STALYHESAUL, 171. V

8(1,2,5)

PHASE I BOOK EXPLOITATION

SOV/1990

Sergeyev, Ivan Ivanovich and Mikhail Valentinovich Shklyarskiy

Uchebnoye posobiye elektromekhanika (A Textbook on Electromechanics) Moscow, Voyen, izd-vo M-va obor. SSSR, 1958. 284 p. No. of copies printed not given.

Ed.: V. L. Sterligov, Engineer-Captain; Tech. Ed.: A.T. Babochkin.

PURPOSE: This book was approved as a textbook for junior technical personnel of the Red Army Signal Corps by the Chief of Ground Communications Personnel.

COVERAGE: The book describes the basic sources and converters of electric power employed for supplying radio-communication and wire-communication equipment. It is presumed that the reader is acquainted with the fundamentals of electrical engineering. The book provides technical specifications and data essential for proper selection of the supply source and for making operational calculations. The chapter dealing with internal combustion engines describes the construction, principle of operation and rule for operating the machines most commonly used in power supply installations of communications facilities. Chapters 1-3 and 8-11 were written by M.V.

Card 1/8

SHKLYARSKIY, N.D.

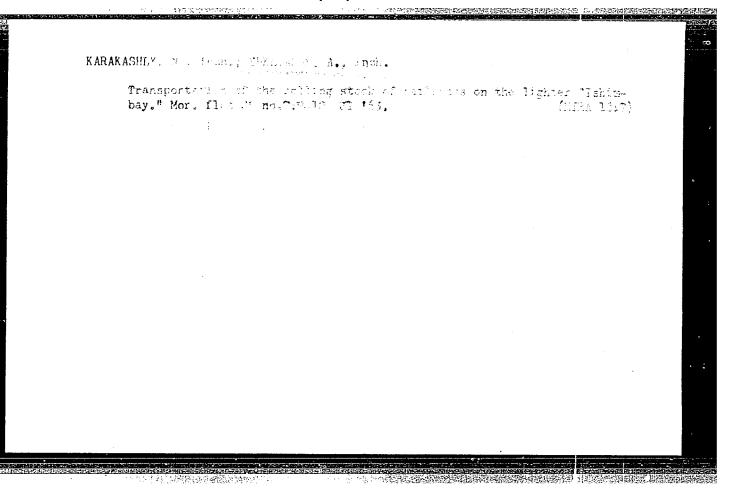
Bring the complex under control. Stroi. truboprov. 9 no.8:
10-11 Ag '64. (MIRA 17:12)

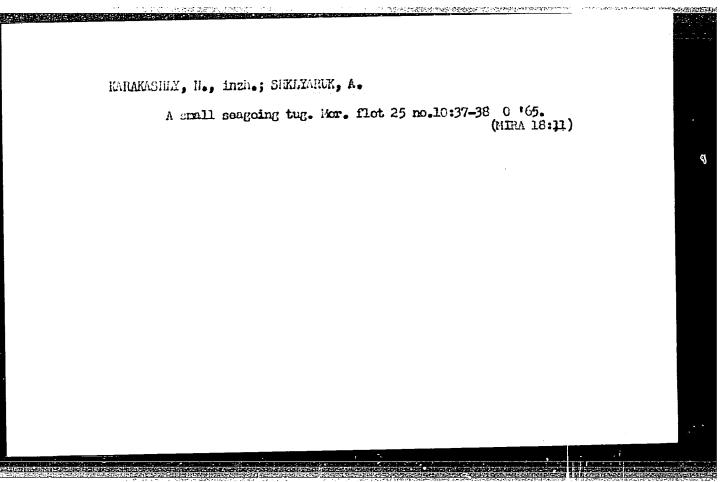
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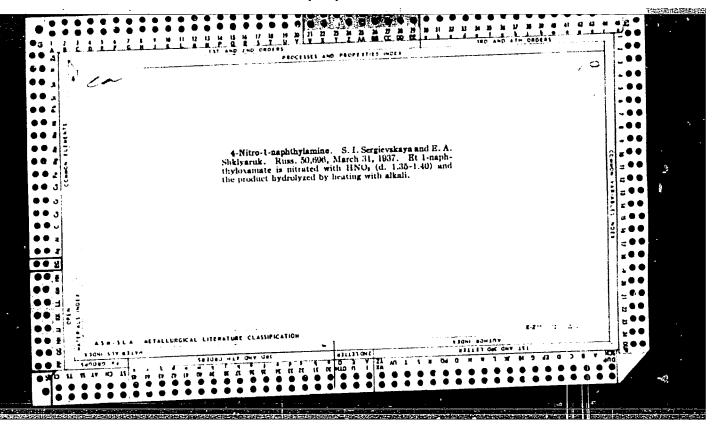
WESTEL', A.N. (Kiyev); SHALYARSKIY, N.O. (Kiyev); KHMELYUK, A.I. (Kiyev)

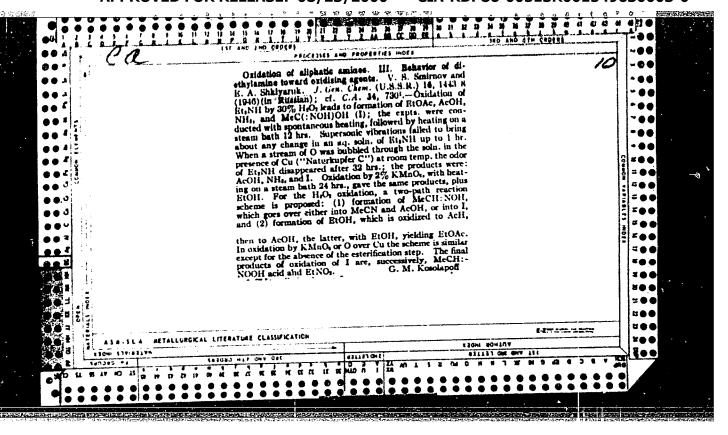
Changing the stricture of an area to service the "christmas tree"
gas wells. Stroi. truboprov. 2 no.10:28 0 '64, (MIRA 18:7)

