

RYKHOVNIK, B., Cand Geog Sci --(disc) " ^{regionalization} Economic ~~Regionalization~~
of the Polish People's Republic." Len, 1955. 21 pp (Len Order of
Lenin State U in A.A. Zhdanov), 150 copies (PL,32-50, 100)

- 3 -

RYKHLOVSKIY, B.

Sulfur is the new wealth of Poland. Geog. v shkole 21 no.3:59-60
My-Je '58. (MIRA 11:6)

(Poland--Sulfur)

RYKHLOVSKIY, B.

Sulfur is the new wealth of Poland. Geog. v shkole 21 no.3:59-60
My-Je '58. (MIRA 11:6)

(Poland--Sulfur)

RYKHLYUK, Ye.J., inzh

New method of estimating the accuracy of adjoining in solving
a connection triangle. [Trudy] VNIMI no.47:324-332 '62

(MIRA 17:7)

RINHOUSKIY, B
~~RYKHLOVSKIY, BOGUMIL~~

Division of the people's democracies into economic regions.
Izv. AN SSSR. Ser. geog. no.1:144-154 Ja-F '58. (MIRA 11:2)
(Europe, Eastern--Economic zoning)

RYHOVSKIY V. I.
RYHOVSKIY, V. I., and POPOV, N. A.,

"On Impoverishment of Metal Ceramics by Highly Volatile
Components at Heating in Vacuum."

Report submitted for the Conference on Heat and Mass Transfer,
Minsk, BSSR, June 1961.

GULAMOV, M.-K. K.; MARIMOV, S.; ATAZHANOV, M.A.; RYKHSIKHODZHAYEV, T.

New cotton forms produced by ionizing radiation. Genetika no.5:
127-134 N '65. (MIRA 19:1)

1. Sredneaziatskiy filial Vsesoyuznogo nauchno-issledovatel'skogo
'nstituta po selektsii, genetike i semenovodstvu khlopchatnika.
Submitted April 28, 1965.

RYKHTER, E.V., inzhener

Method for sampling air in industrial premises for determining its
gas and dust contents. Gig. i san. 22 no.5:73-75 May '57.

(MIRA 10:10)

1. Iz Molotovskoy oblastnoy sanitarno-epidemiologicheskoy stantsii.
(AIR POLLUTION,
sampling for gas & dust in indust. (Rus))

RYKHTEP, E.V., inzh.

Dust control with auxiliary fans in mines of the Kizel Coal Basin
[with summary in English]. Gig. & san. 23 no. 3:37-44 Mr '58.
(MIRA 11:4)

1. Iz Permskoy oblastnoy sanitarno-epidemiologicheskoy stantsii.

(DUST, prev. and control
ventilators in coal mines)

(INDUSTRIAL HYGIENE

control of dust by ventilators in coal mines)

(MINING

dust control by ventilators in coal mines)

RYKHTER, E.V., inz., SHLYGINA, N.V., khimik

Determination of dust in the atmosphere with the electrophotocolorimeter [with summary in English]. Gig. i san. 23 no.9:18-22 S'58 (MIRA 11:11)

1. Iz Permskoy oblastnoy sanitarno-epidemiologicheskoy stantsii.
(DUST, determ.
in atmosphere with electrophotocolorimeter (Rus))
(COLORIMESTRY
electrophotocolorimetry for determ. of duts in atmosphere
(Rus))

RYKHTER, E.V., inzh.

Effectiveness of dust elimination by ventilators operated close to mine faces in the Kizel Coal Basin. Sbor. rab. po silik. no.2: 61-70 '60. (MIRA 14:3)

1. Permskaya oblastnaya sanitarno-epidemiologicheskaya stantsiya.
(KIZEL BASIN--MINE VENTILATION)

RYKHTEP, E.V., inzh.

Dust precipitator of the ejection type for catching coal dust.
Sbor. rab. po silik. no.2:71-78 '60. (MIRA 14:3)

1. Permskaya oblastnaya sanitarno-epidemiologicheskaya stantsiya.
(DUST COLLECTORS)

RYKHTER, E.V. (Perm')

Role of ventilation engineers in the work of sanitation
and epidemiological stations. Gig. truda i prof. zab. 4
no.2:41-43 F³'60. (MIRA 15:3)

1. Oblastnaya sanitarno-epidemiologicheskaya stantsiya.
(PUBLIC HEALTH)
(VENTILATION)

L:27997-66 EWI(m)/I DJ/WE

ACC NR: AP6009857

(A)

SOURCE CODE: UR/0413/66/000/004/0050/0051

INVENTOR: Losavio, G. S.; Iyalikov, M. B.; Sagura, I. N.; Rykin, M. N.

42
B

ORG: none

TITLE: Starting fluid!! Class 23, No. 178925. [announced by State Scientific-
Research Institute of Automotive Transport (Gosudarstvenny nauchno-issledovatel'skiy
institut avtomobil'nogo transporta)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 4, 1966, 50-51

TOPIC TAGS: liquid fuel, diethyl ether, engine starter system

ABSTRACT: An Author Certificate has been issued for a starting fluid containing diethylether. To minimize starting wear in a cold motor, industrial oil 12 is added up to 60% of the fluid by weight. [LD]

SUB CODE: 2// SUBM DATE: 21Mar63/

3

Card 1/1 CC

RYKLIN, G.Ye.

Karlovy Vary. Zdorov'e 3 no.3:16-17 Mr '57
(CARLSBAD--DISCRIPTION)

(MLRA 10:4)

Rykhter

POLAND/Chemical Technology - Fats and Oils. Waxes. Soaps,
Detergents, Flotation Agents.

H.

