"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

KUDRYASHOVA, L.K., tekhnik

Modernization of the ICh portable measuring instrument. Avtom., telem. i sviaz' 5 no.5:35-36 My '61. (MIRA 14:6)

1. Laboratoriya signalizatsii i svyazi Kazanskoy dorogi.
(Railroads—Electronic equipment)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

KUDRYASOVA, L. N.

SMIRNOV, M.P.; KUDRYASOVA, L.N.

Study of the constitution diagrams of PbS - Na_2S - Na_2SO_4. Tsvet. met.29 no.12:36-42 D '56. (MLRA 10:2)

1. Gintsvetmet.
(Systems (Chemistry)) (Lead sulfide) (Sodium sulfides)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

Kudryashova, L. N.

137-1958-3-4654

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 3, p 27 (USSR)

AUTHORS: Smirnov, M. P., Kudryashova, L. N.

TITLE: On the Mechanism of the Interaction Between Lead Sulfide and Alkalies (K mekhanizmu reaktsii vzaimodeystviya sul'fida svintsa so shchelochami)

PERIODICAL: Sb. nauchn. tr. Gos. n.-i. in-t tsvetn. met., 1957, Nr 13, pp 217-223

ABSTRACT: Pb, Na_2S, and Na_2SO_4 are formed when PbS reacts with an excess of NaOH, at temperatures between 500° and 700°. The excess of NaOH ensures fluidity of the fusion process. It is assumed that the reaction conforms to the formula:

$$4PbS + 8NaOH = 4Pb + 3Na_2S + Na_2SO_4 + 4H_2O.$$

Ye. Z.

Card 1/1

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

KUDRYASHOVA, L. N. of Gintsvetmet, SMIRNOV, M. P., LIDOV, V. P. and BLINOVA, L. A., and POLYVYANNYY, I. R. et al* o

"On Precipitation and Reaction Smelting of Lead Concentrates."

report submitted at a conference on new methods of lead production from concentrates, Gintsvetmet (State Inst. Non-Ferrous Metallurgy), Moscow, 22-25 June 58.

(for entire Conf. see card for LIDOV, V. P.)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

SOV/136-58-9-3/21

AUTHORS: Smirnov, M.P. and Kudryashova, L.N.

TITLE: Alkali Method of Lead Smelting (Shchelochnoy metod vyplavki svintsa)

PERIODICAL: Tsvetnyye Metally, 1958, Nr 9, pp 14-23 (USSR)

ABSTRACT: In the USSR the first research work on the alkali-fusion method of lead production was carried out in 1948 (ref 2) and the Gintsvetmet carried out further work (Refs 3,4,5) from 1953 onwards. The present report represents a continuation by the authors of their earlier work (ef 7) in this field. The method consists in the fusion at 600 - 700°C of raw concentrate with alkali to give pure lead and a melt containing the copper, zinc and gangue from the concentrate. The alkali is regenerated and a copper-zinc product is recovered from the melt by hydrometallurgical treatment. The authors discuss the mechanism of the process and give a flowsheet (Fig 1). They go on to describe laboratory experiments mainly with rich (73% Pb) but also with leaner (38-57% Pb) materials. For these the optimal alkali/concentrate ratio was found to be 0.7-1.0. The process is rapid, apparently

Card1/2

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

Alkali Method of Lead Smelting SOV/ 136-58-9-3/21

independent of external heat and gives a lead recovery in the metal of up to 96%. They recommend a flowsheet (Fig 3) for treatment of melts. This was tested on a large laboratory scale and enables 93% of the alkali in the melt to be extracted, 50-55% of this being free sodium hydroxide leached by water. The complexity of this flow-sheet is the main defect of the process, but this is not serious and in other ways the process is a simplification, eliminating sintering, shaft smelting and partly, refining. There are 3 figures, 10 tables and 7 references (1 German, 6 Soviet)

ASSOCIATION: Gintsvetmet

Card 2/2 1. Lead ores--Processing 2. Lead--Production

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

SMIRNOV, M.P.; KUDRYASHOVA, L.N.; SOLOVUSHKOV, A.A.; YEZERNITSKAYA, M. Ye.

Alkali method of lead smelting. Sbor. nauch. trud. GIHTSVETMET no.15:257-297 '59. (MIRA 14:4)
(Lead--Metallurgy) (Sodium hydroxide)
(Leaching)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

KHANINA, S.B.; RUDNITSKAYA, F.I.; KUDRYASHOVA, [illegible]

Clinical aspects of primary duodenal cancer. [illegible] med, 28 no.3:45-46 Mr '65. (MIRA 18:10)

1. 6-ya Klinicheskaya bolinitsa (glavnyy vrach G.I.Sidorov), Moskva.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

Review of Applied Mycology. V. 33, Part 1 Jan 1954

PETRUSHOVA (Mme N. I.) & KUDRYASHOVA (Mme L. S.). Борьба с заболеванием сеянцев Цитрусовых культур черной ножкой. [Control of black leg disease of Citrus nursery seedlings.]—Сад и Огород [*Orchard & Garden*], *1952*, 4, pp. 23–24, 1 fig., 1952.

Field and laboratory studies at the Molotov Botanical Garden, Nikitsky, U.S.S.R., have shown that citrus 'black leg', a disease of young citrus seedlings in Crimea, is caused by species of *Rhizoctonia*, *Pythium*, and *Fusarium*, the first being the most aggressive of the three. Symptoms characteristic of each fungus differ a little from one another. Leaves of the plants infected with *Rhizoctonia* wilt slightly, the collar becomes brown and thin, and the stem is infected 2 to 3 cm. above the ground, having a white, cobweb-like layer on the affected parts. *Pythium* sp. causes the collar region to turn yellow; the plant softens and succumbs. The stem is affected up to 1 cm. above the ground. *Fusarium* infection starts from the collar; the seedlings turn yellow and dry but do not die, and in damp air pink fructifications develop. The disease sometimes causes up to 60 to 70 per cent. deaths. On 10- to 30-year-old seedlings affected with 'black leg' bands develop at the collar, which in wet weather becomes covered by a white felt. The stems become brown and thinner at the base, the roots rot, and the seedlings wilt and die.

Experiments have shown that infection can penetrate, not only through injured, but also through quite sound tissues. A solution of formalin (0·5 per cent.) applied to the soil killed all three pathogens. Satisfactory control of *Pythium* and *Fusarium* was also obtained with a 5 per cent. copper compound, which, however, was not sufficiently effective against *Rhizoctonia*.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

IVANCHIKOVA, E.I.; KOLESNIKOVA, M.T.; KONOBRITSKAYA, Ye.M.; KUDRYASHOVA, M.M.; KUL'BAYEVA, Sh.N.; MEDVEDEVA, S.G.. Prinimali uchastiye: ABDULLINA, M.N.; KLIMENKO, K.M.; OVSYANKINA, V.I.; SOKOLOV, M.V.; URAZOVA, M.I.; VOROB'YEVA, G.P.. AKHMEDOVA, N.B., otv.red.; NOVOKHATSKIY, I.P., red.; SHEVCHUK, T.I., red.; AYTMUKHAMBETOVA, S.; ROROKINA, Z.P., tekhn.red.

[The Karaganda Economic Administrative Region; bibliography] Karagandinskii ekonomicheskii administrativnyi raion; bibliograficheskii ukazatel' literatury. Alma-Ata, 1959. 458 p. (MIRA 13:2)

1. Akademiya nauk Kazakhskoy SSR. Alma-Ata. TSentral'naya nauchnaya biblioteka.
(Bibliography--Karaganda Economic Region)
(Karaganda Economic Region--Bibliography)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

KUDRYASHOVA, M. S.

AID P - 3732

Subject : USSR/Chemistry

Card 1/1 Pub. 152 - 12/16

Authors : Glikman, S. A., O. G. Yefremova, M. S. Kudryashova, and A. B. Markman

Title : Effect of sodium and calcium ions on the thermostability of ethyl cellulose

Periodical : Zhur. prikl. khim. 28, 8, 877-880, 1955

Abstract : Treatment with HCl (0.5%) at 60°C for 2 hrs. decreased the thermostability of cellulose significantly. The viscosity of cellulose was 0.23. Addition of Na-or Ca-ions increases the thermostability of ethyl cellulose, which is ascribed to neutralization of the carboxyl groups present in ethyl cellulose. Two diagrams, 4 references, 1 Russian (1951).

Institution : None

Submitted : Ja 9, 1954

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

KRASYUKOV, A.F.; KUDRYASHOVA, M.S.

Electric properties of petroleum coke. Trudy Bash NII NP no.3:138-152 '60. (MIRA 14:4)
(Petroleum coke—Electric properties)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

LE INSON, L.B.; KOLOMINA, S.M.; KUDRYASHOVA, M.Ye.

Comparative and functional cytochemistry of vitamin C in nerve cells. Arkh. anat., gist. i embr. 44 no.2:10-17 F '63. (MIRA 17:2)

1. Kafedra tsitologii i gistologii biologo-pochvennovo fakul'teta (zav. - prof. G.I. Roskin) Moskovskogo gosudarstvennogo universiteta imeni Lomonosova.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

KUDRYASHOVA, M. YE., LEVINSON, L. B., KOLOMINA, S. N.

"Vitamin C in the Nerve Cells of Animals in Various Functional States."

report submitted for the First Conference on the problems of Cyto and Histochemistry, Moscow, 19-21 Dec 1960.

Chair of Cytology and Histology of the Biological-Soil Faculty of Moscow State University Imeni M. N. Lomonosov.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

KUDRYASHEVA, N. A.

