow State University imeni M. V. Lomonosov - "Emission of complex ions in solid-phase reactions" (Joint Session, Sections A.2 and B.1, 8 Aug 61, morning)

SEMENOV, N. N., Institute of Chemical Physics, Academy of Sciences USSR, Moscow - "Certain chemical reactions at reduced temperatures and related problems of energy transfer" (To be presented in Russian) (Plenary lecture - Saturday, 12 Aug 61)

SHILOV, Ye. A., Academy of Sciences USSR, Kiev - "The active agents and the intermediary complexes in the heterolytic reactions of halogenation of the organic compounds" (Section A.1, Session II - 11 Aug 61, morning)

SMIRNOV, M. V., Electrochemistry Institute, Sverdlovsk - "The equilibrium between the titanium subgroup metals and the salt melts" (Section B.3 - 7 Aug 61, afternoon)

TAL'ROZE, V. L., Institute of Chemical Physics, Academy of Sciences USSR - "Reactions of ions and molecules in the gas phase" (Section A.1, Session I - 9 Aug 61, afternoon)

TERENIN, Aleksandr N., Leningrad State University imeni A. A. Zhdanov - (Section A.1, Chairman, Session I - 8 Aug 61, afternoon Session) (Also on program for Section A.1, Session I - 9 Aug 61, afternoon)

TERENIN, Aleksandr N., VILESOV, F. I., KUKLATOV, B., and DOMNOVA, N., Leningrad State University imeni A. A. Zhdanov - "Mass-spectrometry and luminescence of radicals in the photodissociation and photoionization of molecules by vacuum ultra-violet radiation" (Section A.1, Session I - 9 Aug 61 - afternoon)

TUNITSKIY, N. N., Scientific Research Physico-Chemical Institute imeni L. Ya. Karpov - "On the dissociation of molecules on electron impact and the early states of radiation-chemical processes" (Section A.1, Session I - 8 Aug 61, afternoon)

VAINSHENIN, Emmanuil Ye., and KORCLEV, V. V., Institute of Geochemistry and Analytical Chemistry imeni V. I. Vernadskiy, Moscow - "The plasma generator and its use for spectral analysis of alloys and rocks" (Section C.1 - 8 Aug 61, morning)

VINOGRADOV, A. P., LEVRUKHINA, A. K., and REVINA, L. D., Institute of Geochemistry and Analytical Chemistry imeni V. I. Vernadskiy, Academy of Sciences USSR - "The study of nuclear reactions in iron meteorites under the action of high energy protons" (Section A.4 - 8 Aug 61, afternoon)

YAKOVLEV, Ya. V., and ALIMARIN, I. P., Institute of Geochemistry and Analytical Chemistry imeni V. I. Vernadskiy, Academy of Sciences USSR - "The determination of trace impurities in some materials for semiconductor techniques by radio-activation analysis" (To be presented in Russian) (Section C.1 - 8 Aug 61, afternoon)

YEROFEYEV, Boris V., Institute of Physical-Organic Chemistry, Minsk - "The effect of donor and acceptor admixtures on the decomposition rate of solids" (Section A.2 - 8 Aug 61, afternoon)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

SHILOV, Ye.A.

Production of ethylene chlorohydrin from gases with a flow ethylene concentration. Khim.prom. no.1:24-25 Ja '61. (MIRA 14:1)
(Ethylene) (Ethanol)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

OSTROVERKHOV, V.G.; SHILOV, Ye.A.

Studies involving the theory of nucleophilic additions. Part 7: reactions when weak nucleophilic agents act upon molecules containing a double bond. Ukr. khim. zhur. 27 no.209-212 '61. (MIRA 14:3)

1. Institut organicheskoy khimii AN USSR.
(Addition reactions)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

SHILOV, Ye. A.; VAYNSHTEYN, F.M.; YASNIKOV, A.A.

Participation of halogen cations in the mechanism of halogenation of organic compounds. Kin. i kat. 2 no.2:214-220 Mr-Ap '61. (MIRA 14:6)

1. Institut organicheskoy khimii AN USSR, Kiyev.
(Halogenation)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

SHILOV, Ye.A.; YASNIKOV, A.A.

Catalytic action of amino acids and amines in organic reactions. Part 4: Specific catalytic action of amines in the enolization of ketones. Ukr.khim.zhur. 27 no.5:639-658 '61. (MIRA 14:9)

1. Institut organicheskoy khimii AN USSR.
(Amines) (Catalysis) (Ketones)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

SHILOV, Ye.A., akademik

Structure of intermediate and transition complexes in heterocyclic reaction of unsaturated compounds. Zhur. VKHO 7 no.4:419-426 '62. (MIRA 15:8)

1. Akademiya nauk UkrSSR.
(Complex compounds) (Unsaturated compounds)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

DVORKO, G. F.; SHILOV, Ye. A.