Abs Jour : Ref Zhur - Khimiya, No 16, 1958, 55347

Author : Rykhter

Inst : -

Title : An Outlook on the Industrial Development of Food Oils
from a Vegetable Origin.

Orig Pub : Zycie gospod, 1956, 11, No 6, 210-213

Abstract : No abstract.

Card 1/1

RYKHTER, E.

✓ 2226. EXPERIENCE IN COMBATING DUST IN THE KIZEL COAL FIELD. Rykhter, E.
✓ Y. (Gigiena Sanit. (Hyg. & Sanit., Moscow), Aug. 1956, vol. 21, 41-45). The
rock dust has a high silica content and a dust concentration of 2 mg/cm³ is
the permissible limit. When drilling horizontal shot holes in rock water
flushing with water fed in at the side of the jack hammer (not axially) is effective,
if combined with good ventilation. Pouring water over rock and coal before
loading them is also useful.

RYKHTEK, E.V., inzh.

Indications for parallel tests in the investigation of air pollution
in industrial shops. Gig. i san. 24 no.4:64-66 Ap '59. (MIRA 12:7)

1. Iz Permskoy oblastnoy sanitarno-epidemiologicheskoy stantsii.
(AIR POLLUTION,
in indust., parallel tests (Rus))

RYKHLIYUK, Ye.I.

Estimating the accuracy of polygonal traverses adjusted by a
simplified method. Geod. i kart. no.7:20-25 J1 '61.

(MIRA 14:7)

(Traverses (Surveying))

CA

An ejection-type apparatus for sampling atmospheric air.
E. V. Rykhter. *Gigiena i Sanit.* 1951, No. 5, 15-18.—
The apparatus is a typical absorption-type machine which is
activated by means of an ejector-type air pump, which is
connected to the exhaust pipe of an automobile. Diagrams,
with dimensions, of the ejector pump and the abs. bulb are
given. G. M. Kosolapoff

MEL'NIKOV, Sergey Vsevolodovich, dotsent; RYKHTIKOV, Semen Petrovich, CHAPSKIY, O.U., red.; BARANOVA, L.G., tekhn. red.

[Over-all mechanization of corn cultivation on the "Bol'shevik" State Farm in Lomonosov District, Leningrad Province] Opyt kompleksnoi mekhanizatsii vozdel'yvaniia kukuruzy v sovkhoe "Bol'shevik"; Lomonosovskii raion Leningradskoy oblasti. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1960. 60 p. (MIRA 14:7)

1. Leningradskiy sel'skokhozyaystvennyy institut (for Mel'nikov).
2. Glavnyy agronom sovkhoe "Bol'shevik" (for Rykhtikov).
3. Chleny Leningradskogo oblastnogo nauchno-tekhnicheskogo obshchestva sel'skogo i lesnogo khozyaystva (for Mel'nikov, Rykhtikov)
- (Lomonosov District—Corn (Maize)) (Agricultural machinery)

RYLIK, I.A.

Agriculture yesterday, today and tomorrow. Nauka i pered. op. v
sel'khoz. 7 no.11:5-7 N '57. (MLRA 10:11)

1. Direktor Glavnogo pavil'ona Vsesoyuznoy sel'skokhozyaystvennoy vy-
stavki.

(Agriculture)

VINARSKIY, Ye.N., inzhener; LINKOV, A.V., inzhener; MAZING, I.V., inzhener;
CHERETYANKO, V.I., inzhener; BYKHNINA, R.I., inzhener; CHUPRINA,
N.A., inzhener. PLOTNIKOVA, M.Z., inzhener; LEYPSON, A.M., inzhener;
LELYAKOVA, L.P., inzhener; MANDALOVSKAYA, M.V., inzhener; UZUNKUYAN,
I.D., inzhener; SEVRYUKOV, Ye.G., inzhener; VINARSKIY, Ye.N., redaktor;
ALADOVA, Ye.I., tekhnicheskij redaktor

[Metal demountable headframe] Prokhodcheskie metallicheskie sborno-
razbornye kopry. Moskva, Ugletekhizdat, 1954. 110 p. (MLRA 8:4)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut organizatsii
i mekhanizatsii shakhtnogo stroitel'stva.
(Mine buildings)

SHIPILOV, Mikhail Mikhaylovich; KUZNETSOVA, Zoya Nikolayevn ,agr.;RYKINA,
Antonina Nikolayevna; KOTORA, Vasilii Ivanovich; LEONOV, S.,
red.; POKHLEBKINA, M., tekhn. red.

[Agronomist]Agronom. [By] M.Shipilov i dr. Moskva, Mosk. ra-
bochii, 1962. 57 p. (MIRA 16:2)

1. Glavnyy agronom sovkhoza "Konstantinovo" Podol'skogo rayona
(for Shipilov). 2. Kolkhoz "Bol'shevik" Podol'skogo rayona (for
Kuznetsova). 3. Glavnyy agronom kolkhoza imeni Lenina Serebryano-
Prudskogo rayona (for Rykina). 4. Glavnyy agronom oporno-
pokazatel'nogo sovkhoza imeni Tel'mana Ramenskogo rayona (for
Kotora).

(Agriculturists)

CZECHOSLOVAKIA / Analytical Chemistry. Analysis of
Inorganic Substances.

E

Abs Jour: Ref Zhur-Khim, No 12, 1959, 42116.

Author : Pliska, V.; Rykl, D.

Inst : Not given.

Title : Contribution to the Polarographic Determination
of Small Quantities of Iodine in Iodized Salt.

Orig Pub: Ceskosl. farmac., 1958, 7, No 9, 515-516.