CA

11 A

Temperature quotients of protein cleavage by proteolytic enzymes. A. V. Blagoveshchenskii and N. A. Kudryasheva. *Biokhimiya* 9, 248-55(1944).—A study was made of the digestion of gelatin, casein, edestin, gliadin, phaseolin, and amandin by the enzymes papain, trypsin, and the papainase from germinated seeds of *Phaseolus aureus*. The velocity and temp. quotients are specific for a particular enzyme and substrate, but are different for various proteins acted on by the same enzyme, or for a particular protein treated with different enzymes. In the hydrolysis of phaseolin and edestin by the proteinase of *Phaseolus aureus*, the rate of digestion and the lowering *pH* the energy of activation are much less when the exogenous protein edestin is used than when the endogenous protein phaseolin is employed. Different temp. quotients indicate different stabilities in the peptide bond.
H. Priestley

Chair, Plant Physiology, Cent. Asian Univ, Tashkent

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

11D

Catalase in the leaves of representatives of Leguminosae, Rosaceae, and Ranunculaceae. N. A. Kudryashova. *Doklady Akad. Nauk S.S.S.R.* 68, 111-14(1949). Catalase activity detns. at 15° and 25° with phosphate buffer exts. (pH 6.98) of representative samples of the families gave the av. reaction rate const. at 15° and 25°, temp. coeffs., and activation energies, as follows: Leguminosae: 0.0043 (time in sec.), 0.1065, 1.59, and 7,700 cal./mole; Rosaceae: 0.0360, 0.0834, 1 9,300; Ranunculaceae: 0.0393, 0.075, 2 14, and 12,000. Av. total N in the leaves is 33.68, 22.13, and 27.40 mg./g. (dry wt.), resp.

G. M. Kosolapoff

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

KOLOBKOVA, YE, V., KUDRYASHEVA, N. A.

KUDRYASHEVA, N. A.

Enzymes

Natures of Ferments in leaves. Trudy Glav. bot. sada 2, 1951.

9. Monthly List of Russian Accessions, Library of Congress, September 1952, Unclassified.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

1. BLAGOVESHCHENSKIY, A.V. - KUDRYASHOVA, N.A.

2. USSR (600)

4. Germination

7. Germination inhibitors in mature seeds. Biul. Giav. bot. sada no.13, 1952

9. Monthly list of Russian Accessions, Library of Congress, March 1953, Unclassified

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

KOLOBKOVA, Ye.V.; KUDRYASHOVA, N.A.

Biochemical characteristics of tea leaves from southern Kirghizistan. Biul.Glav.bot.sada no.14:53-55 '52. (MLRA 6:5)

1. Glavnyy botanicheskiy sad Akademii Nauk SSSR. (Tea)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

KUDRYASHOVA, N. A.

V Proteolytic enzymes of the leaves of Rosaceae. N. A. Kudryashova and E. V. Kolobkova. *Byull. Glavnogo Botan. Sada* 1953, No. 16, 51-5; *Referat. Zhur., Khim.* 1954, No. 36007.—Protease of the leaves of the majority of the investigated rosaceous plants showed low activities during the autolysis and during the action on gelatin. Exceptionally high activities were found in leaves of *Cerasus pumila*, *Sorbus*, and *Amygdalus*. The leaf protease of *Spiraea bumalda* showed no effect on the different plant proteins as compared with its effect on gelatin. Addn. of urea greatly increased the degree of the proteolysis, both in the case of autolysis and in the assocn. with various substrates, particularly with the globulin from the seeds of watermelon.

E. Wierbicki

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

KUDRYASHOVA, N. A.

(2)

Content of free amino acids in dormant seeds. N. A. Kudryashova and E. V. Kolobkova. *Doklady Akad. Nauk S.S.S.R.* 91, 1365-8(1953).—Paper chromatography was used on various dormant seeds (Williams and Kirby, *C.A.* 42, 5494f) with the following results (cystine, lysine, aspartic acid, glutamic acid, asparagine, alanine, proline, tryptophan, valine and leucine are listed below with + indicating presence, − indicating absence, in the usual manner): *Sophora japonica* −, −, −, −, −, −, −, −, −, −; *Cercis siliquastrum* trace, trace, trace, +, −, trace, −, −, −, −; *C. canadensis* −, trace, trace, trace, −, trace, −, −, −, −; *C. chinensis* −, trace, trace, −, −, −, −, −, −, −; *Lupinus* sp. −, trace, trace, trace, −, trace, −, −, −, −; *Phaseolus aureus* ++, +++, +++, +++, −, ++, −, −, +, −; *Phaseolus* sp. +++, +++, +++, +++, +, +++, −, ++, ++, +; *Pisum sativum* +, ++, ++, +++, +, +, −, −, +, ++; *Caragana arborescens* ++++, ++++, ++++, ++++, −, ++++, −, ++, +++, ++; *Cydonia japonica* trace, trace, trace, trace, −, −, −, −, −, −; *Rosa* sp. ++, +++, ++, +++, +++, +++, −, +, ++, −, −; *Prunus armeniaca* +, +++, ++, ++, +, ++, +, +, trace, trace; *Cerasus vulgaris* trace, ++, ++, +++, +, ++, +, ++, ++, ++; *Paeonia anomala*, *Trollius asiaticus*, *T. europaeus*, *Aquilegia* sp., *A. vulgaris*, *A. glauca*, *A. baicalensis*, *A. dichroa*, *A. bicolor*, *A. karelini* have no cystine, lysine, asparagine, proline, tryptophan, valine or leucine; some aspartic acid, glutamic acid and alanine are usually found. *Ranunculus bulbosus* contains all the acids except proline and leucine, while in *R. propinquus* their distribution is: −, −, +, +, −, +, −, +, −, −; *Thalictrum fortanus* −, +, +, +, −, −, −, +, −, +; *Th. minus* −, +, +, +, −, −, −, −, −, −; *Delphinium* sp., *D. cuneatum*, *D. retropilosum*, *D. confusum*, *Nigella sativa*, and *N. damascena* have much cystine, lysine, aspartic and glutamic acids, alanine, tryptophan, valine and leucine; the 1st 4 contain no proline, while the 2nd, 3rd and 4th contain no asparagine. *Zea* contains no free amino acids, while *Triticum vulgare*, *T. lutescens*, *T. durum* contain all but proline.

G. M. Kosolapoff

C.A. V-48
Jan 10, 1954
Botany

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

KUDRYASHOVA, N. A.

The seed proteins of the white and yellow acacia. E. V. Kolobkova and N. A. Kudryashova. *Byull. Glavn. Botan. Sada* 1954, No. 17, 57-61; *Referat. Zhur. Khim., Biol. Khim.* 1955, No. 5227.—Seeds of white and yellow acacia were defatted and extd. successively with H_2O, 4 and 10% $(NH_4)_2SO_4$ solns., and 0.2-2.0% soln. of NaOH. The H_2O- and $(NH_4)_2SO_4$-extd. proteins were pptd. with different concns. of $(NH_4)_2SO_4$, and the alk. exts. with AcOH. The seeds of white acacia yielded 7 salt-sol., 4 H_2O-sol., and 2 alkali-sol. proteins; the seeds of yellow acacia yielded 9 types of proteins most of which were salt-sol. The salt-sol. proteins of the seeds of white acacia salted out with greater difficulty than those of yellow acacia. All pptd. proteins possessed proteolytic properties, notably those of the white acacia seeds, which pptd. with 59-87% $(NH_4)_2SO_4$ satn.

B. S. Levine

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

KUDRYASHOVA, N.A.

The hinderer of sprouting of seeds of yellow acacia. E. V. Kolobkova and N. A. Kudryashova (Botan. Garden, Moscow). *Fiziol. Rastenii* 3, 115-20(1956).—The seeds of yellow acacia (*Caragana arborescens*) contain a substance which hinders sprouting of seeds. The most active material is found in unripe seeds, and the hindering action appears to lie in the monoamino monocarboxylic acid fraction. Chromatographic sepn. of this fraction showed small amts. of serine, glycine, alanine, tryptophan, valine, asparagine, and leucine group. Tests with pure amino acids showed that tryptophan has the strongest hindering action, being effective even in 0.00001*M* concn. Neither of these agents affect the activity of proteolytic enzymes in the plants.

G. M. Kosolapoff

2

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

KOLOBKOVA, Ye.V.; KUDRYASHOVA, N.A.

On the 70th birthday of Andrei Vasil'evich Blagoveshchenskii.
Biul. MOIP. Otd.biol. 64 no.6:151-155 N-D '59. (MIRA 13:5)
(BLAGOVESHCHENSKII, ANDREI VASIL'EVICH, 1889-)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

KOLOBKOVA, Ye.V.; KUDRYASHOVA, N.A.

Germination inhibitors. Trudy Glav. bot. sada 7:8-31 '61. (MIRA 14:3)

(Germination) (Growth inhibiting substances) (Tryptophan)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

KUDRYASHOVA, N.A.

Proteolytic enzymes of plants: proteolytic enzyme in seeds of the peanut plant. Trudy Glav.bot. sada 7:93-126 '61. (MIRA 14:3)
(Arachin)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

KUDRYASHOVA, N.A.

Proteolitic enzymes in the seeds of leguminous plants. Trudy Glav. bot. sada 8:60-74 '61. (MIRA 15:1)
(Leguminosae)
(Protease)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

KOLOBKOVA, Ye.V.; KUDRYASHOVA, N.A.

Amino acid composition and crude protein content in the herbage of vetch and sainfoin. Biul.Glav.bot.sada no.48:48-53 '63. (MIRA 17:5)

1. Glavnyy botanicheskiy sad AN SSSR.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

KUDRYASHOVA, N.A.; KOLOBKOVA, Ye.V.

Determination of tryptophan by paper chromatography. Biul. Glav. bot. sada no.54:75-80 '64. (MIRA 17:11)

1. Glavnyy botanicheskiy sad AN SSSR.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

L 44376-66 EWT(1)/EWT(m)/EEC(k)-2/T

ACC NR: AP6030612 SOURCE CODE: UR/0413/66/000/016/0101/0102

INVENTOR: Yefremov, V. F.; Ivanov, A. Ya.; Kudryashova, N. A.; Nikolayeva, A. N.; Prishchepo, V. A.