Contribution to the theory of nucleophilic reactions. Part 8: Addition of hydrogen chloride to acetylene derivatives in methyl alcohol. Ukr. khim. zhur. 28 no.5:626-632 '62. (MIRA 15:10)

1. Institut organicheskoy khimii AN UkrSSR.

(Acetylene compounds) (Hydrochloric acid)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

DVORKO, G.F.; SHILOV, Ye.A.

Kinetics and mechanism of the addition of mercuric chloride to acetylene derivatives in methanol solution. Ukr.khim.zhur. 28 no.7:833-841 '62. (MIRA 15:12)

1. Institut organicheskoy khimii AN UkrSSR.
(Acetylene compounds) (Mercury chloride) (Addition reactions)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

DVORKO, G.F.; SHILOV, Ye.A.

Theory of nucleophilic additions. Part 9: Addition of hydrogen bromide to acetylenedicarboxylic ester by active reagents from lithium bromide solutions in acetic acid. Ukr.khim.zhur. 28 no.9:1073-1079 '62. (MIRA 15:12)

1. Institut organicheskoy khimii AN UkrSSR.
(Acetylenedicarboxylic acid)
(Hydrobromic acid)
(Addition reactions (Chemistry))

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

RENGEVICH, Ye.N.; SHILOV, Ye.A.

New determination of the equilibrium constant of $I_2 + I^- \rightleftarrows I_3^-$ by the distribution method. Ukr.khim.zhur. 28 no.9:1080-1086 '62. (MIRA 15:12)

1. Institut organicheskoy khimii AN UkrSSR.
(Potassium iodide)
(Iodine)
(Chemical equilibrium)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

SHILOV, Ye.A.

Present state of the theory of the synthesis of ethylene chlorodhydrin. Zhur.prikl.khim. 35 no.1:225-227 Ja '62. (MIRA 15:1)
(Ethanol)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

RENGEVICH, Ye.N.; STANIIETS, V.I.; SHILOV, Ye.A., akademik

Significance of cyclic transition complexes in the mechanism of organic reactions. Dokl. AN SSSR 146 no.1:111-114 S '62. (MIRA 15:9)

1. Institut organicheskoy khimii AN Ukrainskoy SSR. 2. AN Ukrainskoy SSR (for Shilov).
(Cyclic compounds)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

DVORKO, G.F.; SHILOV, Ye.A.

Investigation of the theory of nucleophilic additions. Part 10: Kinetics and mechanism of the addition of hydrogen iodide to acetylene compounds in water. Ukr.khim.zhur. 29 no.1:73-79 '63. (MIRA 16:5)

1. Institut organicheskoy khimii AN UkrSSR.
(Hydriodic acid) (Addition reactions) (Acetylene compounds)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

DVORKO, G.F.; SHILOV, Ye.A.

Investigations in the theory of nucleophilic additions. Part 11: Kinetics and mechanism of the addition of hydrogen bromide to acetylenedicarboxylic acid in water. General conclusions on the kinetics of addition of halogen acids in water. Ukr. khim. zhur. 29 no.2:165-169 '63. (MIRA 16:6)

1. Institut organicheskoy khimii AN UkrSSR.
(Addition reactions)
(Hydrobromic acid)
(Acetylenedicarboxylic acid)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

DVORKO, G.F.; SHILOV, Ye.A.

Kinetics and the mechanism of addition of hydrogen iodide to multiple carbon-carbon bonds in organic solvents. Part 2: Addition of hydrogen iodide to cyclohexene in benzene. Kin. i kat. 5 no.2:240-246 Mr-Ap '64. (MIRA 17:8)

1. Institut organicheskoy khimii AN UkrSSR.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

VAYNSHTEYN, F.M.; TOMILENKO, Ye.I.; SHILOV, Ye.A.

Kinetics of iodination of aromatic amino compounds and m-phenol-sulfonate by iodine in aqueous solutions. Ukr. khim. zhur. 30 no.8: 831-838 '64. (MIRA 17:11)

1. Institut organicheskoy khimii AN UkrSSR.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

TASHLYKOV, A.A.; SHILOV, Ye.A.; VOLKOVA, N.V.

Catalytic action of amino acids and amines in organic reactions. Part 15. Ukr. khim. zhur. 30 no.12:1313-1318 '64 (MIRA 18:2)

1. Institut organicheskoy khimii AN UkrSSR.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

SERGUCHEV, Yu.A.; SHILOV, Ye.A., akademik

Homogeneous catalysis in the heterolytic chlorination of unsaturated compounds. Dokl. AN SSSR 155 no.6:1383-1386 Ap '64. (MIRA 17:4)

1. Institut organicheskoy khimii AN UkrSSR. 2. AN UkrSSR (for Shilov).

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

DVORKO, G.F.; SHILOV, Ye.A.