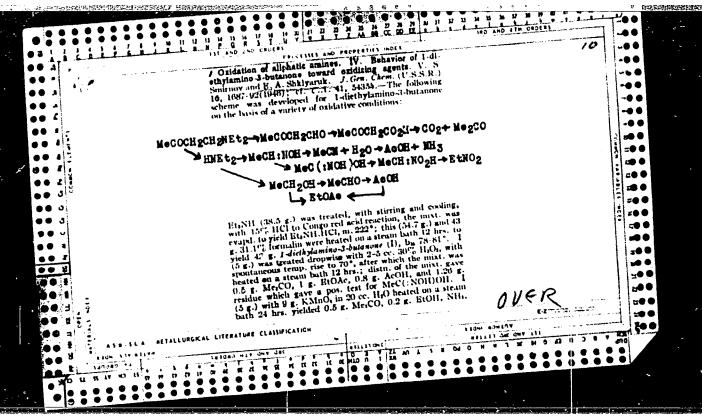
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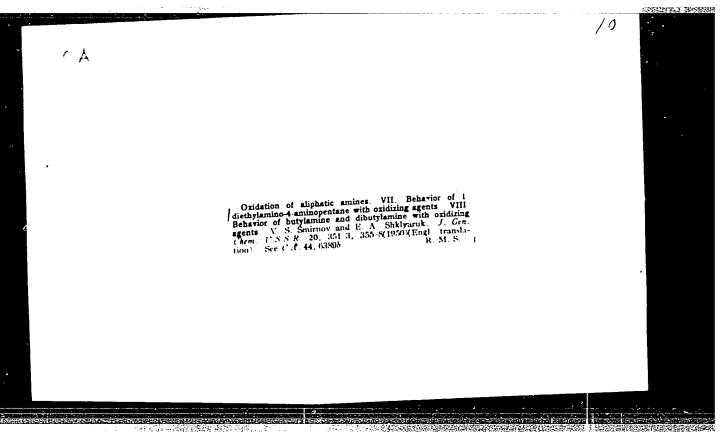


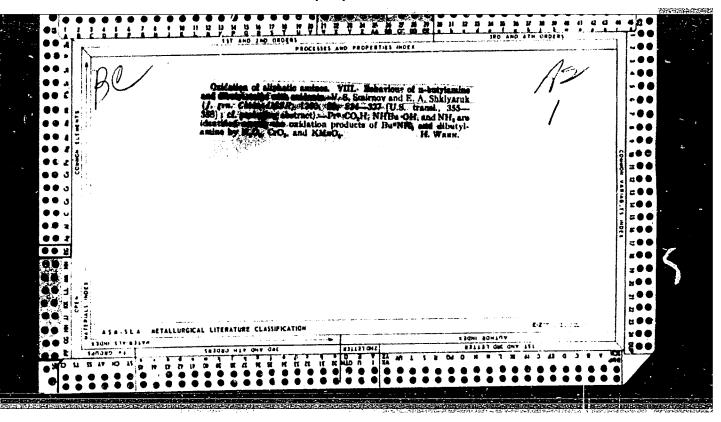






Con the Oxidation of Alighatic Amines W., The Relation of the Diethlamincethanol to the Cxidizers," 16, To. 16, 1926. Whr. Lab Mater Emulsion and Napthelene, Ministry of Health S'S7, -1924-.





LEVCHENKO, D.N.; KHUDYAKOVA, A.D.; KALITAYEVA, A.L.; SHKLYARUK, Ye.A.; KHOKHLOV, V.I.; CHUGREYEVA, A.S.

Nonionogenic surface-active agents as demulsifiers for petroleum emulsions. Khim.i tekh.topl.i masel. 5 no.4:24-29 (MIRA 13:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke nefti i gaza i polucheniyu iskusstvennogo zhidkogo topliva.

(Surface active agents) (Emulgions)

SIMILIAUW, A. S.

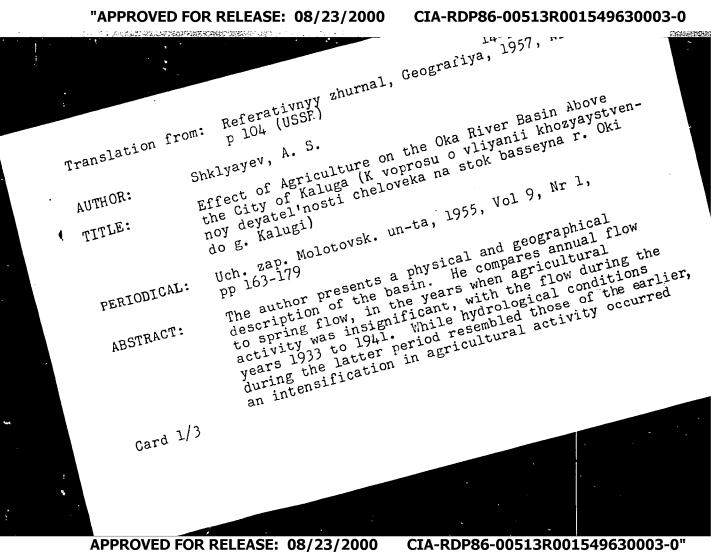
Defended his Candillates discertation in the <u>Geography Faculty</u> of Moscow State University on 2 July 1):2.

Dissertation: "The Influence of Agricultural Activities of Man on the Flow of the Cka River to the City of Kaluga."