ORG: none

TITLE: Proton magnetometer. Class 42, No. 185090 [announced by Special Designing Bureau, State Geological Committee (Osoboye konstruktorskoye byuro Gosudarstvennogo geologicheskogo komiteta)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 16, 1966, 101-102

TOPIC TAGS: proton magnetometer, magnetometer, signal shaping, voltage regulator

ABSTRACT: A proton magnetometer, consisting of a signal-shaping unit and a voltage transformer connected by means of a controlled electronic switch to a frequency divider, time generator, and scaling and recording units, has been designed to facilitate a broader measurement range. An auxiliary generator is connected by controlled electronic switches to the frequency divider and scaler and has gang tuning with selector elements of the magnetometer input circuit. To regulate pulses from the auxiliary generator to the scaler, an electronic switch controlled by the pulse current of the voltage transformer is connected

Card 1/2 UDC: 550.380.8

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

L 44376-66

ACC NR: AP6030612

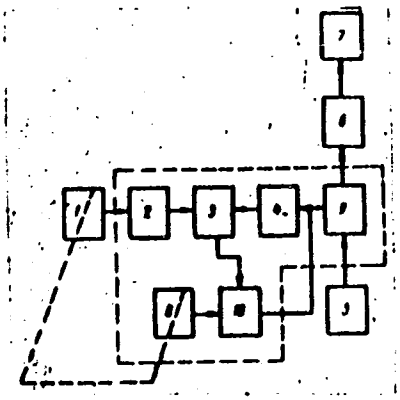


Fig. 1. Proton magnetometer

1 - Signal-shaping unit; 2 - voltage transformer; 3 - electronic switch; 4 - frequency divider; 5 - time generator; 6 - scaler; 7 - recorder; 8 - auxiliary generator; 9/10 - electronic switches.

by another electronic switch to the output of the auxiliary generator. The block diagram in Fig. 1 shows the arrangement of the components. Orig. art. has: 1 figure. [DM]

SUB CODE: 08/ 09/ 18/ SUBM DATE: 28Mar63/ ATD PRESS: 5077

Card 2/2 hs

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

KUDRYASHOVA, N.D., Cand Med Sci--(diss) "Determination of ~~the~~ localization of ~~retinal tears~~ lacerations of the retina in its high exfoliations." Kuybyshev, 1953. 12 pp (Min of Health RSFSR. Kuybyshev Med Inst), 220 copies (KL, 47-58, 135)

- 70 -

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

KUDRYASHOVA, N.D., assistent

Locating lacerations of the retina in high detachment. Vest.oft. 72 no.5:26-34 S-O '59. (MIRA 13:3)

1. Glaznaya klinika (direktor - prof. T.I. Yeroshevskiy) Kuybyshevskogo meditsinskogo instituta.
(RETINAL DETACHMENT, diag.)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

KUDRYASHOVA, N. D., kand. med. nauk

Projection of ruptures of the retina onto the sclera in myopic eyes. Oft. zhur. no.2:75-78 '62. (MIRA 15:4)

1. Iz kliniki glaznykh bolezney (dir. - prof. T. Ye. Yeroshevskiy) Kuybyshevskogo meditsinskogo instituta.

(RETINA—WOUNDS AND INJURIES)
(MYOPIA) (OPHTHAMAIMOSCOPY)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

AZANOVSKAYA, M.M.; YEMEL'YANOV, N.P.; KUDRYASHOVA, N.D.; ROMANOVSKAYA, L.P.

Condensation of 1,3-cyclohexadiene with some ethylene dienophiles. Dokl. AN BSSR 9 no.2:97-100 F '65. (MIRA 18:5)

1. Institut fiziko-organicheskoy khimii AN BSSR.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

YEMEL'YANOV, N.P.; AZANOVSKAYA, M.M.; KUDRYASHOVA, N.D.

Intermolecular hydrogen disproportionation in the system cyclohexadiene - benzil. Dokl. AN BSSR 9 no.9:588-590 S '65. (MIRA 18:11)

1. Institut fiziko-organicheskoy khimii AN BSSR. Submitted January 12, 1965.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

AZANOVSKAYA, M.M. [deceased]; YEMEL'YANOV, N.P.; SEMYACHKO, R. Ya.; KUDRYASHOVA, N.D.

Disproportionation of hydrogen in 1,3-cyclohexadiene under thermal dimerization. Dokl. AN BSSR 9 no. 11:729-732 N '65 (MIRA 19:1)

1. Institut fiziko-organicheskoy khimii AN BSSR.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

SMIRNOVA, Ye.K.; VASIL'KOVA, I.V.; KUDRYASHOVA, N.F.

Enthalpy of the formation of the chloroniobates and chlorotantalates of rubidium and cesium. Zhur. neorg. khim. 9 no.2:489-490 F'64. (MIRA 17:2)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

KUDRYACHOVA, N. I.

KUDRYACHOVA, N. I.- "Significance of Spatial Distribution of Conditional Irritants in Complicated Conditioned Reflex Motor Activity of Animals." First Leningrad Med Inst imeni Academician I. P. Pavlov, Chair of Normal Physiology, Leningrad, 1955 (Dissertations for Degree of Candidate of Medical Sci nces)

SO: Knizhnaya Letopis' No. 26, June 1955, Moscow

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

KUDRYASHOVA, N.I.

Significance of spatial distribution of conditioned stimuli in complex conditioned reflex activity of animals [with summary in English]. Zhur.vys.nerv. deiat. 8 no.5:702-709 S-O '58 (MIRA 12:1)

1. Kafedra normal'noy fiziologii Leningradskogo meditsinskogo instituta im. I.P. Pavlova.
(REFLEX CONDITIONED,
eff. of spatial distribution of conditioned stimuli on complex reflex activity in animals (Rus))

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

KUDRYASHOVA, N.I.; KHROMOV-BORISOV, N.V.

Synthesis of xycaine. Med.prom. 13 no.7:32-35 Jl '59. (MIRA 12:10)

1. Institut eksperimental'noy meditsiny AMN SSSR.
(XYCAINE)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

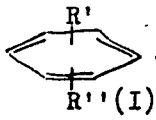
5(3) SOV/79-29-4-45/77

AUTHORS: Kudryashova, N. I., Remizov, A. L., Khromov-Borisov, N. V.

TITLE: Arylamides of Dialkylamino Acetic Acids (Arilamidy dialkilaminouksusnykh kislot)

PERIODICAL: Zhurnal obshchey khimii, 1959, Vol 29, Nr 4, pp 1240-1244 (USSR)

ABSTRACT: In the article under review the authors describe the synthesis of the above arylamides of the general formula (I)



— $NHCOCH_2NR_2$, as well as the data concerning the determination of the dissociation constants of these compounds. It was interesting to note to what extent the pharmacological activity of these compounds (I) depends on the quantity, position, and nature of the radicals R' and R'' in the benzene nucleus and in what way a change in the structure of the dialkylamino group NR_2 affects the compounds. The substituents for R' and R'' were H, CH_3, NO_2, NH_2, $N(CH_3)_2$; the diethylamino- and piperidine radicals were used as dialkylamino groups for NR_2.

Card 1/2

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

Arylamides of Dialkylamino Acetic Acids

SOV/79-29-4-45/77

The synthesis took place in two stages (Scheme). The initial aromatic amines (IV) were aniline, o- and p-toluidine, m-4- and m-2-xylidine, p-nitroaniline, and dimethyl-p-phenylenediamine. The amides of monochloroacetic acid (V) obtained from them were caused to react in the second stage with diethylamine and piperidine. The bases synthesized by this method passed to hydrochlorides and methiodides. The dissociation constants of the compounds obtained were determined and compared with their pharmacological activity. There were no indications that the pharmacological activity might be a direct function of the basicity of these compounds. Xycaine and isoxycaine (Nr 5 and Nr 4 in table 2) are being examined clinically. In table 1 all synthesized compounds are listed. There are 2 tables and 10 references 3 of which are Soviet.

ASSOCIATION: Institut eksperimental'noy meditsiny Akademii meditsinskikh nauk SSSR (Institute of Experimental Medicine of the Academy of Medical Sciences, USSR)

SUBMITTED: March 12, 1958

Card 2/2

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

SOV/79-29-6-24/72

5(3)

AUTHORS: Kudryashova, N. I., Davidenkov, L. R., Khromov-Borisov, N. V.

TITLE: Synthesis of 2-(3',4',5'-Trimethoxy-benzyl)-benzimidazole (Sintez 2-(3',4',5' -trimetoksibenzil)-benzimidazola)

PERIODICAL: Zhurnal obshchey khimii, 1959, Vol 29, Nr 6, pp 1885 - 1888 (USSR)

ABSTRACT: Subject of the present paper is the synthesis of the above-mentioned compound (III) which is a trimethoxy-derivative of the well-known drug Dibazol (2-benzyl-benzimidazole). This synthesis was easily carried out by the authors by condensation of o-phenylene diamine (I) with 3,4,5-trimethoxy-phenyl-acetic acid (II) (Scheme 1). Most difficult was the synthesis of the acid (II) since so far no convenient synthesis method was suggested. It was carried out according to scheme 2. The initial product was the gallic acid (IV) which was methylated to (V). (V) was transformed into the methyl ester (VI). From the hydrazide of this ester (VII) resulted (VIII) on oxidation with potassium ferricyanide. On condensation of this aldehyde with hippuric acid the corresponding azolactone (IX) was obtained which was subjected to hydrolysis, oxidation with H_2O_2, and esterification. All these processes took place without separation of the intermediates. The

Card 1/2

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

Synthesis of 2-(3',4',5'-Trimethoxy-benzyl)-benzimidazole SOV/79-29-6-24/72

mixture obtained in this way from the methyl esters of the trimethoxy-phenyl-acetic acid and benzoic acid was easily separated by vacuum distillation. By saponification of methyl-trimethoxy-phenyl-acetate the acid (II) was obtained. Its synthesis was carried out smoothly in spite of the many steps and does not require any difficultly accessible reagents. The condensation of (II) with o-phenylene diamine (I) also proceeds smoothly at 180° in equimolar quantities. The preliminary pharmacological investigation of the end product (III), carried out by O. D. Kozlov, showed that this preparation, like Dibazol, has a certain hypotensive and spasmolytic effect. There are 7 references, 3 of which are Soviet.

ASSOCIATION: Institut eksperimental'noy meditsiny Akademii meditsinskikh nauk SSSR (Institute of Experimental Medicine of the Academy of Medical Sciences, USSR)

SUBMITTED: May 20, 1958

Card 2/2

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

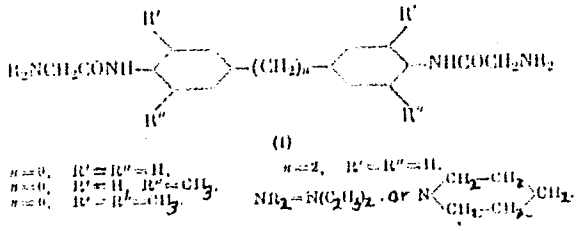
SOV/79-30-3-33/60

AUTHORS: Kudryashova, N. I., Khromov-Borisov, N. V.