Abstract: The method of polarographic determination of small quantities of iodine in iodized salt, in the presence of Cd^{+2} as an internal standard, is described: the ratio of waves of Cd^{+2} and IO_3^- when their molecular concentrations are equal is 1:3. 10 g. of NaCl, to which 1 ml. of KI solution (50 mg. in 1 liter of the solution) are added, and dissolved in

Card 1/2

E-14

RYKL, Drahos

Activated scheelites. Sbor chem tech no.3, part 2:235-243 '59.

1. Laborator anorganicke chemie, Ceskoslovenska akademie ved
a Katedra mineralogie, Vysoka skola chemicko-technologicka, Praha.

RYKLIN, F.G.

30V/105-58-10-21/28

AUTHORS:

- 1) Dashchenko, I.T., Engineer
(Town of Uzhgorod)
- 2) Ryklin, F.G., Engineer (City of Voznesensk,
Nikolayevskaya Oblast')
- 3) Shapiro, I.M., Engineer (City of L'vov)
- 4) Ratner, M.P., Engineer
- 5) Kudryashov, S.Ya., Engineer
- 6) Khaytun, E.I., Engineer

TITLE:

Electric Power Engineering on a New Level (Elektroenergetiku - na novuyu stupen')

PERIODICAL:

Elektrichestvo, 1958, Nr 10, pp 86 - 90 (USSR)

ABSTRACT:

This is a discussion/ of the article by S.M. Gortinskiy and I.A. Syromyatnikov published in Elektrichestvo, 1957, Nr 10: 1) Even in electrified regions, as in the Ural, in the Donbass, etc. districts are found which are not connected with the power supply grid. To renounce the construction of small power stations could be of a detrimental effect. It would be most expedient to construct small power stations (with a power not below 25 MW) in greatly simplified power houses in a way enabling them of being translocated from one region to another. 2) Some measures of

Card 1/3

Electric Power Engineering on a New Level

SOV/105-58-10-21/28

rationalizing the construction, operation and distribution of power in the small power field. 3) The economic expediency of supplying new regions from power supply grids and of abolishing small power stations is substantiated by a practical example from planning work. 4) One of the principal reasons for the high prime costs of small steam turbine power stations is a mechanical transposition of the principal engineering schemes and of the design of large power stations to small-scale ones. More up-to-date principles of improving the operation factors of such stations are advanced and a conversion from a solid fuel to a liquid or gas fuel operation is requested. By the latter measure a complete automation of steam turbine power stations will be made possible. 5) Experience gained in the enterprises of the Glavelektromontazh demonstrated that the time has come to introduce an industrialized method of assembly. Each electrical equipment should be designed as one great block of equipment, weights reaching 2.5 t. 6) Insufficiencies and shortcomings in electrical industry are pointed out. A number of cases are mentioned, where it was impossible to obtain apparatus and parts of equipment which had been developed already a long time ago. There are 1 figure and 2 tables.

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Electric Power Engineering on a New Level

SOV/105-58-10-21/28

ASSOCIATION: 4) Transelektroproyekt
5) and 6) Kuybyshevskoye otdeleniye Elektroproyekta (Kuybyshev
Branch of the Elektroproyekt)

Card 3/3

MOGENDOVICH, M.R.; RYKLIN, M.G.

Motor renal reflexes in pathology. Eksp. issl. po fiziol.,
biokhim. i farm. no.3:49-60 '61 (MIRA 16:12)

1. Permskiy meditsinskiy institut.

✓ Sulphamethine—a new anti-tubercular preparation. L. M. Kul'berg, S. G. Rykhis, P. A. Yufa, and R. P. Veltman (Zh. obshch. Khim., 1956, 28, 168—172).—Synthesis is described of a new anti-tubercular preparation, "sulphamethine" (I) which exhibited an extremely low toxicity and was effective in the treatment and cure of osteo-tuberculosis. It was assumed to be a polymer product of azomethine, 4 : 4'-bis-*p*-dimethylaminobenzylidenedimodiphenyl sulphone. Reference is made to sulphamethine (II), obtained by condensation of 4 : 4'-diaminodiphenyl sulphone (III) with *p*-dimethylaminobenzaldehyde (IV) in alcoholic solution. This material of azomethine structure proved to be inactive against tuberculosis bacilli. By condensation of III and IV in the presence of H₂SO₄, I was produced. Details are given for preparation of I—III, and the properties of I and II compared. Both had the same N and S contents but differed in a no. of respects chemically. A. I. B.

DASHCHENKO, I.T., inzh. (Uzhgorod); RYKLIN, F.G., inzh. (Voznesensk, Nikolayevskoy oblasti); SHAPIRO, I.M., inzh. (L'vov); RATNER, M.P., inzh.; KUDRYASHOV, S.Ya., inzh.; KHAYTUN, E.I., inzh.

Power systems at a new level. Elektrichestvo no.10:86-90
0 '58. (MIRA 12:1)

1. Transelektroproyekt (for Ratner). 2. Kuybyshevskoye otdeleniye
Elektroproyekta (for Kudryashov, Khaytun).
(Electric power)

RYKLIN, F.G., inzh.

Electric motor drives for oil switches. Elek.sta.
31 no.5:41-44 My '60. (MIRA 13:8)
(Electric driving) (Electric cutouts)

Ryklin, F. G.

Subject : USSR/Electricity AID P - 4103

Card 1/1 Pub. 27 - 14/24

Author : Ryklin, F. G., Eng.

Title : Operation of fuses of the PK type in outdoor installations.

Periodical : Elektrichestvo, 11, 75-76, N 1955

Abstract : The author discusses the use and operation of fuses of the PK type in outdoor installations. He is of the opinion that fuses of this type are well adapted for operation in zones of industrial contamination as well as outside them, and in vertical as well as in horizontal position. The author gives some technical data obtained from tests. One table, 2 photographs.

Institution : None

Submitted : N 30, 1954

RYKLIN, F.G., inzhener.