Kinetics and mechanism of addition of hydrogen iodide to multiple carbon-carbon bonds in organic solvents. Part 3: Addition of hydrogen iodide to cyclohexene in hexane, toluene, and chlorobenzene. Kin.i kat. 5 no.6:996-999 N-D '64. (MIRA 18:3)

1. Institut organicheskoy khimii AN UkrSSR.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

MEL'NICHENKO, I.V., SHILOV, Ye.A.; YASNIKOV, A.A.

Catalytic action of amino acids and amines. Part II: Kinetics of enolization of acetone in the presence of amino acids of various structure. Ukr. khim. zhur. 30 no.6:599-603 '64. (MIRA 18:5)

1. Institut organicheskoy khimii AN UkrSSR.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

MEL'NICHENKO, I.V.; SHILOV, Ye.A.; YASNIKOV, A.A.

Catalytic effect of amino acids and amines in organic reactions. Part 14: Mechanism of hydration of crotonic aldehyde. Ukr.khim. zhur. 30 no.11:1171-1178 '64. (MIRA 18:2)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

DVORKO, G.F.; SHILOV, Ye.A.

Kinetics and mechanism of addition of hydrogen iodide to multiple carbon-carbon bonds in organic solvents. Part 4: Addition of hydrogen iodide to dimethyl ester of acetylene-dicarboxylic acid in toluene, chlorobenzene, and hexane. Kin. i kat. 6 no.1:37-40 Ja-F '65. (MIRA 18:6)

1. Institut organicheskoy khimii AN UkrSSR.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

VOLKOVA, N.V.; CHILOV, Ye.A.; YASNIKOV, A.A.

Catalytic action of amino acids and amines in reactions of carbonyl compounds. Part 16: Kinetics and mechanism of iodination of acetol phosphate in the presence of ethylenediamine. Ukr. khim. zhur. 31 no.1:56-66 '65. (MIRA 18:5)

1. Institut organicheskoy khimii AN UkrSSR.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

YASNIKOV, A.A.; SHILOV, Ye.A.; GRISHIN, O.M.

Reduction of benzaldehyde and p-nitrobenzaldehyde by N-benzyl-1,4-dihydronicotinamide in an alkaline solution. Ukr. khim. zhur. 31 no.1:113-119 '65. (MIRA 18:5)

1. Institut organicheskoy khimii AN UkrSSR.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

DVORKO, G.F.; KARPENKO, T.F.; SHILOV, Ye.A.

Kinetics and mechanism of hydrogen iodide addition to multiple carbon-carbon bonds in organic solvents. Part 5: Addition of hydrogen iodide to methyl ester of propiolic acid in chlorobenzene. Kin.i kat. 6 no.5:809-814 S-O '65. (MIRA 18:11)

1. Institut organicheskoy khimii AN UkrSSR.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

VAYNSHTEYN, F.M.; DEGURKO, T.A.; TOMILENKO, Ye.I.; SHILOV, Ye.A.

Role of anion acceptors in the mechanism of nucleophilic substitution in aromatic systems. Ukr.khim.zhur. 31 no.5:518-521 '65. (MIRA 18:12)

1. Institut organicheskoy khimii AN UkrSSR. Submitted Febr. 5, 1965.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

DVORKO, G.F.; KARPENKO, T.F.; MIRONOVA, D.F.; SHILOV, Ye.A.

Contributions to the theory of nucleophilic additions. Part 15: Nature of the acid as an important factor in the kinetics of hydrogen iodide addition to dimethyl ester of acerylenedicarboxylic acid in methanol and methanol - chloroform mixtures. Ukr. khim. zhur. 31 no. 11:1177-1182 '65 (MIRA 19:1)

1. Institut organicheskoy khimii AN UkrSSr.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

STANINETS, V.I.; SHILOV, Ye.A.

Syntheses of five-membered heterocycles by iodination and bromination of unsaturated compounds. Ukr. khim. zhur. 31 no. 12:1286-1289 '65 (MIRA 19:1)

1. Institut organicheskoy khimii AN UkrSSR. Submitted June 15, 1964.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