TITLE: Bis-Dialkylaminoacetyl Derivatives of Benzidine and 4,4'-Diaminodiphenylethane Series

PERIODICAL: Zhurnal obshchey khimii, 1960, Vol 30, Nr 3, pp 902-906 (USSR)

ABSTRACT: Several new anesthetic compounds of the general formula (I) were synthesized.



(I)

$n=0$, $R'=R''=H$; $n=0$, $R'=H$, $R''=CH_3$; $n=0$, $R'=R''=CH_3$; $n=2$, $R'=R''=H$; $NR_2=N(C_2H_5)_2$ or $N\langle CH_2-CH_2 \rangle CH_2$

The following starting amines were used: benzidine, o-toluidine, 3,3',5,5'-tetramethylbenzidine and 4,4'-diaminodiphenylethane. 3,3',5,5'-tetramethyl

Card 1/4

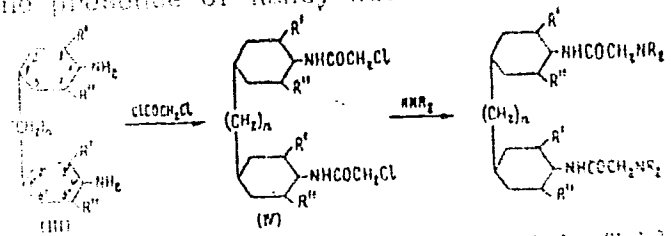
APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

Mis-Dialkylaminoacetyl Derivatives of Benzidine and 4,4'-Diaminodiphenylethane Series

78279
SOV/79-30-3-33/69

4,4'-diaminodiphenylethane. 3,3',5,5'-tetramethyl-4,4'-diaminobiphenyl was prepared for the first time by methylation of hydrochloride of o-toluidine with methyl alcohol in sealed tube at 300-310°. 4,4'-Diaminodiphenylethane was synthesized by reduction of dinitrodibenzyl with hydrazine hydrate in the presence of Raney nickel in alcohol.



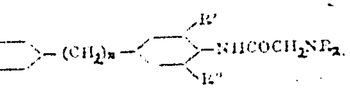
The synthesized compounds are listed in Table 1. The pharmacological investigation of the synthesized compounds was carried out by P. Ye. Motivilov and O. G. Plota. There are 2 tables; 7 references.

Card 2/4

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

78270
SOV/79-30-3-33/69



(1)	n	R'	R"	NR_2	(2)	(3) (4) C	(3) (4) H	(3) (4) N	(3) (5) C	(3) (5) H	(3) (5) N
1	0	H	H	$N(C_2H_5)_2$	135–136°	[illegible]	8.50	13.7[illegible]	[illegible]	[illegible]	[illegible]
2	0	H	H	NC_5H_{10}	210–212	71.81	7.62	12.80	[illegible]	[illegible]	[illegible]
3	0	H	CH_3	$N(C_2H_5)_2$	164–165	71.29	8.75	12.01	[illegible]	8.7[illegible]	[illegible]
4	0	H	CH_3	NC_5H_{10}	202–204	72.68	8.3[illegible]	12.07	[illegible]	8.2[illegible]	[illegible]
5	0	CH_3	CH_3	$N(C_2H_5)_2$	220.5–223	[illegible]	9.00	12.15	[illegible]	9.07	[illegible]
6	0	CH_3	CH_3	NC_5H_{10}	205–207	[illegible]	8.81	11.50	[illegible]	[illegible]	[illegible]
7	2	H	H	$N(C_2H_5)_2$	116–118	71.23	8.71	12.58	71.1[illegible]	[illegible]	[illegible]
8	2	H	H	NC_5H_{10}	164–165	72.60	8.20	12.21	[illegible]	8.26	[illegible]

(1)	(6)	(7) (4) N	(7) (4) Cl	(7) (5) N	(7) (5) Cl	(9)	(8) % N (4)	(8) % N (5)
1	273° (разл.)	11.4[illegible]	[illegible].57	11.58	14.66	248–250°	8.15	[illegible]
2	283–285 (разл.)	11.0[illegible]	[illegible].71	11.04	13.91	245–247 (разл.)	7.95	[illegible]
3	277–280	10.72	—	10.95	—	218 (разл.)	[illegible]	[illegible]
4	257.5–258	10.33	—	10.46	—	235–237	7.51	[illegible]
5	247–251	—	13.06	—	13.14	225–230 (разл.)	7.24	[illegible]
6	268–271 (разл.)	—	12.60	—	12.58	267.5–270	[illegible]	[illegible]
7	222–225	10.78	—	10.95	—	218.5–220.5	7.50	[illegible]
8	258–262 (разл.)	10.38	—	10.46	—	224–227 (разл.)	[illegible]	[illegible]

Card 3/4

(Key to Table 1 on Card 4/4)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

78279
SOV/79-30-3-33/69

Bis-Dialkylaminoacetyl Derivatives of Benzidine and 4,4'-Diaminodiphenylethane Series

Key to Table 1. (1) Nr; (2) mp; (3) base; (4) found; (5) calculated (%); (6) mp; (7) bis-(acid chloride) of; (4) found (%); (5) calculated (%); (8) bis-methiodide of; (9) mp; (4) found; (5) calculated.

3 Soviet, 2 U.S., 1 French, 1 German. The 2 U.S. references are: Carlin, R. B., J. Am. Chem. Soc., 67, 928 (1945); Carlin, R. B., Forshey, W. O., J. Am. Chem. Soc., 72, 793 (1950).

ASSOCIATION: Institute of Experimental Medicine of the Academy of Medical Sciences of the USSR (Institut eksperimental'noy meditsiny Akademii meditsinskikh nauk SSSR)

SUBMITTED: April 20, 1959

Card 4/4

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

KUDRYASHOVA, N.I.; KHROMOV-BORISOV, N.V.

Synthesis and separation of stereoisomers of asymmetrically built compounds having local anesthetic properties. Zhur. ob. khim. 30 no.12:4035-4038 D '60. (MIRA 13:12)

1. Institut eksperimental'noy meditsiny Akademii meditsinskikh nauk SSSR, Leningrad.

(Anesthetics)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

LEGOSTEV, B.I.; KUDRYASHOVA, N.I.; KHROMOV-BORISOV, N.V.

Significance of the nitro group in the development of pharmacological effects of certain arylamides in substituted aminoacetic acids. Farm.i toks. 24 no.1:40-44 Ja-F '61. (MIRA 14:5)

1. Kafedra farmakologii (zav. - doktor meditsinskikh nauk A.V. Val'dman) I Leningradskogo meditsinskogo instituta imeni akad. I.P. Pavlova.
(GLYCINE) (AMIDES)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

KUDRYASHOVA, N.I.; KHROMOV-BORISOV, N.V.; MOSHKOVSKAYA, I.P.

Derivatives of diacetyl-*m*-phenylenediamine containing quaternary ammonium groups in the acetyl radicals. Zhur.ob.khim. 30 no.10: 3343-3346 O '61. (MIRA 14:4)

1. Institut eksperimental'noy meditsiny Akademii meditsinskikh nauk SSSR.

(Phenylenediamine)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

KUDRYASHOVA, N.I.; KHROMOV-BORISOV, N.V.

Alkylated amines of the aromatic series. Part 3: N,N-dimethyl -2-m-xylidine. Zhur.ob.khim. 31 no.7:2263-2270 Jl '61. (MIRA 14:7)

1. Institut eksperimental'noy meditsiny Akademii meditsinskikh nauk SSSR.

(Xylidine) (Azo dyes)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

MUDRYASHOVA, N.I.; KHROMOV-BORISOV, N.V.

Preparation of chloroacetyl and diethylaminoacetyl derivatives of optically active amines. Zhur.ob.khim. 32 no.4:1182-1187 Ap '62. (MIRA 15:4)

1. Institut eksperimental'noy meditsiny Akademii meditsinskikh nauk SSSR, Leningrad.

(Amines)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

TORF, S.F.; KUDRYASHOVA, N.I.; KHROMOV-BORISOV, N.V.; MIKHAYLOVA, T.A.

Synthesis of some derivatives of pyrazole containing the diethylaminoacetylamino or trimethyl ammonium group in the position 4. Zhur.ob.khim. 32 no.6:1740-1746 Je '62. (MIRA 15:6)

1. Institut eksperimental'noy meditsiny Akademii meditsinskikh nauk SSSR, Leningrad.

(Pyrazole)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

KUDRYASHOVA, N. I.; KHROMOV-BORISOV, N. V.; BOBROVA, M. N.; MIKHAYLOVA, T. A.

Interaction of 1,3,5-N,N-pentaalkyl-4-aminopyrazoles with alkylating agents. Zhur. ob. khim. 33 no.1:173-179 '63. (MIRA 16:1)

1. Institut eksperimental'noy meditsiny AMN SSSR, Leningrad.

(Pyrazole) (Alkylation)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

KHROMOV-BORISOV, N.V.; KUDRYASHOVA, N.I.; BOBROVA, M.N.

Synthesis of diethylglycine esters of methylbenzoylcarbinol and phenylacetylcarbinol. Zhur.ob.khim. 32 no.10:3207-3211 O '62. (MIRA 15:11)

1. Institut eksperimental'noy meditsiny AMN SSSR.
(Glycine) (Esters)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

CHUGUNOV, Yu.D.; FLINT, V.Ye.; SAF'YANOVA, V.M.; KUDRYASHOVA, N.I.

Protection of humans from infection with zoonotic cutaneous leishmaniasis in populated points of southern Turkmenistan. Report No.1. Med.paraz.i paraz.bol. no.1:39-43 '62.

(MIRA 15:5)

1. Iz otdela bolezney s prirodnoy ochagovost'yu Instituta epidemiologii i mikrobiologii imeni N.F. Gamalei AMN SSSR (zav. - prof. P.A. Petrishcheva).

(DELHI BOIL) (TURKMENISTAN--ANIMALS AS CARRIERS OF DISEASE)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

CHUGUNOV, Yu.D., SAF'YANOVA, V.M.; KUDRYASHOVA, N.I.; FLINT, V.Ye.; RYZHKOV, M.V.; MAL'TSEV, M.I.