Stopping hydraulic generators in free running. Elek.sta. 28 no.8:72-73
Ag '57. (MIRA 10:10)

(Hydroelectric power stations)

RYKLIN, F.G., inzhener.

Use of the PK type of cutout in outdoor installations. Elektrichestvo
no.11:75-76 N '55. (MIRA 9:1)
(Electric cutouts)

RYKLIN, F.G., inzhener.

Connecting synchronous machines by means of self-synchronization
without testing the frequency. Elektrichestvo no.8:64-65 Ag '54.
(Electric machinery, Synchronous) (MLRA 7:8)

RYKLIN, G.

Encounters. Izobr.i rats. no.2:40-43 F '60.
(Technological innovations)

(MIRA 13:8)

RYKLIN, G.

Outspoken thruth about cleanliness. Zdorov'e 3 no.6:27-28 Je '57.
(UNITED STATES--PUBLIC HEALTH) (MLRA 10:7)

RYKLIN, G.

~~Science in the dollar world~~ ("My brother, my enemy." Mitchell
Wilson. Reviewed by G. Ryklin). Nauka i zhizn' 23 no.10:59-60
0 '56. (MLRA 9:11)

(Wilson, Mitchell A.)

1. RYKLIN, G.
2. USSR (600)
4. Carter, Herbert Dyson, 1910-
7. Dollar oppression ("The future in our favor." Dyson Carter. Reviewed by G. Ryklin), Nauka i zhizn' 27 no. 1, 1953.

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

RYKLIN, G. Ye.

Robots. Nauka i zhizn' 22 no.2:45-46 F '55.
(United States--Scientists)

(MLRA 8:3)

RYKLIN, G. YE.

American Literature - History and Criticism

Life in a haze ("Live with lightning" (translated from English) Mitchell Wilson.
Reviewed by G. YE. Ryklin.) Nauka i zhizn' 19, no. 9, 1952.

Monthly List of Russian Accessions, Library of Congress, December 1952. UNCLASSIFIED.

Ryklin, F.G.

AID P - 610

Subject : USSR/Electricity
Card 1/1 Pub. 27 - 14/35
Author : Ryklin, F. G., Eng.
Title : Automatic synchronization of generators without controlling frequency
Periodical : Elektrichestvo, 8, 64-65, Ag 1954
Abstract : This simplified method is used for low-capacity generators (Diesel-generators, etc.), and permits reducing the starting apparatus as well as the operating personnel.
Institution : Not given
Submitted : Ap 6, 1954

RYKLIN, Ye.

A well-deserved award. Rab. i sial. 38 no. 11:11 N '62.

(MIRA 15:11)

(Women as soldiers)

EREZ, S.L.; RYKLINA, A.G.; BONDAREV, A.S.

Clinical characteristics of nonspecific ulcerous colitis.
Kaz. med. zhur. no.1:19-22 Ja-F '62. (MIRA 15:3)

1. Kafedra infektsionnykh bolezney (zav. - dotsent
S.L. Erez) Donetskogo meditsinskogo instituta i oblastnaya
bol'nitsa imeni M.I. Kalinina (glavnyy vrach - B.A. Shparenko).
(COLITIS)
(ULCERS)

RYKLIS, D.A.

Clinical aspects, diagnosis and treatment of acquired toxoplasmosis. Zdrav. Turk. 7 no.6:39-42 Je'63. (MIRA 16:8)

1. Iz nevrologicheskogo otdeleniya (zav. - D.A.Ryklis) Turk-menskoy Respublikanskoy klinicheskoy bol'nitsy imeni N.I. Pirogova (glavnyy vrach - M.B.Shapiro).
(TOXOPLASMOSIS)

RYKLIS, D.A.; ROZENTSVEYG, E.I.

Changes in pain adaptation in patients with hypertension under
the influence of aminazine. Zdrav. Turk. 5 no.1:17-21 Ja-F '61.
(MIRA 14:6)

1. Respublikanskoy klinicheskoy bol'nitsy (glavnyy vrach - M.B.
Shapiro, nauchnyy rukovoditel' - dotsent A.N.Shogam), Turkmanaskaya
SSR.

(PAIN)

(HYPERTENSION)

(CHLORPROMAZINE)

CA RYKLIS, S. G. 10

Preparing furfural from flax tow. N. S. Chlov and S. G. Rukh, *J. Applied Chem.* (U. S. S. R.) 6, 110-11 (1953). Furfural is best obtained from flax tow by using H_2SO_4 alone or with an admixt. of NaCl (9.17-9.91%) and in combination with HCl and NaCl. The following reagents are classified according to their efficiency: HCl (0.34%), bisulfate (7.84-7.91%), H_3PO_4 (7.50%), $H_2C_2O_4$ (4.35%), NaCl (4%) and H_2O (2.85%). Addn. of NaCl to the acid does not increase the yield of furfural but it shortens considerably the time required for the reaction. The best concn. for the acid, according to lab. expts., is 0.1 N. heating for 7-7.5 hrs. is required with acid alone and for 3-4 hrs. with acid and salt. The treating temp. is 158-161° at 6 atm. pressure. It is not possible to obtain paper and furfural simultaneously. A. A. Bochtling

ASH-SL-A METALLURGICAL LITERATURE CLASSIFICATION

RYKLIS, S. G.

"Kinetics of the Reaction of Formation of Ortho- and Para-Nitro-anisol from
Ortho- and Para-Nitrochlorbenzene" (p. 1515)

SO: Journal of General Chemistry, (Zhurnal Obshchei Khimii), 1947, Vol. 17, No. 8

NYKLIS, S. G.