BERDICHEVSKIY, G.I., kand.tekhn.nauk; DMITRIYEV, S.A., kand.tekhn.nauk; MIKHAYLOV, K.V., kand.tekhn.nauk; GVOZDEV, A.A., prof., doktor tekhn.nauk; MIKHAYLOV, V.V., prof., doktor tekhn.nauk; BULGAKOV, V.S., kand.tekhn.nauk; VASIL'YEV, A.P., kand.tekhn.nauk; YEVGEN'YEV, I.Ye., kand.tekhn.nauk; MULIN, N.M., kand.tekhn.nauk; SVETOV, A.A., kand.tekhn.nauk; FRENKEL', I.M., kand.tekhn.nauk; BELOBROV, I.K., inzh.; MATKOV, N.G., inzh.; MITNIK, G.S., inzh.; SKLYAR, B.L., inzh.; SHILOV, Ye.V., inzh.; MASENKO, I.D., inzh.; NIZHNICHENKO, I.P., inzh.; FILIPPOVA, G.P., inzh.; MIZERNYUK, B.N., kand.tekhn.nauk; SHEYNFEL'D, N.M., kand.tekhn.nauk; BALAT'YEV, P.K., kand.tekhn.nauk; BARBARASH, I.P., kand.tekhn.nauk; MITGARTS, L.B., kand.tekhn.nauk; SHIFRIN, M.A., kand.tekhn.nauk; PETROVA, V.V., red.izd-va; TEMKINA, Ye.L., tekhn.red.

[Temporary instruction on the technology of making prestressed reinforced concrete construction elements] Vremennaia instruktsiia po tekhnologii izgotovleniia predvaritel'no napriazhennykh zhelezobetonnykh konstruktsii. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1959. 255 p. (MIRA 12:12)

(Continued on next card)

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

BERDICHEVSKIY, G.I.---(continued) Card 2.

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut betona i zhelezobetona, Perovo. 2. Nauchno-issledovatel'skiy institut betona i zhelezobetona Akademii stroitel'stva i arkhitektury SSSR (for Gvozdev, V.V.Mikhaylov, Berdichevskiy, Bulgakov, Vasil'yev, Dmitriyev, Yevgen'yev, K.V.Mikhaylov, Mulin, Svetov, Frenkel', Belobrov, Matkov, Mitnik, Sklyar, Shilov). 3. Nauchno-issledovatel'skiy institut organizatsii, mekhanizatsii i tekhpomoshchi Akademii stroitel'stva i arkhitektury SSSR (for Masenko, Nizhnichenko, Filippova, Mizernyuk, Sheynfel'd). 4. Nauchno-issledovatel'skiy institut Glavmospromstroymaterialov (for Balat'yev, Barbarash). 5. Nauchno-issledovatel'skiy institut po stroitel'stvu Minstroya RSFSR (for Mitgarts, Shifrin). 6. Deystvitel'nyye chleny Akademii stroitel'stva i arkhitektury SSSR (for Gvozdev, V.V.Mikhaylov).

(Prestressed concrete)

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

SHILOV, Ye.V., inzh.

Investigating losses of preliminary stress in bundle reinforcements during their stretching by double-action jacks. Trudy NIIZHB no.13:25-38 '60. (MIRA 13:7)
(Prestressed concrete)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

SHILOV, Ye.V., inzh.

Anchoring high-strength wire bundles in prestressed concrete construction. Trudy NIIZB no.16:35-64 '60. (MIRA 14:5)
(Prestressed concrete)
(Concrete reinforcement)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

SHILOV, Ye. V. Cand Tech Sci -- "Study of the anchoring of reinforcement bundles of high-strength wires in prestressed reinforced-concrete structures with transfer of pressure to the solidified concrete." Mos, 1961 (Acad Of Construction and Architecture USSR. Sci Res Inst of Concrete and Reinforced Concrete "NIIZhB"). (KL, 4-61, 202)



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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

LYUBINSKIY, Ya.S.; SHILOV, Yu.A.

Flexible coupling of the electric motor with the lathe rest. Mashinostroitel' no.6:17 Je '64. (MIRA 17:8)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

SHILOV, Yuriy Georgiyevich; SAL'NICHENKO, M.A., metodist, red.; SUVORINA, T.M., red.; SUKMANOVA, K.G., tekhn. red.

[Toward a single-type communist property] K edinoy kommunisticheskoi sobstvennosti. Perm' Permskoe knizhnoe izd-vo, 1960. 29 p. (MIRA 14:12)

1. Dom politicheskogo prosveshcheniya pri Permskom oblastnom komitete Kommunisticheskoy partii Sovetskogo Soyuza (for Sal'nichenko).
(Collective farms) (Socialist property)

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L 35828-66 EWP(k)/EWT(d)/EWT(m)/EWP(h)/T/EWP(1)/EWP(v) WE

ACC NR: AP6016311 (A) SOURCE CODE: UR/0314/66/000/001/0046/0047

42
41
B

AUTHOR: Shilov, Yu. K. (Engineer)

ORG: none

TITLE: The latest improvements in the technology of the production of chemical and oil refining equipment

SOURCE: Khimicheskoye i neftyanoye mashinostroyeniye, no. 1, 1966, 46-47

TOPIC TAGS: chemical industry, ~~petroleum~~, economic development, PETROLEUM REFINERY EQUIPMENT, MACHINE INDUSTRY