Testing the effect of a mixture of automobile exhaust gases and insecticide dust for the formation of a protective zone in a focus of cutaneous leishmaniasis. Vop.kraev.paraz. Turk.SSR 3:153-156 '62. (MIRA 16:4)

1. Institut epidemiologii i mikrobiologii imeni N.F.Gamaleya, Moskva, i Okruzhnoy gospital' pogranichnykh voysk Turkmenskogo okruga.
(SAND FLIES--EXTERMINATION) (GERBILS--EXTERMINATION)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

KUDRYASHOVA, N.I.; TARASEVICH, I.V.

Chiggers in a natural focus of tsutsugamushi fever in the southern part of the Maritime Territory. Med. paraz. i paraz. bol. 33 no.6:718-721 N-D '64.

(MIRA 18:6)

1. Institut epidemiologii i mikrobiologii imeni Gamalei AMN SSSR, Moskva.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

TARASEVICH, I.V.; KULAGIN, S.M.; KUDRYASHOVA, N.I.; GOPACHENKO, I.M.; SOMOV, G.P.

Natural focus of tsutsugamushi fever. Zhur.mikrobiol.,epid. i immun. 41 no.5:19-24 My '64. (MIRA 18:2)

1. Institut epidemiologii i mikrobiologii imeni Gamalei AMN SSSR i Vladivostokskiy institut epidemiologii i mikrobiologii.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

KUDRYASHOVA, N.I.

New species of chiggers from genera Neotrombicula Hirst, 1925 and Hauslipia Ewing, 1944 (Acariformes, Trombiculidae). Zool. zhur. 44 no.1:133-135 '65. (MIRA 18:4)

1. Institut epidemiologii i mikrobiologii AMN SSSR, Moskva.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

ACC NR: AP6024437 SOURCE CODE: UR/0016/66/000/007/0036/0038

AUTHOR: Mirolyubova, L. V.; Kudryashova, N. L.; Tarasevich, I. V.

ORG: Institute of Epidemiology and Microbiology im. Gamaleya, AMN SSSR, Moscow (Institut epidemiologii i mikrobiologii AMN SSSR)

TITLE: The use of the fluorescent-serological method for determination of natural tsutsugamushi fever infection of mites (Trombicula)

SOURCE: Zhurnal mikrobiologii, epidemiologii i immunobiologii, no. 7, 1966, 36-38

TOPIC TAGS: infective disease, animal disease, Rickettsial disease, antibody, tsutsugamushi fever, serology, animal parasite

ABSTRACT:
An indirect fluorescent-serological method was used to determine natural infection of trombiculid mites with *Rickettsia tsutsugamushi*. Smears were prepared on slides by squeezing the contents of the mite into a drop of distilled water and then transferring a proportion of this suspension to the second slide with a pipette. One of the smears served as a control. The chitinous shells of the mites were preserved for subsequent determination of species. Serum obtained from immunization of rabbits using a *R. tsutsugamushi*

Card 1/2 UDC: 576.895.42.095.38:576.851.71].074.537.533.35

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

ACC NR: AP6024437

antigen was used for the first stage in preparing the smears. The antirabbit fluorescent serum was administered to a goat in a 1:2 dilution. Experiments using *R. mooseri*, *R. burneti*, *R. tsutsugamushi*, and *D. sibiricus* antigens established the high specificity of these sera. Specific luminescence was noted on the cell periphery only in smears containing *Rickettsia tsutsugamushi*, but not at all in control smears treated first with normal rabbit serum, then with fluorescent antirabbit serum. With the aid of fluorescent antibodies, *Rickettsia tsutsugamushi* was revealed in 18 (15 related to *L. pavlovskyi*, 3 to *N. japonica* species) of 100 Trombiculid mites (larvae) collected from rodents in the Southern Primor'ye where a natural tsutsugamushi fever focus was revealed in 1963. In positive cases, not more than 10—15 rickettsia were observed in the visual field, while not less than 50—100 rickettsia, in close groups of 20—25 cells, were observed in *Leptotrombidium pavlovskyi* smears. These results were confirmed by a positive biological test performed on mice using mite larvae. [WA-50; CBE No. 11]

SUB CODE: 06/ SUBM DATE: 28Dec64/ ORIG REF: 002/ OTH REF: 002/

[illegible] [WA-50; CBE No. [illegible]

Card 2/2

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

K. [illegible] N. I.

4

Chemical Abst.
Vol. 48 No. 8
Apr. 25, 1954
Organic Chemistry

2)

Reaction of α-oxides of vinylacetylene series with oxygen-containing compounds and organomagnesium compounds. F. Ya. Perveev and N. I. Kudryashova. J. Gen. Chem. (U.S.S.R.) 22, 1623-[illegible] transl. translation. See C.A. 47, 9251a

H. L. H.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

USSR/Chemistry - Acetylene Derivatives Nov 52

238T27

"The Reaction of the α-Oxides of the Vinyl Acetylene Series with Oxygen-Containing and Organo-Magnesium Compounds. II," F. Ya. Perveyev and N. I. Kudryashova, Leningrad State U, Chair of the Structure of Organic Compounds

"Zhur Obshch Khim" Vol 22, No 11, pp 1964-1970

During the reaction of 2-methyl-oxido-1, 2-hexene-5-yne-3 with alcs in the presence of sulfuric and oxalic acids, tertiary monoethers of glycol were separated out -- derivs of methyl, propyl, n.-butyl, isobutyl and hexyl alcs. During the reaction of 3-methyl-oxido-2, 3-heptene-6-yne-4 with alcs in the presence of the same reagents, monoethers were obtained which were the derivs of methyl, isopropyl, propyl and n.-butyl alcs. During the reaction of 2-methyl-oxido-1, 2-hexene-5-yne-3 and 3-methyl-oxido-2, 3-heptene-6-yne-4 with alcs in the presence of alk catalysts (alcoholates of Na, NaOH, $Ba(OH)_2$), primary and secondary monoethers resp were separated out. These were derivs of methyl, propyl and n.-butyl alcs. The action of the acid catalysts resulted only in the formation of tertiary monoethers of glycols. But alk catalysts produced a primary monoether for 2-methyl-oxido-1, 2-hexene-5-yne-3 and a secondary one for 3-methyl-oxido-2, 3-heptene-6 yne-4. The rate of formation of monoethers of glycol in the presence of alk catalysts decreases in proportion to the decrease in the acidity of the H in the hydroxyl group of the reacting alc; the rate of formation of the monoether of glycol, in the presence of alk catalysts, drops in accordance with a decrease in the soly in alcohol of the alk catalyst being considered.

KUDRYASHOVA N. I.

238T27

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

KUDRYAFHOVA, N. I.

Chemical Abst.
Vol. 48 No. 5
Mar. 10, 1954
Organic Chemistry

(3)

Reaction of α-oxides of the vinylacetylene series with oxygen-bearing and [illegible] compounds. III. F. Ya. Perveev and N. I. Kudryafhova (Leningrad State Univ.). *Zhur. Obshchei Khim.* 23, [illegible] (1953); cf. *C.A.* 47, 10491h. —Cleavage of the oxide ring with RMgX occurs at the α-C atom. To EtMgBr was added 30 g. $CH_2:CHC:CCMe.CHMe.O$ (I) in Et_2O with cooling, the mixt. let stand overnight, and treated with 30% AcOH, yielding 54% *3-methyl-3-ethyl-6-hepten-4-yn-2-ol*, b_{10} 81–2°, d_8 0.9216, d_{18} 0.9002, n^{20}_D 1.4824, which with cold 3% $KMnO_4$ gave $(CO_2H)_2$ and a *HO acid*, $C_7H_{14}O_3$, isolated as the *Ca salt*. Similarly, $CH_2:CHC:CCMe.CH_2O$ (II), and EtMgBr gave 66.5% *2-methyl-2-ethyl-5-hexen-3-yn-1-ol*, b_4 72–3°, d_{20} 0.9041, n^{20}_D 1.4889, which with $KMnO_4$ gave a *HO acid*, $C_6H_{12}O_3$, isolated as the *Ca salt*. Passage of 40 g. $CH_2:CHC:CH$ into EtMgBr and addn. of 34 g. I gave 20 g. $CH_2:CHC:CCMe[CH(OH)Me]C:CCH:CH_2$, b_6 103–4°, d_{21} 0.9390, d_8 0.9597, n^{20}_D 1.5225, which hydrogenated over Raney Ni to the *satd. analog*, b_{10} 107–8°, d_8 0.8609, d_{17} 0.8458, n^{20}_D 1.4471. Similarly 40 g. II gave 23 g. $CH_2:CHC:CCMe(CH_2OH)C:CCH:CH_2$, b_8 109–10°, d_8 0.9668, d_{20} 0.9476, n^{20}_D 1.5292, hydrogenated to the *satd. analog*, b_7 95–6°, d_{20} 0.8427, n^{20}_D 1.440. The rule of the ring opening with RMgX is explained by the greater pos. charge on the α-C atom of the ring in the above oxides because of the presence of C:C link. G. M. Kosolapoff

NF
7-27-54

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

KUDRYASHOVA, N. I.

Reaction of hydrogen sulfide with oxides of the acetylene and vinylacetylene series. I. Synthesis of vinyl- and alkylthiophenes. F. Ya. Perveev and N. I. Kudryashova (Leningrad State Univ.). *Zhur. Obshchei Khim.* 23, 976-80(1953).—The reaction of oxides of the C_2H_3 and CH_3:-CHC:CH series with H_2S in the presence of $Ba(OH)_2$ is a general method for the prepn. of vinyl- and alkylthiophenes.