Chemical Abst
Vol. 48 No. 3
Feb. 10, 1954
Organic Chemistry

② Chem
Synthesis of 2-aminobenzothiazole. A. G. V. and
R. P. Veltman. Zhurnal. Khim. Znan. 10, 102-3 (1952) (in
Russian).—The effect of temp., solvent, and excess Br on
transformation of phenylthiourea into 2-aminobenzothiazole
was studied. The best results were obtained in PhC at
55-58° with 33% excess Br, when 75% crude, or 50% pure,
product were obtained; m. 127-8°. G. M. Kosolapoff

8-31 *sgp*

VEL'TMAN, R.P.; RYKLIS, S.G.

Some derivatives of 2-benzothiazolylhydrazine. Ukr.khim.zhur. 19 no.3:
319-321 '53. (MLRA 7:4)

1. Ukrainskiy nauchno-issledovatel'skiy institut tuberkuleza im.
akademika Yanovskogo. (Hydrazine)

¹/₂ G.

RYKLIS, S. G.

RYKLIS, S.G.; YUFA, P.A.

Synthesis of 4,4'-dinitrodiphenyl sulfides. Ukr.khim.zhur. 20
no.1:71-72 '54. (MLRA 7:3)

1. Ukrainskiy nauchno-issledovatel'skiy institut tuberkuleza.
(Sulfides)

RYKLIS, S.G.

VEL'TMAN, R.P.; RYKLIS, S.G.

Synthesis of 2-aminomethylbenzothiazoles by the cyclization of
m-tolyl-thioureas. Ukr.khim.zhur. 20 no.1:73-76 '54. (MLRA 7:3)

1. Ukrainskiy nauchno-issledovatel'skiy institut tuberkuleza.
(Benzothiazole) (Thiourea)

KUL'BERG, L.M. [deceased]; RYKLIS, S.G.; YUFA, P.A.; VEL'TMAN, R.P.

Synthesis and properties of sulfametine, the new antitubercular preparation. Zhur.ob.khim. 26 no.1:168-172 Ja '56. (MLRA 9:5)

1. Khimicheskaya laboratoriya Ukrainского nauchno-issledovatel'skogo instituta tuberkuleza, Kiev.

(SULFAMETINE) (TUBERCULOSIS)

RYKLIS, S.S.; PERLIN, S.I.

Hydrolysis of chlorobenzenesulfonic acid, a by-product of
the DDT manufacture. Khim. prom. no.7:461-464 J1 '61.
(MIRA 14:7)

(Benzenesulfonic acid)
(Hydrolysis)

RYKLIS, S.G.; KOLOTILO, D.M.

Preparation of furfural at atmospheric pressure in a super-heated steam medium. *Gidroliz. i lesokhim.prom.* 14 no.2:3-5 '61. (MIRA 14:3)

1. Liyevskiy politekhnicheskii institut.
(Furaldehyde)

5(3)

PHASE I BOOK EXPLOITATION

SOV/1409

Ryklis, Semen Girgor'yevich, and Mariya Pavlovna Vysotskaya

Laboratornoye rukovodstvo po sintezu promezhutochnykh produktov i krasiteley (Laboratory Manual for the Synthesis of Dyes and Intermediate Products) [Kiyev] Izd-vo Kiyevskogo univ-ta, 1958. 191 p. 5,000 copies printed.

Ed.: M.S. Gornostaypol'skaya; Tech. Ed.: T.I. Khokhanovskaya

PURPOSE: This laboratory manual was approved by the Ministry of Higher Education of the UkrSSr as a textbook for chemical engineering departments of vuzes in the UkrSSR. It is intended for students specializing in the technology of organic dyes and intermediates. It may also be useful in textile vuzes.

COVERAGE: The text of this manual is based on the program of the Laboratory of Organic Dyes designed for 4th and 5th year students at the Kiyev Polytechnical Institute. The first part is devoted to dye intermediates. The subject matter is arranged according to the program of the course on "The Chemistry and Technology of Intermediates." The problems included in the first part deal with the syn-

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Laboratory Manual (Cont.)

SOV/1409

thesis of dye intermediates. The second part covers dyes and compiles with the program of the course on "The Chemistry and Technology of Dyes." Problems for both parts were composed on the basis of patents, literature sources, research papers, and experimental work of students, and were tested over a period of several years at the Laboratory of Organic Dyes at the Kiyev Polytechnical Institute in practical assignments for students specializing in the technology of dye intermediates and dyes. There are 20 figures and 13 references, 12 of which are Soviet. No personalities are mentioned.

TABLE OF CONTENTS:

Preface

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PART 1. INTERMEDIATES

Sulfonation

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| 1. Calculations for the preparation of sulfuric acid solutions | 7 |
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Card 11/11

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Zhur. prikl.khim. 31 no.7:1114-1118 J1 '58. (MIRA 11:9)

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politekhnikheskogo instituta.
(Condensation products (Chemistry)) (Chloral) (Benzene)

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products] Laboratornoe rukovodstvo po sintezu promezhutochnykh
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[with summary in English]. Mikrobiologiya, 26 no.3:257-262 My-Je '57.
(MIRA 10:10)

1. Institut mikrobiologii AN SSSR, Moskva.

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carbon, determ. labeled sucrose & carbonate (Rus))

(SUCROSE, metabolism,
Nitrosomonas, radioisotope-labeled in determ. of
carbon metab. (Rus))

(CARBON, metabolism,
Nitrosomonas, determ. with radioisotope-labeled sucrose
& carbonate (Rus))

RYKO, V.S. (Arkhangel'skaya oblast')

Deducing an approximate formula for a segmental area. Mat.
v shkole no.4:67-69 J1 Ag '61. (MIRA 14:8)
(Geometry--Problems, exercises, etc.)

XXVII, 1. 2.