ABSTRACT: The article is a report on the proceedings of a meeting held in Tambov in September, 1965 and a summary of some of the key speeches given at the meeting. The meeting was attended by more than 200 factory workers and members of research, design, and other organizations. V. P. Sokolov, of the VNIIPYkhimmash institute, outlined the plans for the industry through 1970. By this date, in comparison with 1963, the amount of automatic and semi-automatic equipment is scheduled to increase by 3.3 times, equipment for contact electric welding by 2.3 times, equipment for gas welding and metal cutting by 3 times, and auxiliary equipment by 5 times. A. G. Lamzin of the

Card 1/2 UDC: 66.05.002.2:65.012.63

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

L 35029-66

ACC NR: AP6016311

VNIIPTkhimnefteapparatur institute presented an anlysis of the specialization and mechanization of the industry. Orig. art. has: none.

SUB CODE: 07,11,14/ SUBM DATE: none

Card 2/2

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

SHILOV, Yu.M., kandidat farmatsevticheskikh nauk

Development and place of quality control over durgs in pharmacies of the U.S.S.R. Apt.delo 6 no 5:20-25 S-O '57. (MIRA 10:11)
(PHARMACY--QUALITY CONTROL)

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

A

BELOVA, O.I., kand.farmatsevticheskikh nauk; SHILOV, Yu.M., kand.farmatsevticheskikh nauk [redacted]

Industry-wide conference on the production of tables and manufactured medicinals. Apt.delo 7 no.1:90-92 Ja-F '58. (MIRA 11:3)
(DRUG INDUSTRY)

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

BLAGOVIDOVA, Yu.A., SHILOV, Yu.M.

Enlarged plenary session of the administration of the All-Union Pharmaceutical Society. Apt.delo 7 no.4:73-75 Jl-Ag '58 (MIRA 11:8)
(PHARMACY--SOCIETIES)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

KUTUMOVA, Ye.N., otv.red.; SHILOV, Yu.M., kand.farmats.nauk, zamestitel' otv.red.; GORYAINOVA, N.S., kand.khim.nauk, red.; POLYAKOV, N.G., doktor med.nauk, red.; SEDOVA, K.D., kand.farmats.nauk, red.; POLIN, A.N., red.; BOGACHEVA, Z.I., tekhn.red.

[Some problems in materia medica; collection of works of the Central Pharmaceutical Research Institute of the Ministry of Public Health of the U.S.S.R.] Nekotorye voprosy lekarstvovedeniia; sbornik rabot TSentral'nogo aptechnogo nauchno-issledovatel'skogo instituta M-va zdravookhraneniia SSSR. Moskva, Gos.izd-vo med.lit-ry, 1959. 142 p. (MIRA 13:4)

1. Iz laboratorii farmakologii TSentral'nogo aptechnogo nauchno-issledovatel'skogo instituta Ministerstva zdravookhraneniya SSSR (for Polyakov).

(MATERIA MEDICA)

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KUTUMOVA, Ye.N., kand.farmatsevticheskikh nauk; SHILOV, Yu.M.

Activity of the Central Pharmaceutical Research Institute in 1957 and 1958. Apt.delo 8 no.2:8-13 Mr-Ap '59. (MIRA 12:5)

1. Direktor TSentral'nogo aptechnogo nauchno-issledovatel'skogo instituta (for Kutumova). 2. Zamestitel' direktora TSentral'nogo aptechnogo nauchno-issledovatel'skogo instituta po nauchnoy chasti (for Shilov).
(PHARMACEUTICAL RESEARCH)

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BUSEV, A.I.; KUZNETSOV, V.I., prof.; SHILOV, Yu.M., kand.farmatsevticheskikh nauk; TARASENKO, M.I., kand.khim.nauk

"Analytical chemistry" by F.M.Shemiakin, A.N.Karpov, A.N. Brusentsov. Reviewed by A.I.Busev and others. Apt.delo 8 no.2:90-93 Mr-Ap '59. (MIRA 12:5)
(CHEMISTRY, ANALYTICAL) (SHEMIAKIN, F.M.) (KARPOV, A.N.) (BRUSENTSOV, A.N.)

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

SHILOV, Yu.M., kandidat farmarsevticheskikh nauk

"Index Internationalis Pharmaceuticus" by A. Heinige and others. Reviewed by IU.M. Shilov. Apt.delo 8 no.6:74-75 N-D '59. (MIRA 13:4)

(PHARMACY--NOMENCLATURE) (HEINIGE, A.)

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

TARASENKO, M.I.; SHILOV, Yu.M.

Use of unstable binary compounds as the gravimetric form in rapid gravimetric analysis (determination of lead). Sbor. nauch. rab. MFI 2:130-132 '59. (MIRA 14:1)

1. Kafedra neorganicheskoy khimii (zav. - dotsent M.I.Tarasenko) Moskovskogo farmatsevticheskogo instituta.
(LEAD—ANALYSIS)

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MURAV'YEV, I.A.; SHILOV, Yu.M.