The reaction consists probably of the initial formation of a vicinal thiol alc., dehydration of this to an unsatd. thiol, and ring closure by addn. of the SH group across the triple bond. H_2S passed into a well-agitated mixt. of 20 g. $Ba(OH)_2$ in 150 ml. H_2O with simultaneous addn. of 30 g. *2-methyl-1,2-oxido-5-hexen-3-yne*, b_{18} 50-1°, d_{20} 0.9249, n^{20}_D 1.4739, at such a rate as to keep the temp. below 50°, followed by passage of H_2S 1 hr. longer, acidification with AcOH, and extn. with Et_2O, gave 73-5% *2-vinyl-4-methylthiophene*, b_{18} 67-70°, n^{20}_D 1.5380, d_{20} 1.0110, which slowly polymerized in air; it gives a characteristic indophenine reaction with isatin and forms a cryst. product with $Hg(OAc)_2$. Hydrogenation in Et_2O over Raney Ni gave a *dihydro deriv.*, b. 158-9°, n^{20}_D 1.5061, d_{20} 0.9652, which with $KMnO_4$ gave *4-methyl-2-thiophenecarboxylic acid*, m. 120-1°, also obtained on oxidation of the vinyl compd. Similar reaction of *3-methyl-2,3-oxido-6-hepten-4-yne* (the H_2S stream was passed in 8 hrs. at 60-70°) gave 17 g. *2-vinyl-4,5-dimethylthiophene*, b_8 68-70°, n^{20}_D 1.5545, d_{18} 0.9938; with $Hg(OAc)_2$ this yields a *solid*, decomp. 250°; with isatin and H_2SO_4 a deep red color is formed. If the synthesis is run at 80-90° the reaction is complete in 2 hrs., with a slightly higher yield, along with tarry by-products. Passage of 30 l. MeC:CH into an EtMgBr soln. over 12 hrs., followed by addn. of 15 g. $EtCOCH_2Cl$ and treatment with 30% AcOH, gave *2-ethyl-1-chloro-3-pentyn-2-ol*, b_8 75-7°, n^{20}_D 1.4711, d_{20} 1.0571. This with powd. KOH in Et_2O gave *2-ethyl-1,2-oxido-3-pentyne*, b_8 40-1°, n^{20}_D 1.4435, d_{20} 0.8960, which treated with H_2S as described above at 50-60°, yielded 15 g. (from 25 g. oxide) *2-methyl-4-ethylthiophene*, b. 161-2°, d_{20} 0.9710, n^{20}_D 1.5070, giving a violet color with isatin-H_2SO_4, and forming a solid with $Hg(OAc)_2$; oxidation with $KMnO_4$ gave an *acid*, m. 97-9° (cf. Shepard, *C.A.* 26, 4330). Similarly the Grignard reagent from MeC:CH and MeCHClAc gave 65% *3-methyl-2-chloro-4-hexyn-3-ol*, b_7 66-7.5°, n^{20}_D 1.4671, d_{18} 1.0535, yielding with powd. KOH *3-methyl-2,3-oxido-4-hexyne*, b_{14} 43-4°, b_{18} 59-60°, d_{20} 0.8856, n^{20}_D 1.4410, which with H_2S, as above, at 50-60° gave, from 20 g. oxide, some 8 g. *2,4,5-trimethylthiophene*, b. 162-3°, n^{20}_D 1.5164, d_{20} 0.9730 for a 73% yield, since some 10 g. oxide failed to react. At 80-90° the reaction goes to completion in a shorter period. *3-Methyl-2,3-oxido-6-hepten-4-yne*, b_{12} 54-5°, d_{20} 0.9005, n^{20}_D 1.4881.

G. M. Kosolapoff

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

KUDRYASHOVA, N. I.

Reaction of hydrogen sulfide with oxides of acetylene and vinylacetylene series. II. Synthesis of phenylthiophenes. F. Ya. Perveev and N. I. Kudryashova (Leningrad State Univ.). Zhur. Obshchei Khimii 23, 1680-71(1953); cf. C.A. 48, 8210i.—PhC:CMgBr (0.75 mole) in 400 ml. Et_2O treated with 80 g. $EtCOCH_2Cl$ and the mixt. let stand overnight and treated with 30% AcOH yielded 68 g. $PhC:CC(OH)EtCH_2Cl$, b_4 140-1°, n_D^{19} 1.5578, d_{20} 1.1067, which with powd. KOH gave $PhC:CCEt.CH_2O$, b_4 111-12°, n_D^{19} 1.5520, d_{20} 1.0112. This (30 g.), 20 g. $Ba(OH)_2$, and 150 ml. H_2O treated 4 hrs. at 60° with H_2S, acidified with AcOH, and extd. with Et_2O yielded 66.3% *2-phenyl-4-ethylthiophene*, b_4 125-6°, n_D^{19} 1.6115, d_{20} 1.0779; with Hg acetate it yields a ppt., m. 190-6°; with isatin-H_2SO_4 it gives a violet color. Similarly $PhC:CCMe.CH_2O$, b_4 108-9°, n_D^{19} 1.5552, d_{20} 1.0278, gave 54.5% *2-phenyl-4-methylthiophene*, b_4 123-4°, n_D^{19} 1.6299, d_{20} 1.1102, m. 16.5-17.5°, which with Hg acetate yields a salt, m. 177.0°. Similarly $PhC:CCMe.CHMe.O$, b_4 121-2°, n_D^{19} 1.5435, d_{20} 1.0220, gave 62.0% *2-phenyl-4,5-dimethylthiophene*, b_4 139-40°, m. 30-1°, which forms with Hg acetate a salt, m. 240° (decompn.); with isatin-H_2SO_4, it gives a cherry color.

G. M. Kosolapoff

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

KUDRYASHOVA, N. I.

Addition of ammonia and diethylamine to oxides of the vinylacetylene series. P. Ya. Perveev and N. I. Kudryashova (A. A. Zhdanov State Univ., Leningrad). Zhurnal Obshchei Khim. 23, 1073-8(1953); cf. C.A. 47, 10491h.—Stirring 200 ml. 33% NH_4OH with 25 g. 2-methyl-1,2-oxido-5-hexen-3-yne (I) at room temp. several hrs. gave, after concn. and extn. with Et_2O, 60% $CH_2:CHC:CCMe(OH)CH_2NH_2$, b_6 91-2°, n_D^{20} 1.5165, d_{20} 1.0078, which, hydrogenated over Raney Ni in MeOH at 123 atm. and 50-5°, took up about 3 moles H and yielded the satd. *analog*, b_6 69-70°, n_D^{20} 1.4545, d_{20} 0.9095, whose 1-C_6H_5NCO reaction product, $C_{18}H_{24}O_2N_2$, m. 115-16°. Stirring 10 g. 3-methyl-2,3-oxido-6-hepten-4-yne with 100 ml. 33% NH_4OH 8 days gave 43% $CH_2:CHC:CCMe(OH)CH(NH_2)Me$, b_7 97-8°, n_D^{20} 1.5061, d_{20} 0.9771. $ClCH_2Ac$ (60 g.) added to 0.75 mole BuMgBr over 9 hrs. with cooling gave 30% *chlorohydrin*, $C_8H_{15}OCl$, b_6 66-7°, n_D^{20} 1.4500, d_{20} 1.0043, yielding with powd. KOH under Et_2O *2-methyl-1,2-oxidohexane*, b_{760} 135-6°, n_D^{20} 1.4111, d_{20} 0.8304, which, heated with 33% NH_4OH in sealed tube 20-5 hrs. at 100°, gave a low yield of $HuCMe(OH)CH_2NH_2$, b_7 85-6°, n_D^{20} 1.4540, d_{20} 0.9045 (reaction with 1-C_6H_5NCO gave the *urea deriv.*, m. 106-10°). I (15 g.) and an aq. soln. of 50 g. Et_2NH after 46 hrs. at room temp. gave 10 g. $CH_2:CHC:CCMe(OH)CH_2NEt_2$, b_7 92-3°, n_D^{20} 1.4702, d_{20} 0.8915; after 4 days the yield rose to 85.8%. G. M. Kosolapoff

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

USSR/ Chemistry

Card : 1/1

Authors : Perveyov, F. Ya., and Kudryashova, N. I.

Title : Reaction of alpha-oxides of the acetylene series with hydrogen sulfide. Part 3. -

Periodical : Zhur. Ob. Khim., 24, Ed. 6, 1019 - 1025, June 1954

Abstract : The reaction of alpha-oxides of the acetylene series, with hydrogen sulfide, in the presence of $Ba(OH)_2$ led to the synthesis of hydroxyalkylthiophenes: 2-(alpha-oxyisopropyl)-4-methylthiophene, 2-alpha-oxy-secondary-butyl)-4-methylthiophene and 2-(alpha-oxyisopropyl)-4, 5-dimethylthiophene. Dehydration of hydroxyalkylthiophenes with diluted sulfuric acid, results in the formation of vinylthiophenes: 2-isopropyl-4-methylthiophene, 2-(alpha-methylpropenyl)-4-methyl-thiophene and 2-isopropenyl-4, 5-dimethylthiophene. Six references; 1 German since 1885; 2 USSR since 1914. Tables.

Institution : State University, Leningrad

Submitted : January 15, 1954

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

USSR/Chemistry Isomerization

Card : 1/1 Pub. 151 - 17/33

Authors : Perveev, F. Ya., and Kudryashova, N. I.

Title : Isomerization of alpha-oxides of the acetylene and vinyl acetylene series

Periodical : Zhur. ob. khim. 24/8, 1375 - 1379, August 1954

Abstract : Isomeric conversion of oxides of acetylene and vinyl acetylene series, under the effect of diluted sulfuric acid, was investigated. The products of isomeric conversion of the above mentioned oxides and their chemical properties, are described. Nine references: 8 USSR and 1 USA (1940 - 1953).

Institution : State University, Leningrad

Submitted : February 25, 1954

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

Kudryashova, N.I.

USSR/Chemistry - Synthesis

Card 1/1 : Pub. 22 - 24/44

Authors : Perveyev, F. Ya., and Kudryashova, N. I.

Title : Reaction of hydrogen sulfide with oxides of the acetylene and vinylacetylene series (synthesis of vinyl-, alkyl- and phenylthiophenes)

Periodical : Dok. AN SSSR 98/6, 975-978, October 21, 1954

Abstract : The reaction between hydrogen sulfide and oxides of the acetylene and vinylacetylene series was investigated. It was found that those oxides, when reacting with hydrogen sulfide in the presence of barium hydroxide, form alkyl-, vinyl-, phenylthiophenes and other derivatives depending upon the structure of the basic acids. Other compounds, synthesized through the reaction of oxides with hydrogen sulfide, are listed. Thirteen references: 7-USSR; 3-USA and 3-German (1899-1952). Tables.

stitution : .....

Presented by: Academician I. L. Knunyants, May 28, 1954

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

KUDRYASHOVA, N. I.