L. A. Pashin, P. Matyvel', I. I. Rykorskii and M. Benadovich, The index of refraction of liquid mixtures. VI. Systems with formic acid. P. 1573.

The index of refraction of liquid mixtures of formic acid with aniline, *n*-ethyl-aniline, *is*-ethyl-aniline, pyridine and quinoline was investigated. Complexes composed of two molecules of formic acid and one molecule of each of the amines probably exist in these mixtures.

June 26, 1947

SC: Journal of General Chemistry (USSR) 23, (99, No. 9 (1947)

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(HYPOTHERMIA, experimental,

in heart surg., prev. of ventric. fibril. (Pol))

(HEART, surgery,

exper. bloodless with hypothermia, prev. of ventric. fibril. (Pol))

(VENTRICULAR FIBRILLATION, prevention and control,

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Sotsialisticheskaia rekonstruktsiia sviazi vo vtorom piatiletii. 6/ Socialist reconstruction of the communication system in the second five-year plan/. (Planovoe khoz-vo, 1934, no. 1, p. 182-199).

1. General results of the first five-year plan in 1933.
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- 3.. The main tasks of reconstruction of communications.
4. Development of the main radio communication network.
5. Telegraph apparatus.
6. Interurban stations.
7. Regional electric communications.
8. City telephone system.
9. Radiobroadcasting, radiofication and television.
10. Reconstruction of postal service

DLC: HC331.P52

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Green fallows are one and a half to twice as profitable as
clean fallows. Nauka i pered.op. v sel'khoz. 9 no.3:16-17
Mr '59. (MIRA 12:5)

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skogo pedagogicheskogo instituta.
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Osnovnye zadachi svyazi. [The main problems of communications]. (Planovoe khoz-vo, 1935, no. 2, p. 126-135). The new telegraph lines, New interurban telephone lines (p. 126). DLC: HC331.P52

SC: Soviet Transportation and Communications, A Bibliography, Library of Congress, Reference Department, Washington, 1952, Unclassified.

RYKOV, A. G., SPITSYN, V. I., SAVICH, I. A., and PIKAYEV, A. K.

"Complex Compounds of Hexavalent Uranium With Some Organic Substances; Part 2 -- Inner-Complex Salts of the Uranyl Ion With Some Derivatives of 2-Naphthol and of 1,2-Naphthoquinone," by I. A. Savich, A. K. Pikayev, A. G. Rykov, and V. I. Spitsyn, Moscow State University, Zhurnal Neorganicheskoy Khimii, Vol 1, No 12, Dec 56, pp 2742-2745

According to the article, compounds of the uranyl ion with 3-bromo-1,2-naphthoquinonemonoxime-1 and 3,4-dichloro-1,2-naphthoquinone-monoxime-1 were obtained. It was established that the compound of 3-bromo-1,2-naphthoquinonemonoxime-1 with uranyl forms crystalline solvates with water and alcohol. The solubility of these solvates in water was determined.

Sum 1258

RYKOV, A. G., SPITSYN, V. I., SAVICH, I. A., and PIKAYEV, A. K.

"Complex Compounds of Hexavalent Uranium With Some Organic Substances; Part 3 -- Precipitation of Uranium From Aqueous Solutions by Means of Some Substances Related to 1-Nitroso-2-Naphthol," by I. A. Savich, A. K. Pikayev, A. G. Rykov, and V. I. Spitsyn, Moscow State University, Zhurnal Neorganicheskoy Khimii, Vol 1, No 12, Dec 56, pp 2746-2748

It has been established that 3-bromo-1,2-naphthoquinonemonoxime-1 can be used as a precipitant for uranium. The precipitation of uranium with this reagent is complete and takes place at $pH = 2.7$. It has furthermore been established that 3,4-dichloro-1,2-naphthoquinonemonoxime-1 cannot be used as a reagent for the precipitation of uranium.

Sum 1255

ZAYTSEV, A. A., KOSYAKOV, V.N., RYKOV, A. G., SOBOLEV, Yu. P. and YAKOVLEV, G. N.
(Inst of Atomic Energy AS USSR)

"Investigation of Several Oxidation-Reduction Reactions of Americium"

Isotopes and Radiation in Chemistry, Collection of papers of
2nd All-Union Sci. Tech. Conf. on Use of Radioactive and Stable Isotopes and
Radiation in National Economy and Science, Moscow, Izd-vo AN SSSR, 1958, 380pp.

This volume published the reports of the Chemistry Section of the
2nd AU Sci Tech Conf on Use of Radioactive and Stable Isotopes and Radiation
in Science and the National Economy, sponsored by Acad Sci USSR and Main
Admin for Utilization of Atomic Energy under Council of Ministers USSR
Moscow 4-12 Apr 1957.

5 (2)

AUTHORS:

Zaytsev, A. A., Kosyakov, V. N.,
~~Rykov, A. G.~~, Sobolev, Yu. P.,
 Yakovlev, G. N.