Fourth Congress of the Pharmaceutical Societies of the German Democratic Republic. Apt. delo 10 no. 2:67-69 Mr-Ap '61. (MIRA 14:4)

(GERMANY, EAST—PHARMACEUTICAL SOCIETIES—CONGRESSES)

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

SHILOV, Yu.M.; TARASENKO, M.I.

"Analytic chemistry." Part 2: "Quantitative chemical analysis" by F.M.Shemiakin, A.N.Karpov, A.N.Brusentsov. Reviewed by IU.M.Shilov and M.I.Tarasenko. Apt. delo 10 no.5:85-88 S-O '61. (MIRA 14:12)
(CHEMISTRY, MEDICAL AND PHARMACEUTICAL)
(SHEMIAKIN, F.M.) (KARPOV, A.N.) (BRUSENTSOV, A.N.)

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SHILOV, Yu.M., kand.farm.nauk

Some data on the extraction of the active substances from medicinal plants during the process of their dispersion. Sbor.nauch.trud. TSANII 2:65-68 '61. (MIRA 16:5)

1. Rukovoditel' laboratorii fiziko-khimicheskogo analiza TSentral'nogo aptechnogo nauchno-issledovatel'skogo instituta.
(EXTRACTS)

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

BLAGOVIDOVA, Yu.A., dots., otv. red.; MEL'NICHENKO, A.K., zam. otv. red.; GAMMERMAN, A.F., prof., red.; KUTUMOVA, Ye.N., red.; SEDOVA, K.D., kand. farm. nauk, red.; SENOV, P.L., prof., red.; SIDORKOV, A.M., red.; STETSYUK, A.M., red.; SHILOV, Yu.M., kand. farm. nauk, red.; KHALETSKIY, A.M., prof., red.

[Materials of the Second All-Union Conference of Pharmacists] Materialy Vtoroi Vsesoiuznoi konferentsii farmatsevtov. Moskva, Medgiz, 1961. 394 p. (MIRA 17:7)

1. Vsesoyuznaya konferentsiya farmatsevtov, 2d, Leningrad, 1959. 2. Kafedra tekhnologii lekarstv I Moskovskogo meditsinskogo instituta im. I.M.Sechenova (for Blagovidova). 3. Direktor Tsentral'nogo aptechnogo nauchno-issledovatel'skogo instituta (for Kutumova). 4. Zaveduyushchiy kafedroy farmatsevticheskoy khimii I Moskovskogo meditsinskogo instituta imeni I.M.Sechenova (for Senov). 5. Zamestitel' direktora po nauchnoy chasti TSentral'nogo aptechnogo nauchno-issledovatel'skogo instituta (for Shilov).

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

CHICHIRO, V. Ye.; SHILOV, Yu.M., kand. farm. nauk

Identification of motherwort preparations. Sbor. nauch. trud. TSANII 4: 130-135 '63 (MIRA 17:3)

1. Laboratoriya fizicheskoy khimii TSentral'nogo aptechnogo nauchno-issledovatel'skogo instituta.

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

SHILOV, Yu.M.; DARAGAN, V.L.; YERMAKOV, V.I.

Possibility of determining the moisture of the granular substance for tablets by measuring its dielectric permeability. Aptech. delo 12 no.3:22-24 My-Je'63 (MIRA 17:2)

1. Tsentral'nyy aptechnyy nauchno-issledovatel'skiy institut i Moskovskiy khimiko-tekhnologicheskiy institut imeni Mendeleyeva.

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

SHILOV, Yu.M.; DARAGAN, V.L.

High-frequency analysis and possibilities of its use in pharmaceutical practice. Apt. delo 12 no.4:72-76 Jl-Ag '63. (MIRA 17:2)

1. TSentral'nyy aptechnyy nauchno-issledovatel'skiy institut.

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

SHILOV, Yu.M., kand. farm. nauk; DARAGAN, V.L.; YERMAKOV, V.I., kand. khim. nauk

High-frequency device for the determination of moisture in samples of loose preparations. Sbor. nauch. trud. TSANII 6: 127-133 '64. (MIRA 19:1)

1. TSentral'nyy aptechnyy nauchno-issledovatel'skiy institut (for Shilov, Daregan). 2. Moskovskiy khimiko-tekhnologicheskiy institut imeni Mendeleyeva (for Yermakov).

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

FISHER, P.N.; KEYL', I.A.; VOROB'YEVA, G.I.; SHVARSKROYN, B.M.; ALYAMOVSKAYA, T.S.; ZYBIN, S.Ye.; DRUZHININA, A.T.; SHILOV, Yu.P.