30: Vestaik hockovskogo Universiteta, Seriya Fiziko-Matematicheskikh i Yestestvennykh Mauk, No. 1, Moscow, Feb 1953, pp 151-157: transl. in M-29732, 42 April 54,

# "APPROVED FOR RELEASE: 08/23/2000

# CIA-RDP86-00513R001549630003-0



14-57-7-14855

Effect of Agriculture on the Oka River Basin (Cont.)

in the years separating the two periods. The author made four types of investigations: 1) analysis of the relationship between spring flow and climatic factors; 2) comparison of annual and spring flows of 1931-1932 and 1940-1941 with the flows during earlier periods (1885-1886 and 1930-1931); 3) analysis of the period of the five-year plans; 4) analysis of annual and spring flows in single years. In the first variant he investigates the relation between the equation  $y_{sp} = f$  (s + x), (where  $y_{sp}$  is the spring flow,  $\underline{s}$  is the amount of water in the snow cover at the beginning of the thaw, and  $\underline{x}$  is the amount of spring precipitation for the period from the start of the thaw to the end of the floods minus the time necessary for the talic waters to arrive from their furthest positions (all values in millimeters). In general, all four methods of study gave approximately the same results as to the decrease in both spring and annual flow during the third decade. Annual flow decreased by 10.4 mm to 21.3 mm (six to 12.4 percent the total annual flow) and spring flow decreased 12.8 mm to 14 mm (10.5 to 14 percent of the total Card 2/3

Effect of Agriculture on the Oka River Basin(Cont.)

annual flow). The author stresses the fact that for a more accurate determination of  $\underline{x}$  a more objective means for determining the end of spring floods must be found and used in the studies of this type, that it would be desirable to consider physical and geographical differences in various parts of the basins in greater detail, and so on. He points out that similar studies in other districts have also indicated that agriculture causes changes in the flow. As a result, former flow norms have become outmoded. A bibliography of Card 3/3

MATARZIN, YU.M.; SHELYAYEV, A.S.

"Limnology" by B.B.Boposlovskii. Reviewed by IU.M.Matarzin, A.S.
Shkliaev. Vest. Mosk.un. Ser. 5: Geog. 16 no.5:77-78 S-0 '61.

(MIRA 14:9)

(Limnology) (Bogoslovskii, B. E.)

SHKLYAYEV, A.S.

Perennial fluctuations in the water volume of the Kema River near the city of Perm. Uch. zap. Perm. gos. un. 15 no.2:93-102 '6C.

(MIRA 14:12)

(Kama River--Runoff)

BALKOV, V.A.; SHKLYAYEV, A.S.

Changes in the breakup dates of the Kema River near the city of Perm in connection with the warming of the climate. Uch. zap. Perm. gos. un. 15 no.2:103-107 '50. (MIRA 14:12)

(Kama River——Ice on rivers, lakes, etc.)

SHKLYAYEV, A.S., kand.geograf.nauk (Perm'); ZUBKOV, Ye.F., kand.geograf.nauk (Perm')

Early spring. Priroda 51 no.4:127-128 ap '62. (MIRA 15:4)
(Russia, Northern--Spring)

ZUBKOV, Ye.F. (Perm'); SHKLYAYEV, A.S. (Perm')

In the Kama region. Priroda 51 [i.e. 52] no.5:128 '63.

(Kama region—Spring)

SHKIYAYEV, Aleksandr Sergeyevich; BALKOV, Vladimir Aleksandrovich;
VERSHININ, T.I., red.; YEZOV, G.M., tekhn. red.

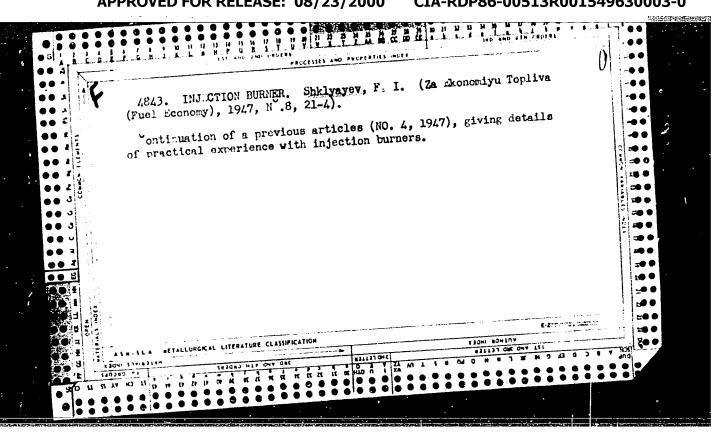
[Climate of Perm Province] Klimat Fermskoi oblasti. Perm',
Permskoe knizhnoe izd-vo, 1963. 189 p. (MIRA 17:2)

LITVINOV, L.N., kand.tekhn.nauk; MORIGEROVSKIY, V.M., kand.tekhn.nauk;
LEVSHIN, S.V., inzh.; SHKLYAYEV, A.V., inzh.

Driving piles with diesel hammers not of the drop hammer type.