SOV/89-7-1-7/26

TITLE:

The Radiolytic Reduction of Am (VI) and Am (V) (Radioliticheskiye vosstanovleniya Am (VI) i Am (V))

PERIODICAL:

Atomnaya energiya, 1959, Vol 7, Nr 1, pp 37 - 46 (USSR)

ABSTRACT:

The constants of the radiolytic reaction rate of AmO_2^{2+} in hydrochloric-, nitric- and sulphuric acid are experimentally determined, the radiation yields of the reduction products furnishing the values for calculating the reaction rate. If these quantities are combined with the production of hydrogen peroxide, it is possible herefrom to draw conclusions as to the contribution made by hydrogen radicals in the reduction reaction. On the basis of experimental data it is believed to be possible to give a mechanism for the radiolytic reduction of AmO_2^{2+} and AmO_2^+ . From the equations deduced for the reduction rate of AmO_2^+ it is possible to calculate the production of hydrogen peroxide and of hydrogen radicals in the solutions in-

Card 1/3

The Radiolytic Reduction of Am (VI) and Am (V)

SOV/89-7-1-7/26

investigated. The following is to be said with respect to the experimental part: Chemically pure Am^{241} was used, which contained less than 1% impurities. The chemical reagents were purified separately although they were "chemically pure". The americium concentration in the solutions were radiometrically measured. The production of Am(V), Am(VI), the self-reduction of Am(V) and Am(VI), and the accumulation of hydrogen peroxide in Am^{241} -solutions are described in detail. The results obtained are partly shown by diagrams, and the following curves deserve special mention: a) radiolytic reaction of americium in 2.0 M HClO_4 and in 0.2 M $\text{HClO}_4 + 1.0 \text{ M H}_2\text{SO}_4$; radiolytic reaction of Am(V) and accumulation of H_2O_2 in 1.0 M H_2SO_4 . b) Variation of the average valence state ($\bar{N}$) of americium in the radiolytic reduction in 9.0 M HClO_4 at various americium concentrations. c) Variation of the average valence state ($\bar{N}$) of americium in the radiolytic reaction in 0.5 M HNO_3 up to 14.3 M HNO_3 . The rates and the yield of the radiolytic reduc-

Card 2/3

The Radiolytic Reduction of Am (VI) and Am (V)

SOV/89-7-1-7/26

tion of AmO_2^{2+} , the observed and calculated reduction rate of AmO_2^{2+} in 0.1 M H_2SO_4 , as well as the yields of H_2O_2 and of the hydrogen radicals in sulphuric- and hydrochloric acid are given in tables. There are 7 figures, 3 tables, and 13 references, 3 of which are Soviet.

SUBMITTED: November 17, 1958

Card 3/3

21 (1), 5 (2)

AUTHORS:

Zaytsev, A. A., Kosyakov, V. N., Rykov, A. G., Sobolev, Yu. P., Yakovlev, G. N. SOV/89-7-1-13/26

TITLE:

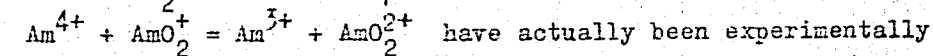
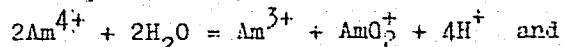
Disproportionation of Am (IV) (Disproportsionirovaniye Am (IV))

PERIODICAL:

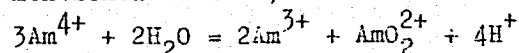
Atomnaya energiya. 1959. Vol 7, Nr 1, pp 69-71 (USSR)

ABSTRACT:

As a preliminary result, it is said that the reactions



proved. The production of the various chemical solutions and the times needed for working-up the material are given. The concentration of Am (III), Am (IV), and Am (VI) was measured by means of the quartz spectrometer SF-4. The material to be measured was filled into a hermetically closable cylindrical cuvette of 2 cm length, and was measured in the spectrometer in this condition. Total americium concentration was determined from the α -activity of the Am^{241} . Apart from the initially mentioned results, it was further stated that the reactions:



Card 1/2

Disproportionation of Am (IV)

SOV/89-7-1-13/26

$2\text{AmO}_2^+ + 4\text{H}^+ = \text{AmO}_2^{2+} + \text{Am}^{4+} + 2\text{H}_2\text{O}$ can be proved. The yields of individual reactions depending upon the molar concentration of the various solutions are mentioned. There are 1 table and 8 references, 2 of which are Soviet.

SUBMITTED: November 17, 1958

Card 2/2

ZAYTSEV, A.A.; KOSYAKOV, V.N.; RYKOV, A.G.; SOBOLEV, Yu.P.; YAKOVLEV, G.N.

Disproportionation of americium(V). Radiokhimiia 2 no.3:339-347 '60.
(MIRA 13:10)

(Americium)

ZAYTSEV, A.A.; KOSYAKOV, V.N.; RYKOV, A.G.; SOBOLEV, Yu.P.; YAKOVLEV, G.N.

Kinetics of reduction of americium(V) by hydrogen peroxide. Radio-
khimiia 2 no.3:348-350 '60. (MIRA 13:10)
(Americium) (Hydrogen peroxide)

ZAYTSEV, A.A.; KOSYAKOV, V.N.; RYKOV, A.G.; SOBOLEV, Yu.P.;
YAKOVLEV, G.N.

[Kinetics of americium (V) reduction by hydrogen peroxide]
Kinetika vosstanovleniia ameritsiia (V) perekis'iu vodoroda.
Moskva, In-t atomnoi energii AN SSSR, 1960. 11 p.
(MIRA 16:12)

(Americium) (Reduction, Chemical)

ZAYTSEV, A.A.; KOSYAKOV, V.N.; RYKOV, A.G.; SOBOLEV, Yu.P.;
YAKOVLEV, G.N.

[Disproportionation of americium (V)] Disproportioniro-
vanie ameritsiia (V). Moskva, In-t atomnoi energii AN SSSR,
1960. 18 p. (MIRA 16:12)
(Americium)

L 34051-66 EWT(m)/EWP(j)/EWP(t)/ETI IJP(c) JD/MW/TH/JG/BM
ACC NR: AP6025486 SOURCE CODE: UR/0186/66/008/001/0033/0042

AUTHOR: Rykov, A. G.; Vasil'yev, V. Ya.; Yakovlev, G. N.