"Reactions of alpha-Oxides of the Acetylene and Vinylacetylene Series With Hydrogen Sulfide." Cand Chem Sci, Leningrad State U, Leningrad, 1955. (KL, No 12, Mar 55)

So: Sum. No 670, 29 Sept 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (15)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

[illegible]

epoxy-δ-hexen-3-yne, the H_2Se stream was continued 15 min., the soln was treated [illegible] and distd., the [illegible] resulting [illegible]

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

E. Ya. Perveev. N.I. Kudryashova

(20 g.) in 25 ml. $CHCl_3$ is added under above conditions to the mixt. at 35°, and if the mixt. is initially blown with N and then treated with H_2Se 4 hrs., distd. of the org. layer gave 38% *2-vinyl-4-methylselenophene*, $b_{0.5}$ 32°, 1.5900, 1.3360. Similarly, 2,5-dimethyl-1,2-epoxy-3-hexyn-5-ol gave 45% *2-(1-hydroxyisopropyl)-4-methylselenophene*, $b_{0.5}$ 77–8°, 1.5530, 1.3432; this steam distd. from 5% H_2SO_4 gave 80% *2-isopropenyl-4-methylselenophene*, b_1 72–3°, 1.5782, —. Similar reaction of H_2Se with *2,5-dimethyl-1,2-epoxy-3-heptyn-5-ol* gave 45% *2-(1-hydroxyisobutyl)-4-methylselenophene*, $b_{0.5}$ 73–4°, 1.5553, 1.3000, which with 5% H_2SO_4 gave 80% *2-isobutenyl-4-methylselenophene*, $b_{0.5}$ 61–2°, 1.5785, 1.2740. H_2Se with 2,5,7-trimethyl-1,2-epoxy-3-octyn-5-ol gave 40% *2-(1-methylisobutenyl)-4-methylselenophene*, $b_{0.5}$ 77–8°, 1.5530, 1.1847. Similarly 2,6-dimethyl-5-isopropyl-1,2-epoxy-3-heptyn-5-ol gave 22% *2-(1-hydroxy-1-isopropylisobutyl)-4-methylselenophene*, $b_{0.5}$ 90–1°, 1.5310, 1.2169; 2-methyl-4-(1-hydroxycyclopentyl)-1,2-epoxy-3-butyne gave 85% *2-cyclopentenyl-4-methylselenophene*, $b_{0.5}$ 73–80°, 1.6052, 1.3275. 2-Methyl-4-(1-hydroxycyclohexyl)-1,2-epoxy-3-butyne similarly gave 60% *2-cyclohexenyl-4-methylselenophene*, b_1 93°, 1.5960, 1.2290.

G. M. Kosolapoff

7

+ E2C

2/2

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

L 42202-66 EWT(1) WW

ACC NR: AP6003179 SOURCE CODE: UR/0147/65/000/004/0018/0028

AUTHORS: Kudryashev, L. I.; Kudryashova, N. L.

ORG: none

64
B

TITLE: Approximate solutions of nonlinear problems of nonstationary thermal conductivity using the integral relations of academician L. S. Leybenzon

SOURCE: IVUZ. Aviatsionnaya tekhnika, no. 4, 1965, 18-28

TOPIC TAGS: boundary value problem, thermal conduction, ordinary differential equation, linear equation, integral relation, specific heat

ABSTRACT: An attempt is made to solve approximately problems of nonstationary thermal conductivity under boundary conditions of the first and third kind by using L. S. Leybenzon's integral relations (L. S. Leybenzon. Izv. AN SSSR, ser. geograf. i geofiz., No. 6, 1939). In the case of boundary conditions of the first kind, the problem is written as:

$$\frac{\partial\theta}{\partial \mathrm{Fo}} = \operatorname{div} A(\theta) \operatorname{grad} \theta,$$

$$\mathrm{Fo} = 0,\ \theta_0 = \theta_0(q_1, q_2, q_3),$$

$$\theta_w = 0,$$

$$\theta = \theta(\theta),$$

Card 1/2 UDC: 536.212

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

L 42202-66 EWT(1) WW

ACC NR: AP6003179 SOURCE CODE: UR/0147/65/000/004/0018/0028

AUTHORS: Kudryashev, L. I.; Kudryashova, N. L.

ORG: none

64
B

TITLE: Approximate solutions of nonlinear problems of nonstationary thermal conductivity using the integral relations of academician L. S. Leybenzon

SOURCE: IVUZ. Aviatsionnaya tekhnika, no. 4, 1965, 18-28

TOPIC TAGS: boundary value problem, thermal conduction, ordinary differential equation, linear equation, integral relation, specific heat

ABSTRACT: An attempt is made to solve approximately problems of nonstationary thermal conductivity under boundary conditions of the first and third kind by using L. S. Leybenzon's integral relations (L. S. Leybenzon. Izv. AN SSSR, ser. geograf. i geofiz., No. 6, 1939). In the case of boundary conditions of the first kind, the problem is written as:

$$\frac{\partial\theta}{\partial \mathrm{Fo}} = \operatorname{div} A(\theta) \operatorname{grad} \theta,$$

$$\mathrm{Fo} = 0,\ \theta_0 = \theta_0(q_1, q_2, q_3),$$

$$\theta_w = 0,$$

$$\theta = \theta(\theta),$$

Card 1/2 UDC: 536.212

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

KUDRYASHEV, L.I.; KUDRYASHOVA, N.L.

Approximate solutions of nonlinear problems of nonstationary heat conductivity using Academician L.S. Leibenson's integral relations. Izv. vys. uchebn. zav.; av. tekh. 8 no. 4: 18-28 '65 (MIRA 19:1)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

BOKSERMAN, Yu.I.; BORISOV, A.A.; BROD, I.O.; VASIL'YEV, V.G.; YELIN, N.D.; YEROFEYEV, N.S.; KUDRYASHOVA, N.M.; L'VOV, M.S.; MIRCHINK, M.F.; MURATOVA, A.T.; NEVOLIN, N.V.; SOKOLOV, V.L.; TROFIMUK, A.A.; YERSHOV, P.R., vedushchiy red.; TROFIMOV, A.V., tekhn.red.

[Gas resources of the U.S.S.R.] Gazovye resursy SSSR. Moskva, Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1959. 350 p. (MIRA 12:8)

(Gas, Natural)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

BUYALOV, N.I.; VASIL'YEV, V.G.; YELIN, N.D.; YEROFEYEV, N.S.; L'VOV, M.S.; KLESHCHEV, A.I.; KUDRYASHOVA, N.M.; SOKOLOV, V.L.

Method for evaluating natural gas and petroleum resources. Geol. nefti i gaza 5 no. 1:14-18 Ja '61. (MIRA 14:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut gaza i iskusstvennogo zhidkogo topliva (for Vasil'yev, Yelin, Yerofeyev L'vov, Kudryashova, Sokolov). 2. Vsesoyuznyy nauchno-issledovatel'skiy geologo-razvedochnyy neftyanoy institut (for Buyalov, Lkeshchev).
(Petroleum geology) (Gas, Natural--Geology)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

BUYALOV, N.I.; VASIL'YEV, V.G.; YEROFEYEV, N.S.; KALININ, N.A.; KLESHCHEV, A.I.; KUDRYASHOVA, N.M.; L'VOV, M.S.; SIMAKOV, S.N.; YELIN, N.D., nauchnyy red.; CHARYGIN, M.M., nauchnyy red.; TOKAREVA, T.N., ved. red.; MITROFANOVA, G.M., tekhn. red.

[Method for evaluating the prospective oil and gas reserves] Metodika otsenki prognoznykh zapasov nefti i gaza. Leningrad, Gostoptekhizdat, 1962. 81 p. (MIRA 16:3)
(Petroleum geology) (Gas, Natural—Geology)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

AVROV, V.Ya.; BLINNIKOV, I.A.; BROD, I.O.[deceased]; BUYALOV, N.I.; VASIL'YEV, V.G.; DMITRIYEV, Ye.Ya.; YELIN, N.D.; YEMOFEYEV, N.S.; ZUBOV, I.P.; KALININ, N.A.; KUDRYASHOVA, N.M.; MAKSIMOV, S.P.; L'VOV, M.S.; MIRCHINK, M.F.; OVCHINNIKOVA, T.G.; SIMAKOV, S.N.; TROFIMUK, A.A.; TKHOSTOV, B.A.; FEDOTOVA, M.I., ved. red.

[Predicting gas potential of the U.S.S.R.] Prognoz gazonosnosti SSSR. Leningrad, Gostoptekhizdat, 1963. 175 p. (MIRA 17:4)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

KUDRYASHOVA, O.I. (Moskva, ul. Korolenko, d.2,kv.160)

Studying changes of phosphorus metabolism in the lymph nodes in Lymphogranulomatosis by means of radioactive phosphorus in treatment with embichine [with summary in English]. Vop. onk. 2 no.5:549-556 ~~956.~~ 1956 (MIRA 10:2)

1. Iz laboratorii eksperimental'noy khimioterapii (Zav. - chlen-korrespondent AMN SSSR prof. L. F. Larionov* Instituta eksperimental'noy patologii i terapii raka AMN SSSR (dir. - chlen-korrespondent AMN SSSR prof. N.N. Blokhin).

(NITROGEN MUSTARDS, ther.
N-bis (2-chloroethyl)-2-chloropropylamine in Hodgkin's dis., eff. on phosphorus metab. in lymph nodes, determ. with radioactive phosphorus)
(HODGKIN'S DISEASE, ther.
N-bis(2-chloroethyl)-2-chloropropylamine, eff. on phosphorus metab. in lymph nodes, determ. with radioactive phosphorus)
(PHOSPHORUS, metab.
in lymph nodes, eff. of N-bis(2-chloroethyl)-2-chloropropylamine ther. in Hodgkin's dis., determ. with radiophosphorus).

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

BERKOVA, Nina Matveyevna; KUDRYASHOVA, P.A., red.; MANINA, M.P., tekhn. red.

[Whither do trailes of legends lead us] Kuda vedut sledgy legendy. Moskva, Izd-vo "Fizkul'tura i sport," 1962. 92 p. (MIRA 15:4)

(Armenia--Description and travel)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

KHARLAMPOVICH, G.D.; KUDRYASHOVA, R.I.