Transp. strol. 11 no.7:13-14 Jl '61. (MIRA 14:7)

(Piling (Civil engineering))



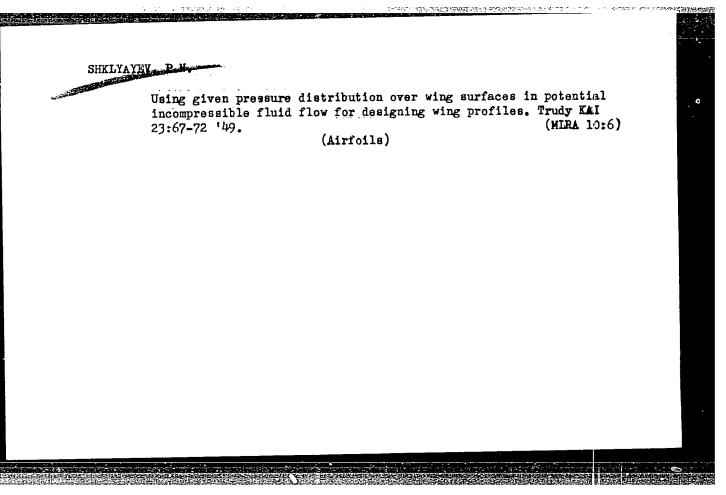
USSR/Fuel Consumption Apr 194 Gas, producer	7
"Analytical Study on Combustion of Producer Gas in Flameless Burners," F. I. Shklyayev, 6 pp	•
"Za Ekonomiyu Topliva" Vol IV, No 4	
Graphs of operating data, cross section of burner, theoretical discussion, and bibliography	
<b>4.Т4</b>	3

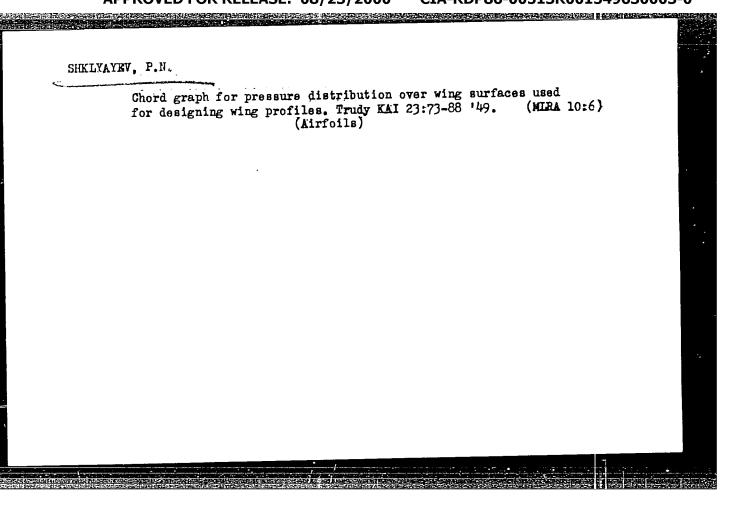
REZVYRM. A.I.; SHRTVAYA. 1.P.; KABATEW, K.

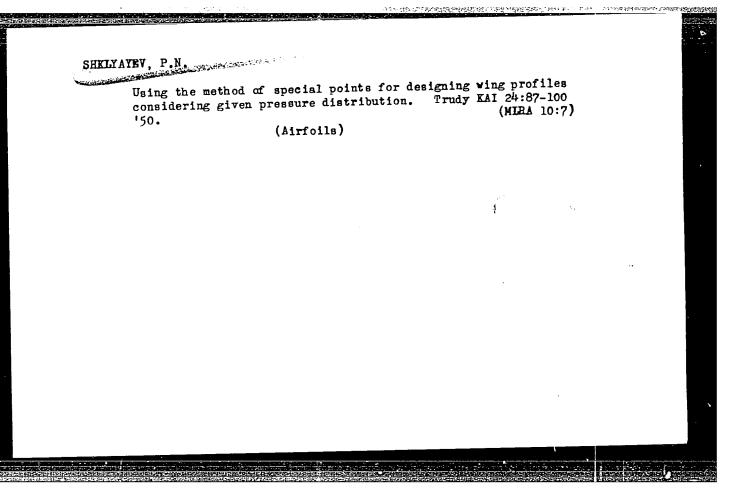
Treating gosts in relignant force of smallpox. Veterinariia 34 no.6:33-34 Je 157.

1. Starshiy nauchryw sotrudnik kingizakogo nauchno-issledovatel'skogo instituta zhiwatnovodatwa i veterinarii (for Rezwykh). 2. Zaveduyu-shchiy Karavanskov mezhrayonnov vetbaklaboratoriyey Dzhalal-Abadskoy oblasti (for thklyazev). 3. Glavnyy veterinarnyy vrach Ala-Bukinskogo rayona Drhalal-Abanskoy oblasti (for Kabayev).

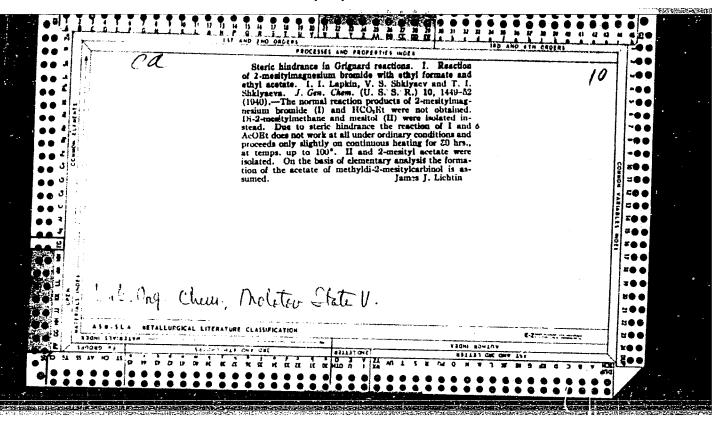
(Smalidox in animali) (Gosts--Diseases and pests) (Neoarsphenamine)







# SHKLYAYEV, P.N. Distribution of flow speed in an inlet charnel and design of inlet channels with low resistance. Trudy KAI 25:63-71 '51. (Aerodynamics)



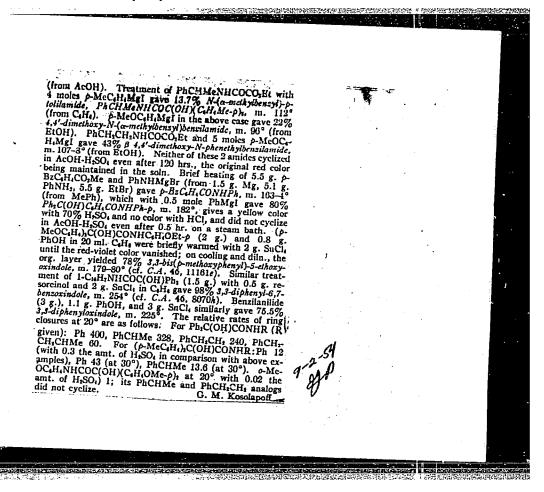
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Chemical Abst.