Growing yeast on hydrolysates from coniferous wood. Gidroliz. i lesokhim. prom. 16 no.5:7-12 '63. (MIRA 17:2)

1. Moskovskoye otdeleniye Gosudarstvennogo nauchno-issledovatel'skogo instituta gidroliznoy i sul'fitno-spirtovoy promyshlennosti (for Fisher, Keyl', Vorob'yeva, Shvartskroyn, Alyamovskaya).
2. Ivdel'skiy gidroliznyy zavod (for Zybin, Druzhinina, Shilov).

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

SHILOV, Yu.P.; BATIKOV, L.S.

Experimental operation of DSG-25 separators. Gidroliz. i lesokhim. prom. 16 no.6:28 '63. (MIRA 16:10)

1. Ivdel'skiy gidroliznyy zavod.

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

BOBOREKO, E.A.; KALYUZHNYY, M.Ya.; CHAYKA, N.D.; ABRAMOVICH, M.M.; SHILOV, Yu.P.; DRUZHININA, A.T.; ZYBIN, S.Ye. [deceased]; BATIKOV, L.S.

Improving the process of yeast growing on wood hydrolyzates.
Gidroliz. i lesokhim.prom. 17 no.8:22-25 '64.

(MIRA 18:1)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut gidroliznoy i sul'fitno-spirtovoy promyshlennosti, Leningrad (for Boboreko, Kalyuznyy, Chayka, Abramovich). 2. Ivdel'skiy gidroliznyy zavod (for Shilov, Druzhinina, Zybin, Batikov).

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

SHILOV, Yu.S.

Drainage of the gas-producing deposit No.2 by means of a vertical drainage installation in the Kuznetsk Basin. Podzem.gaz.ugl. no.3:52-55 '57. (MIRA 10:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy i proyektnyy institut podzemnoy gazifikatsii ugley.
(Kuznetsk Basin--Coal mines and mining) (Drainage)

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SHILOV, Yu.S.

Draining underground gas producers. Podzem.gaz.ugl. no.4:49-50 '57. (MIRA 11:1)

1.Vsesoyuznyy nauchno-issledovatel'skiy institut Podzemgaz.
(Hydraulic engineering)
(Coal gasification, Underground)

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

SHILOV, Yu.S.

Selecting a drainage system of underground gas producers operated without mining. Podzem. gaz. ugl. no.1:46-50 '59.
(MIRA 12:6)

1.VNIIPodzemgaz.
(Coal gasification, Underground)
(Drainage)

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SHILOV, Yu.S.

Changes in the chemical composition and mineralization of underground waters in the gas producer plant at the Yuzhno-Abinskaya "Podzemgas"station. Podzem.gaz.ugl. no.3:37-39 '59. (MIRA 12:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy i proyektnyy institut podzemnoy gazifikatsii ugley.
(Kuznetsk Basin--Coal gasification, Underground)
(Water, Underground)

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

SHILOV, YU. S., CAND GEOL ~~AND~~ MIN~~ERAL~~ SCI, "PECULIARITIES OF THE REGIME OF SUBTERRANEAN WATERS, HYDROGEOLOGICAL ~~IN-~~ ~~VESTIGATIONS~~ studies AND DRAINAGE IN UNDERGROUND GASIFICATION OF COAL. (ON THE EXAMPLE OF THE SOUTH ABINSK ufa "PODZEMGAZ" STATION IN the KUZBASS)." MOSCOW, 1961. (MOSCOW ORDER OF LENIN AND ORDER OF LABOR RED BANNER STATE UNIV IMENI M. V. LOMONOSOV. GEOL FACULTY. CHAIR OF HYDROGEOLOGY). (KL-DV, 11-61, 213).



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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

SHILOV, Yu.A., kand. geologo-mineralogich. nauk

Results of operating underground gas producers at the "Podzemgaz" Plant in Yuzhno-Abinsk using horizontal drains and burnt-out areas. Trudy VNIIPodzemgaza no.12:94-106 '64. (MIRA 18:9)

1. Laboratoriya gidrogeologicheskaya Vsesoyuznogo nauchno-issledovatel'skogo instituta podzemnoy gazifikatsii uglya.

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

[illegible]; [illegible], Yu.S., kand. geologo-mineral. nauk

Operation of rod pumps at the "Podzemgaz" gas station in Yuzhno-Abinskaya. Trudy VNIIPodzemgaza no.13:79-80 '65. (MIRA 18:8)

1. Gruppa po tekhnike bezopasnosti i laboratoriya konstruktsiy podzemnykh gazogeneratorov Vsesoyuznogo nauchno-issledovatel'skogo instituta podzemnoy gazifikatsii ugley.

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SHILOVA, A.