Production of ammonium phosphate and liquid fertilizers from ammonia of coke-oven gas. Koks i khim. no.11:38-41 '61. (MIRA 15:1)

1. Ural'skiy politekhnicheskiy institut.
(Coke-oven gas) (Ammonium phosphate)
(Fertilizers and manure)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

KHARLAMPOVICH, G.D.; KUDRYASHOVA, R.I.

Recovery and separation of pyridine bases in the production of diammonium phosphate. Koks i khim. no.2:31-35 '64. (MIRA 17:4)

1. Ural'skiy politekhnicheskiy institut.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

KHARLAMPOVICH, G.D.; RUS'YANOVA, N.D.; MEL'NIKOVA, V.I.; GORDEYEVA, Z.K.; Prinimali uchastiye: MIRONOV, V.I., laborant; MAKAROVA, Z.A., laborant; KUDRYASHOVA, R.I., student; TATARUOV, G.P., student; SELITSKIY, G.A., student; IL'CHENKO, P.P., student; MOSKOVSKIKH, V.V., student; YEVSEYEV, Ye.I., student

Studying the new method of ammonia receovery in an experimental industrial installation. Koks i khim. no.2:34-38 '62. (MIRA 15:3)

1. Ural'skiy politekhnicheskiy institut.
(Coke-Oven gas) (Ammonia)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

KUDRYASHOVA, R.I.; KHARLAMPOVICH, G.D.; DEGTYAREVA, V.F.

Conductometric method of analysis of solutions of ammonium phosphates and sulfates. Zav.lab. 29 no.12:1429-1430 '63. (MIRA 17:1)

1. Ural'skiy politekhniceskiy institut i Ural'skiy filial Vsesoyuznogo nauchno-issledovatel'skogo khimiko-farmatsevticheskogo instituta.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

VINOGRAD-FINKEL', F.R.; RAZUMOVA, L.L.; KUDRYASHOVA, S.N.

Use of X-ray photography in the examination of frozen blood. Biofizika 5 no. 2:229-234 '60. (MIRA 14:4)

1. TSentral'nyy ordena Lenina Institut perelivaniya krovi, Moskva. (for Vinograd-Finkel'). 2. Institut biologicheskoy fiziki AN SSSR, Moskva (for Razumova). 3. Biologo-pochvennyy fakul'tet Moskovskogo gosudarstvennogo universiteta im. M.V. Lomonosova (for Kudryashova).
(BLOOD—RADIOGRAPHY)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

VINOGRAD-FINKEL', F.R., prof.; KISELEV, A. Ye. dotsent. GINZBURG, F.G., FEDOROVA, L.I.; SEMENOVA, N.V.; KOROLYUK, K.I.; BURDYAGA, F.A. TAL'SKAYA, I.N.; KUDRYASHOVA, S.N.

Long-term preservation of blood in frozen state. Voen.-med. zhur. no. 1:27-33 Ja '66 (MIRA 19:2)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

L 28402-66 EWT(m)/EPF(n)-2/EWP(t)/ETI IJP(c) JD/JG/WB/GD

ACC NR: AT6013793 (A) SOURCE CODE: UR/0000/65/000/000/0136/0147

AUTHOR: Andreyeva, V. V.; Kazarin, V. I.; Kudryashova, T. I.

ORG: none

63
B+1

TITLE: Corrosion and electrochemical behavior of titanium and its alloys in wet-process phosphoric acid

SOURCE: Korroziya metallov i splavov (Corrosion of metals and alloys), no. 2 Moscow, Izd-vo Metallurgiya, 1965, 136-147

TOPIC TAGS: corrosion, electrochemistry, titanium, phosphoric acid

ABSTRACT: The evaluation of the corrosion resistance and electrochemical properties of Ti in wet-process phosphoric acid is of major interest in view of the planned expansion of the production of phosphoric fertilizers in the USSR. Wet-process phosphoric acid is produced by decomposing apatites with H_2SO_4. The experiments with technical Ti as well as with Ti alloys containing 1, 5, 10, 15, 20, 30 and 40% Mo and 10, 20, 30, 40 and 50% Nb were performed in wet-process phosphoric acid (32.1% P_2O_5, 0.2% CaO, 1.67% SO_3, 0.4% Fe_2O_3, 0.4% Al_2O_3, 0.02% MgO, 0.6% SiO_2, 2.28% F, 0.02% Na, 0.02% K, 59.46% H_2O; other elements 5.58%). The principal

Card 1/2

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

L 28432-66

ACC NR: AT6013793

components of this acid are: H_3PO_4 (up to 50%), H_2SiF_6 (1-3%) and $Fe_2(SO_4)_3$; it is they that markedly affected the corrosion and electrochemical behavior of the metals. The electrochemical studies were performed with the aid of an electronic potentiostat, while the potentials were measured by means of the compensation method with respect to a calomel reference electrode and converted in terms of a normal hydrogen electrode. Findings: the corrosion rate of Ti in phosphoric-acid solutions is a function of the potential. In the presence of specific values of the potential Ti is capable of passing over to passive state. On the basis of the dependence of the density of passivation current on the concentration and temperature, it is possible to establish the regions of concentrations and temperature of phosphoric acid at which Ti displays satisfactory corrosion resistance. Ti in wet-process phosphoric acid is corrosion-resistant (corrosion rate up to 0.1 mm/year) at up to 40°C. The presence of Fe^{3+} preserves the passive state of Ti at up to 60°C, but at 60°C the corrosion rate then rises to 0.3 g/(m^2-hr) (0.6 mm/year). Adding Mo to Ti increases the latter's corrosion rate, the more the higher the Mo content of the alloy is, following the relation: K = 0.354 exp [0.184% (by wt.)], owing to repassivation with respect to Mo as a result of the presence of Fe^{3+} ions in the wet-process phosphoric acid. Adding Nb, on the other hand, improves the corrosion resistance of Ti in the acid, and then the corrosion rate decreases following the relation: K = 0.354 exp [-0.027% (by wt.)]. Orig. art. has: 10 figures

SUB CODE: 07, 11, SUBM DATE: 19Jul65/ ORIG REF: 005/ OTH REF: 003

Card 2/2 ZC

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

L 38196-66 EWT(1) GD

ACC NR: AT6022323 SOURCE CODE: UR/0000/66/000/000/0003/0009

AUTHOR: Berezin, A. S.; Kudryashova, T. S.; Patrikeyev, L. N.; Popov, V. D.

ORG: none

TITLE: Investigation of parametrons designed with new types of nonlinear capacitors

SOURCE: Vsesoyuznaya nauchnaya sessiya, posvyashchennaya Dnyu radio. 22d, 1966 Sektsiya mikroelektroniki. Doklady. Moscow, 1966, 3-9

TOPIC TAGS: parametron, nonlinear capacitor, varactor diode

ABSTRACT: Parametrons designed with varactors and with reverse-gradient capacitors (Soviet-made test specimens) were investigated. Findings: (1) Oscillation rise or fall time does not exceed 10 periods of fundamental frequency (or 20 periods of pumping frequency); (2) The parametron can be excited with $Q_{min} = 2.2$; (3) The parametron can operate at zero bias voltage; (4) The reverse-gradient-capacitor parametron can operate in wide frequency band. The load characteristic of an experimental parametron is shown. Orig. art. has: 6 figures and 8 formulas. [01]

SUB CODE: 09 / SUBM DATE: 05Apr66 / ORIG REF: 004 / ATD PRESS: 5045

Card 1/1

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

GOL'DGAMER, G.I.; KUDRYASHOVA, V.A.

Engineer in charge of information services of the Scientific Research Institute. NTI no.12:13-18 '63. (MIRA 17:6)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

KUDRYASHOVA, V.A.

KUDRYASHOVA, V.A.

Early detection of interposition of soft tissue in closed fractures of the humeral diaphysis. Ortop.travm. i protez. 18 no.4:64-65 Jl-Ag '57. (MIRA 11:1)

1. Iz TSentral'nogo instituta travmatologii i ortopedii (dir. - deystvitel'nyy chlen AMN SSSR prof. N.N.Priorov)
(HUMERUS--FRACTURE)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

VOLODINA, M.A.; TERENT'YEV, A.P.; KUDRYASHOVA, V.A.; MISHINA, V.G.

Syntheses based on γ-ketols. Part 2: α-(2-Chloroethyl-β-chlorocto-naldehyde and its transformations. Zhur.ob.khim. 34 no.2:473-477 F '64. (MIRA 17:3)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

VOLODINA, M.A.; KUDRYASHOVA, V.A.; TERENT'YEV, A.P.

Synthesis of pyrrolidines, pyrrolines, and pyrroles. Part 13: synthesis of pyrroline derivatives based on β-chlorovinyl aldehydes. Zhur. ob. khim. 34 no.9:3130-3131 S '64. (MIRA 17:11)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

AUTHOR: Vasil'yeva, Z.V. and Kudryashova, V.I. 11-58-7-6/12

TITLE: Apatite from a Siberian Trappean Formation (Apatit iz Sibirskoy trappovoy formatsii)

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geologicheskaya, 1958, Nr 7, pp 92-97 (USSR)

ABSTRACT: Apatite is a constant accessory mineral in trappean rock formations. According to A.P. Lebedev, the diabase-pegmatites contain 1% of apatite, and according to V.V. Lyakhovich, the gabbro-diabases of the Vilyuy region contain 2,86% apatite. It is also found in various micropegmatitic mesostasis of pegmatoid formations in different trappes of India, South Africa and Tasmania. But the apatite of post-magmatic origin was never found until recently. One of the authors discovered the crystals of apatite in a hydrothermal vein in the region of the Nizhnyaya Tunguska river. Other apatite crystals were also found in this region. Their characteristics are described in detail. In other regions of Siberia, A.P. Lebedev and N.V. Pavlov also discovered apatite crystals. Chemical analysis showed that the content of rare earths in apatites from the hydrothermal vein was from 2.13 to 0.90% and no rare earths

Card 1/2

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4

were found in other apatites located in metasomatically changed lava covers or in the magnetite deposits. There are 5 photos, 1 table, and 5 Soviet references.

SUBMITTED: October 8, 1957

ASSOCIATION: Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii, AN SSSR, Moskva (The Geological Institute of Ore-Deposits, Petrography, Mineralogy, and Geochemistry, AS USSR, Moscow)

Card 2/2 **1. Apatite - Sources**

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000827210007-4"