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Carboxylic acids declines regularly as the rag size increases from 5 to 8 members. Generally the rag size increases from 5 to 8 members. Generally the rag size increases from 5 to 8 members. Generally the rag size increases from 5 to 8 members. Generally the rag size increases from 5 to 8 members. Generally the rag size of dectronsity in closure of larger rangs than is possible in the presence of electron-donor substituents. Opt. commits ring closure of larger rangs than is possible in the presence of electron-donor substituents. Opt. commits ring closure of larger rangs than is possible in the presence of electron-donor substituents. Opt. commits repularly as the rag size of electron-donor substituents. Opt. commits repularly as the rag size of electron-donor substituents. Opt. commits repularly as the rag size of electron-donor substituents. Opt. commits repularly as the rag size of electron-donor substituents. Opt. commits repularly as the rag size of electron-donor substituents. Opt. commits repularly as the rag size of electron-donor substituents. Opt. commits repularly as the rag size of electron-donor substituents. Opt. commits repularly as the rag size of electron-donor substituents. Opt. commits repularly size of electron-donor substituents. O



CA. V-48 Jan 10, 1954 Organic Chemistry

344-474-4 + .

The effect of the nature and the position of substituents in phenyl radicals of ArNHCOC(OH)Ar's on the cleen report invernmentered beterocycle. XIX. P. A. Petym. Cand. V. S. Shklyavy (Figure 1984). Molovy. Zhur. G. shchell. Ahim. 23, 1364-70(1103); cf. C. J. 47, 7480g.— I to mature and the position of substituents in Ar' grow of Ar. NHCOC(OH)Ar's details the rate of ring closure. I be tronacceptor groups increase the rate of ring closure: the carbonium C atom and increase the rate of closure; the same time the rate declines in the order: m, o, p with variation of the site of the substituents. Carbinols in we chall

I α-positions in Ar' radicals are occupied do not undergologing, closure owing to steric hindrance. The rates of closure of rings in the N-(1-bromo-2-naphthyl)-α-α-di-ρ-tolylglycolamide and N-(2-naphthyl)-α-(ρ-tolyl)glycolamide are the same; the fact is explained by weakening of the nucleophilic center caused by electron-acceptor function of the Br atom. The rate of closure of 2-C<sub>10</sub>H<sub>1</sub>NHCOC(OH)(C<sub>4</sub>H<sub>4</sub>OMe-ρ)<sub>1</sub> is 0.25 of that of the 1-C<sub>10</sub>H<sub>4</sub> nanlog at 20°. In a present series in which the rate of closure of α-MeOC<sub>4</sub>H<sub>4</sub>NHCOC(OH)(C<sub>4</sub>H<sub>4</sub>OMe-ρ)<sub>1</sub> is taken as 1, the following rates are found (Ar = Pl<sub>1</sub>; Ar', rate given): m-ClC<sub>6</sub>H<sub>4</sub>, very high; ρ-Cl analog, 12.5; ρ-Br analog, 5; ρ-Me analog, 12; α-Me analog, 1800. To m-ClC<sub>4</sub>H<sub>4</sub>MgI (from 42.5 g. m-ClC<sub>6</sub>H<sub>4</sub>I and 4.4 g. Mg) was added 7.7 g. PhNHCOCO<sub>2</sub>Et; the usual treatment gave 49% I (Ar = Ph, Ar' = m-ClC<sub>6</sub>H<sub>4</sub>) (II), m. 170-1°; ρ-Cl analog prepd. similarly in 55% yield, m. 181.5-2.5°; the ρ-Br analog, 32.5%, m. 192-4°. Use of Et 1-naphthyloxamate, similarly, gave 46.8% I (Ar = 1-C<sub>10</sub>H<sub>4</sub>, Ar' = m-MeOC<sub>6</sub>H<sub>4</sub>), m. 151-2.5°. Et 2-methoxy-oxanilate and mesitylmagnesium bromide gave 22% I (Ar = α-MeOC<sub>6</sub>H<sub>4</sub>, Ar' = 2.4,6-Me<sub>6</sub>C<sub>6</sub>H<sub>1</sub>), m. 162-4°, which failed to close the ring even after 3 hrs. heating with H<sub>5</sub>SO<sub>4</sub>. Passage of NH<sub>1</sub> into Et N-(1-bromo-2-naphthyl)-αxamate in EtOH gave 96% corresponding amide, m. 231-2° (from C<sub>6</sub>H<sub>4</sub>); the ester heated with 0.5% NaOH gave the free acid, m. 158-9° (decompn.; from C<sub>6</sub>H<sub>4</sub>). Reaction of the Et ester with p-MeC<sub>6</sub>H<sub>4</sub>MgI gave 38% I (Ar = 1,2-BrC<sub>6</sub>H<sub>1</sub>, Ar' = p-MeC<sub>6</sub>H<sub>4</sub>), m. 158-60°. II in 15 ml. concd. H<sub>5</sub>SO<sub>4</sub> gave a red-violet color which disappeared rapidly; diln. with H<sub>6</sub>O gave 70% 3.3-bis(-3-chlorophenyl)axindole, m. 24S-50° (from AcOH). Similarly the 4,4'-dichloro analog gave 3.3-bis(4-chlorophenyl)axindole, m. 198-290°, when the reaction with H<sub>5</sub>SO<sub>4</sub>, was run in AcOH seln. The same method was used to be brain 3-3-bis(4-chlorophenyl)axindole, m. 198-290°, when the reaction with H<sub>5</sub>SO<sub>4</sub>

(3)

Cherry

SHKLYAYEV, V.S.