USSR/Medicine - Silicosis
Medicine - Blood, Chemistry

Oct 48

"Some Changes in the Blood Due to Silicosis," Prof S. M. Genkin, I. Gel'fon, M. Migina, A. Rashevskaya, A. Shilova, Clinic, Inst of Labor Hygiene and Occupational Diseases, Acad Med Sci USSR, 7 pp

"Klin Med" Vol XXVI, No 10

Estimations of hemoglobin, leukocyte count, and differential count in silicosis without complications remain within normal limits. They do not undergo alterations corresponding to progress of the disease. In silico-tuberculosis, the percentage of cases with leukocytosis shift the differential count to left, lymphopenia and eosinopenia become more marked with transition from early to late stages. Erythrocyte sedimentation rate increases in both silico-tuberculosis and silicosis. Albumen conten in serum is normal. Viscosity increases.

PA 31/49T27

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FENIKSOVA, R.V.; SEGAL, R.B.; RODZEVICH, V.I.; SHILOVA, A.A.

Aspergillus molds as producers of amylase. II. Amylase activity of Aspergillus orysae as related to culture conditions on natural solid media. Mikrobiologiya 22, 145-50 '53. (MLRA 6:3)
(CA 47 no.22:12523 '53)

1. All-Union Research Inst., Alcohol Ind., Moscow.

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

Shilova, A. A.

The effect of the nutrient medium and of culturing procedures on the synthesis of amylolytic enzymes by Aspergillus oryzae. R. V. Feniksova, F. M. Kinzburskaya, and A. A. Shilova. *Trudy Vsesoyuz. Nauch.-Issledovatel. Inst. Spirt. Prom.* 1954, No. 2, 110-27; *Referat. Zhur. Khim., Biol. Khim.* 1955, No. 12723.—A comparative study was made of 3 methods of culturing *A. oryzae:* (1) deep submerged, (2) surface, on solid medium, and (3) pellicular, on liquid medium. Method 3 proved most suitable for the purpose of obtaining higher amylolytic enzyme concn. Methods 1 and 2 yielded amylase of av. normal activity. The right concns. and proper ratios of the constituents of the medium are requisites for the production of potent amylase. It is recommended that the concn. of N in the Czapeck medium be increased 3-6 times and the concs. of the carbohydrates 2-3 times the original. Starch is the best source of carbohydrate and inorg. $NH_4$ salts best source of N with the medium at a neutral pH. When synthetic medium was used in conjunction with starch and $(NH_4)_2SO_4$, method 1 proved most suited for the production of active amylase. $NaNO_3$ and $KNO_3$ are of equal value as sources for N, but the amylase produced is of lower concn. With $NH_4$ salts of org. acids high concn. of amylase was obtained with $H_2CO_3$-$NH_4$ and method 1. B. S. Levine

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Shilov A. A.

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

FENIKSOVA, R.V.; SHILOVA, A.A.

Amylolytic enzymes of the Aspergillus awamori mold fungi. Ferm. i spirt. prom. 30 no.5:6-10 '64. (MIRA 17:10)

1. AN SSSR (for Feniksova). 2. Vsesoyuznyy nauchno-issledovatel'skiy institut fermentnoy i spirtovoy promyshlennosti (for Shilova).

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

SHILOVA, A.A.

Yeast propagation on mash converted by means of the culture of Aspergillus awamori. Ferm. i spirt.prom. 30 no.8:4-7 '64. (MIRA 18:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut fermentnoy i spirtovoy promyshlennosti.

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

MALOVICHKO, A.K.; SHIKHOV, S.A.; SHILOVA, A.A.

Characteristics of the gravity anomalous field in the area of the Kama-Kinel' Depression based on prospecting data. Neftegaz. geol. i geofiz. no.7:20-22 '65. (MIRA 18:8)

1. Kontora "Perm'neftegeofizika" i Permskiy gosudarstvennyy universitet.

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

FENIKSOVA, R.V.; SHILOVA, A.A.

Formation of enzymes in the surface culture of Aspergillus awamori. Ferm. i spirt. prom. 31 no.2:4-5 '65. (MIRA 18:6)

1. AN SSSR (for Feniksova). 2. Vsesoyuznyy nauchno-issledovatel'skiy institut fermentnoy i spirtovoy promyshlennosti (for Shilova).

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

SHILOVA, A. I.

Materials on the systematics of larvae of the genera Glyptotendipes and Endochironomus (Diptera). Mat. k pozn. fauny i flory SSSR. Otd. zool. no.32:403-418 '52. (MIRA 11:4)

1. Laboratoriya entomologii Moskovskogo gosudarstvennogo universiteta.
(Amur Valley diptera) (Larvae--Insects)

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549510001-5

SHILOVA, A. I.

"The Components of the Species and the Biology of Tendipedidae (Chironomidae) Along the Lower Course of the Amu-Dar'." Cand Biol Sci, Moscow State U, Moscow, 1953. (RZhBiol, No 1, Sep 54)

SO: Sum 432, 29 Mar 55

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