USSR/Chemistry - Reaction processes

Card 1/1

Pub. 151 - 33/36

Authors

Petyunin, P. A.; Berdinskiy, I. S.; and Shklyaev, V. S.

Title

: Reaction of N,N'-bis-(magnesium halide)-aryl amines with esters and acid

halides

Periodical : Zhur. ob. khim. 24/1, 178-180, Jan 1954

Abstract

: A study of the reaction between N, N! -bis-(magnesium halide)-aryl amines and esters and acid halides showed that the aryl amines react like dimagnesiumorganic compounds. It was established that the reaction between esters and N,N'-bis-(magnesium halide)-aryl amines has certain advantages and was therefore recommended for the synthesis of aryl amides of mono-and dibasic acids, halogen-, hydroxy- and alpha, beta-unsaturated acids. The possibility of applying this reaction for the synthesis of dibenzoyl derivatives of aromatic amines is discussed. Six references: 4-German; 1-French and 1-USSR (1904-1952).

Table.

Institution: The Molotov Pharmaceutical Institute, Laboratory of Organic Chemistry

Submitted : July 2, 1953

SHKLYAYEV, V.S.

USSR/Chemistry

Card 1/1

Authors

: Petymin, P. A., Shklyaev, V. S., and Berdinskiy, I. S.

Title

: Effect of Nature and Position of the Substituents in the Benzene Nucleus, in the Case of Nitrogen on the Closing of the Five-Membered Heterocycle in

Arylamides of Oxycarboxylic Acids. Part 21. -

Periodical : Zhur. Ob. Khim., 24, Ed. 6, 1078 - 1082, June 1954

Abstract

: The effect of nature and position of substituents in the benzene nucleus in the case of nitrogen on the closing of a five-membered heterocycle in arylamides 4, 4'-dimethoxybenzilic acid, was investigated. It was established that the rate of cycle closing, under the effect of various substituents, decreases in the following order: CH<sub>3</sub>O>CH<sub>3</sub>>J>Br>Cl> (CH<sub>3</sub>)<sub>2</sub> NH. The introduction of electron donor substituents increases the rate of cycle closing. New, hitherto unknown, arylamides of 4, 4'-dimethoxybenzilic acid and derivatives of 3, 3-bis-(4-methoxyphenyl)-oxindol, were obtained and their

properties investigated. Six references. Table.

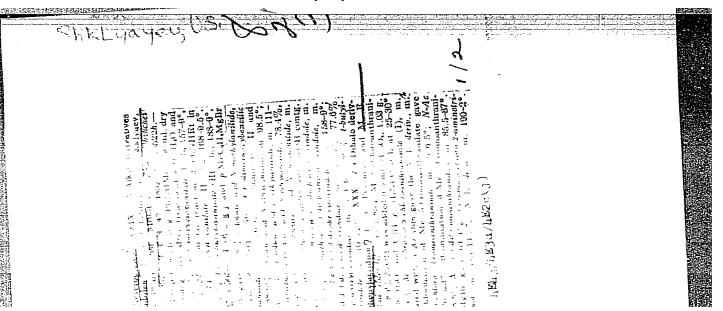
Institution: The Pharmaceutical Institute, Molotov.

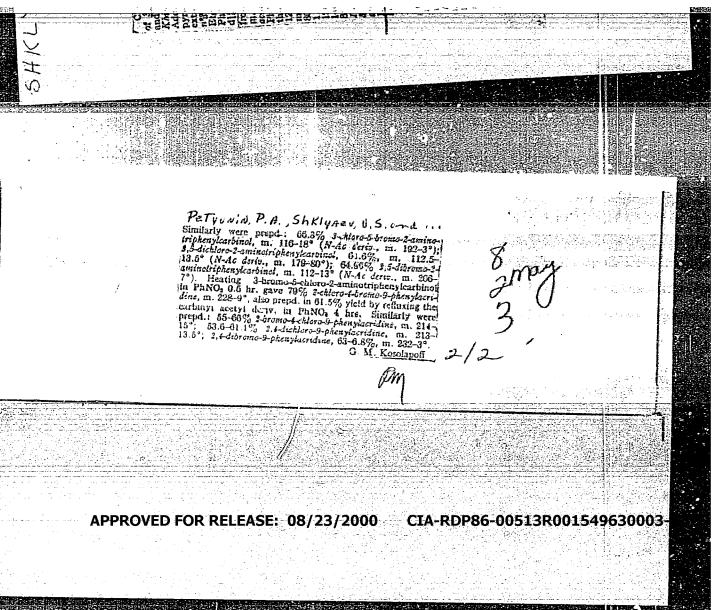
Submitted January 3, 1954

PETYUNIN, P.A.; SHKLYAYEV, V.S.

Research data on the chemistry of heterocyclic compounds. Part 28:
Synthesis and properties of 1-pheny1-3,3-diaryloxindoles. Zhur. ob.
khim. 27 no.3:731-734 Mr '57. (MIRA 10:6)

1. Molotovskiy farmatsevticheskiy institut.
(Oxindole) (Glycolic acid)





5.3610

s/080/60/033/006/039/041/XX D228/D302

AUTHORS:

Petyunin, P.A., Shklyayev, V.S., and Konshin, M.Ye.

TITLE:

Synthesis of the N-alkylanilines

PERIODICAL: Zhurnal prikladnoy khimii, v. 33, no. 6, 196,

1428 - 1430

TEXT: According to N.N. Vorozhtsov (Ref. 1: Osnovy sintera prome-zhutochnykh produktov i krasiteley (Bases of the Synthesis of Intermediate Products and Dyes), Goskhimizdat, 438, 324, 360, 1955), N-alkylarylamines are best prepared from the alkylation of aromatic amines with alcohols and halogenoalkyls or from the alkylamination of certain benzene derivatives. Therefore, since anthranilic acid is readily decarboxylized to form aniline, the authors decided to utilize it as the basis of a method for synthesizing N-alkylanilines. In this respect they note that A.F. Bekhli (Ref. 4: Zh. org. khimii, 27, 701, 1957) also used the decarboxylation of anthranilic acid derivatives to obtain the  $\beta$ -proprionitriles. The experimental procedure rises the following stages: Neutraliza-Card 1/3

27519 S/080/60/033/006/039/041/XX D228/D302

Synthesis of the N-alkylanilines

tion of a solution of 0.1 mole anthranilic acid in 40-50 ml. H<sub>2</sub>0 with cong. KOH; addition of 0.1 mole halogenoalkyl to the filtrate; boiling of the solution for 10 - 12 hr; methylation with methyl iodide or the methyl ether of toluenesulfonic acid; and crystallization of the N-alkylanthranilic acids from suitable solvents On heating above their melting points (81 - 1530) these acids are converted into the corresponding mono-alkylanilines through the loss of CO2. Advantageous features of the method include the ease of the decarboxylation reaction, the high yield (87 - 98 %) and the formation of individual amines which obviates the necessity of having to separate them by laborious techniques. In view of the labile nature of these compounds it is advisable to prepare them as required from the more stable alkylanthranilic acids. The authan conclude by noting that the alternative use of the derivatives of n-aminobenzoic acid is less satisfactory, as in this case the yields are lower and intermediate products have higher melting points. There are 2 tables and 9 references: 5 Soviet-bloc and 4 non-Soviet-bloc. The references to the English-language publications read as follows: H. Gilman et al, J. Amer. Chem. Soc. 62,

Card 2/3

N,

27519 S/080/60/035/006/039/041/XX D228/D302

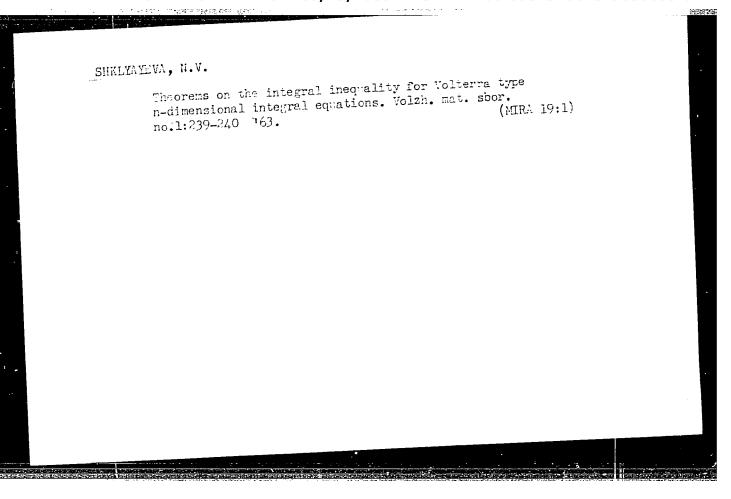
Synthesis of the N-alkylanilines

977, 1940; W.S. Fones, Chem. A. 44, 3921, 1950.

ASSOCIATION: Permskiy farmatsevticheskiy institut (Perm Pharmaceutical Institute)

SUBMITTED: September 14, 1959

Card 3/3



## "APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549630003-0

18,5200

\$/113/60/000/009/005/005 A002/A001

AUTHORS:

Yakimanskiy, V. V., Candidate of Fethnical Stientes, Shlyapin, M.A. Kirichinskiy, I. I., Shkiyarov, I. N., Kalashnikov, S. N., Gandide of Technical Sciences

TITLES

A New Isothnology of Manufacturing Helical Bevel Gears Using the Method of Hot Knurling of Teeth

PERIODITAL: Avtomobil'naya promyshlennost', 1960, No. 9, pp. 39-43

The technology and the equipment used for the manufacture of helical bewel gears by hot knurling is described. This new production process and problems connected with it were investigated by the Nauchno-issledovatel'skiy institut tekhnologii avtomobil'noy promyshlennosti (Scientific Research Institute of Automobile Industry Technology) in cooperation with the Moscow Automobile Flant imeni Likhachev. Used for the manufacture of helical bevel gears of 3NJ-157 (ZIL-157) and [A3-51 (GAZ-51) vehicles, the new technology will result in a saving of 4 kg of alloy steel per gear. The equipment formerly used for preliminary mutting of the gear teeth is no longer necessary. The capital spendings required for the special equipment are paid off within 1 to 1,5 years.

Card 1/3

s/113/60/000/009/005/005 A002/A001

A New Technology of Manufacturing Helical Bevel Gears Using the Mathod of John Knowling of Teeth

The new method of generating gear testh consists in the successive local deformation of the surface layer of the gear blank, heated to a plastic state by highfrequency induction current. The deformation is effected by a gear knurling tool having the shape of a revel gear. The coordinated rotation of the blank and the tool during the teeth knurling process ensures a rigid and short kinematic chain, which is one of the most important features of a gear knurring machine. The research into hot knurling of helical bevel gears was performed on an experimental gear knurling machine (shown in Fig. 2). Formulae are given for calculating the force required for gear teeth knarling. The induction hearing system is described. A NBC+100/2500 (FVS-200/2500) 120-kw high-frequency generator is used for this purpose; its operating frequency is 2,500 ops. The principal sircult diagram is given (Fig. 6). Provisions were made in the experimental teeth knurling machine for performing the knurling operation andso shielding gas. Graphite lubrication of the teeth of the knursing tool has a favorable effects on the torch shaping process. Furthermore, the shape and the dimensions of the gear clank are of great importance. The gear blank is produced by stamping, for example from 12X2H4A (12Kh2N4A) steel. It is machined on a

Card 2/3

\$/113/60/000/009/005/005 A002/A001

A New Technology of Manufacturing Helical Bevel Gears Using the Results of Fact. Krurling of Feeth

lathe prior to hot knurling of the gear teeth. Heat treatment after the knurling operation is necessary, since the gear teeth have been hardened during the cooling-off period immediately after knurling. After tempering, the gears are machined on a lathe and on a grinding machine and are finished on a gear broaching machine. The final operations are the same as those used in the manufacture of helical bevel gears by conventional methods. After the final heat treatment, the depth of the hardened layer amounts to 1.2-1.5 mm and its hardness HEC  $\geqslant$  58, while the hardness of the teeth cores is HRC 35=40. The structure of the hardered layer contains martensite and residue austenite, thus existing requirements are met. The precision of helical bevel gears manufactured eccording to this method is not below that of gears manufactured according to conventional methods, while their strength characteristics are even higher according to tests performed as the Moseow Automobile Flant imeni Likhachev. The entire teeth knurling process (not counting the time required for mounting the blank) lasts about 1.5 minutes. In conclusion it is said that the method of knurling of gear teeth should be used at automobile, traiter and other machinebuilding plants because of its advantages. There are 8 figures.

```
SHKIYAYEV, V.V. _daceased], dots. (Omsk, ul, Maslennikova, d.143, kv.20)

Intramedullary metallic osteosynthesis in fractures and pseudoarthroses of the long bones [with summary in English]. Vest.khir. 80 no.6:31-36 (MIRA 11:7)

1. Iz kafedry gosuital'noy khirurgii (ispolnyayushchiy obyezannosti zaveduyushchego - dots. V.V. Shklyayev [deceased]) Omskogo meditsinskogo instituta N.I. Kalinina.

(ARM, fract.

intramedullary metallic osteosynthesis in fract.

& pseudorthrosis (Rus))

(IEG, fract.

same (Rus))
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#### CIA-RDP86-00513R001549630003-0 "APPROVED FOR RELEASE: 08/23/2000

SEMENOV, S.S.; SHPIL'FOGEL', P.V.; ARSHANSKIY, A.M.; SHKLYAYEVA, A.P. Concentrated shale as an organomineral filler in molded powders of phenolic plastics obtained by the emulsion method. Trudy VNIIT

no.10:180-188 '61. (Phenol condensation products)(Shale) (MIRA 15:3)

SHKLYAYOVA, I. I.

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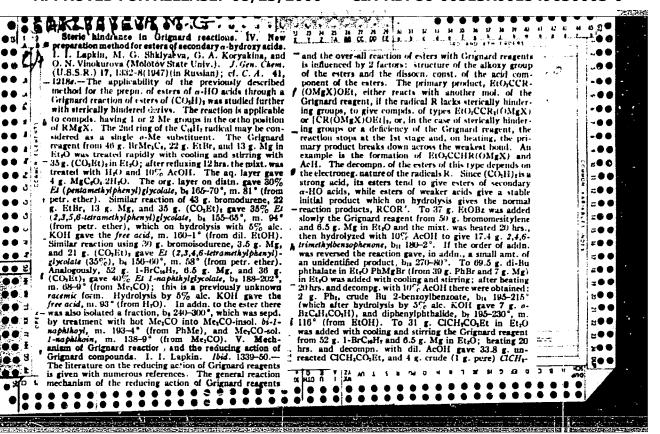
So: Sum. No. 481, 5 May 55

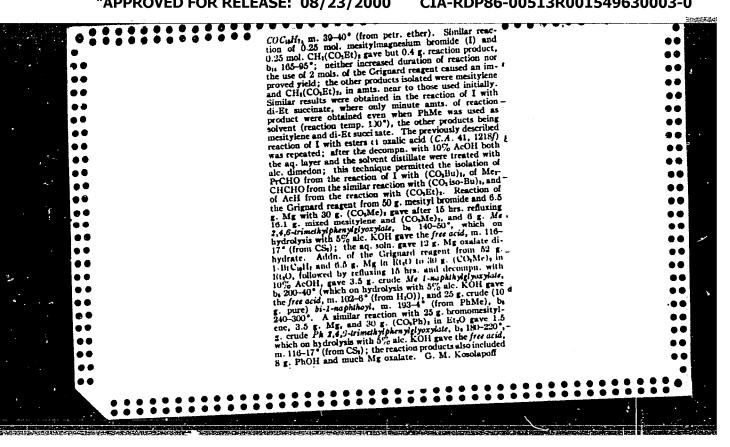
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### CIA-RDP86-00513R001549630003-0





SHKLYUDOV, R.

We are getting ready to receive new grain and corn in an organized way and to store it without losses. Muk.-elev. prom. 26 no.6:5.

Je '60. (MIRA 13:12)

1. Machal'nik Stavropol'skogo krayevogo upravleniya khleboproduktov. (Grain-Storage) (Corn (Maize)-Storage)

SHKLYUDOV, R.

improvements in the technology of treating hybrid and graded corn seed at the factories of Stavropol Territory.

Muk. elev. prom. 28 no.7:7-9 J1 '62. (MIRA 15:9)

1. Stavropol'skoye krayevoye upravleniye khleboproduktov.
(Stavropol Territory—Corn (Maize))
(Stavropol Territory—Grain handling)

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