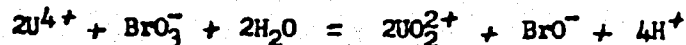
ORG: none

TITLE: Investigations of oxidation-reduction reactions of actinide elements. III.
Kinetics of the reaction between uranium (IV) and bromate ions in perchlorate solutions

SOURCE: Radiokhimiya, v. 8, no. 1, 1966, 33-42

TOPIC TAGS: oxidation reduction reaction, chemical kinetics, uranium, bromate, anion, stoichiometry, reaction rate, hydrogen ion, ion concentration

ABSTRACT: The mechanism of the conversion of M^{4+} ions to Mo_2^{+} or Mo_3^{+} ions in the reaction with anion oxidants has not been well studied. The present study deals with the kinetics of oxidation-reduction reactions of ions of actinide elements with oxygen-containing anions. The experiments on the determination of the stoichiometry of the reaction were conducted at 25°C in 2 M $HClO_4$. The results showed that the stoichiometric coefficient of the reaction remains approximately constant within the limits of 2.1-2.3 with a change in the ratio of initial reagent concentrations $[U(IV)]_0/[BrO_3^-]_0$ from 2.5 to 5.5. Evidently, the principal reaction is



Card 1/2

UDC: 541.127+546.791.4

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ACC NR: AP6025486

accompanied by considerably slower oxidation of U(IV) by BrO^- ions. It has been shown that the reaction governing the rate of the overall process passes through two activated complexes formed under different equations. The reaction rate in the first route does not depend on concentration of hydrogen ions, and along the second -- it is proportional to the square of the H^+ ion concentration. Thermodynamic values have been found characterizing the reactions of formation of each activated complex. The formal entropy values of these complexes have been calculated. Orig. art. has: 10 figures and 7 tables. [JPRS: 35,728]

SUB CODE: 07 / SUBM DATE: 23Nov64 / ORIG REF: 010 / OTH REF: 011

Card 2/2

L 40350-66 EWF(j)/EWT(m)/EWP(t)/ETI IJF(c) RM/WW/JW/JD/JG

ACC NR: AP6019151

(A)

SOURCE CODE: UR/0186/66/008/001/0020/0026

AUTHOR: Rykov, A. G.; Yakovlev, G. N.

ORG: none

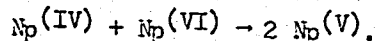
42
40
B

TITLE: Study of redox reactions of actinide elements. Part 1: Kinetics of the reaction between neptunium (IV) and neptunium (VI) in perchlorate solutions

SOURCE: Radiokhimiya, v. 8, no. 1, 1966, 20-26

TOPIC TAGS: neptunium, oxidation reduction reaction, oxidation kinetics, perchlorate

ABSTRACT: The kinetics of the reaction between Np(IV) and Np(VI) ions were studied in perchlorate solutions with an ionic strength of 2.0. Spectrophotometric determination of the concentrations of Np (IV), (V), and (VI) showed that the stoichiometric reaction is given by the equation



The reaction is first order, with respect to both Np(IV) and Np(VI):

$$v = \frac{d[\text{Np(V)}]}{dt} = k' [\text{Np(IV)}] [\text{Np(VI)}].$$

A study of the reaction rate as a function of acidity and temperature was made. Since the reaction can proceed along several (at least two) parallel paths, the follow-

Card 1/2

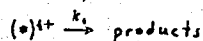
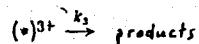
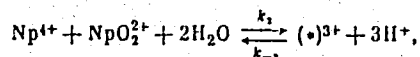
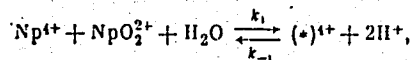
UDC: 541.127+546.799.3

L 40350-66

ACC NR: AP6019151

2

ing reaction mechanism is proposed



where $(*)^{n+}$ stands for an activated complex of charge $+n$. The corresponding reaction rate constants were found. The thermodynamic quantities characterizing the process of formation of both activated complexes were obtained, and values of their formal entropies were calculated. Orig. art. has: 3 figures, 3 tables, and 15 formulas.

SUB CODE: 07/ SUBM DATE: 07Sep64/ ORIG REF: 002/ OTH REF: 021

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Card 2/2

L 40349-66 EWP(j)/EWT(m)/EWP(t)/ETI IJP(c) RM/WK/JD/JG

ACC NR: AP6019152

(A)

SOURCE CODE: UR/0186/66/008/001/0027/0032

AUTHOR: Rykov, A. G.; Yakovlev, G. N.

31
B

ORG: none

TITLE: Studies of redox reactions of actinide elements. Part 2: Kinetics of the reaction between neptunium (IV) and neptunium (VI) in nitrate solutions

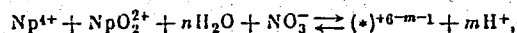
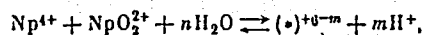
SOURCE: Radiokhimiya, v. 8, no. 1, 1966, 27-32

TOPIC TAGS: neptunium, oxidation reduction reaction, nitrate, oxidation kinetics

ABSTRACT: The effect of complexing of $Np(IV)$ and $Np(VI)$ with nitrate ions on the kinetics of the stoichiometric reaction $Np(IV) + Np(VI) \rightarrow 2 Np$ was investigated at an ionic strength of 2.0. The reaction is first order with respect to both $Np(IV)$ and $Np(VI)$:

$$-\frac{d[Np^{(IV)}]}{dt} = \frac{1}{2} \frac{d[Np^{(VI)}]}{dt} = k' [Np^{(IV)}] [Np^{(VI)}]$$

In the presence of nitrate ions, the reaction passes through two activated complexes



(where $(*)$ stands for the activated complex) which then decompose via independent paths.

Card 1/2

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The main path of the reaction involves the formation of an active complex whose composition includes only one NO_3^- ion. The thermodynamic quantities (ΔH^* , ΔG^* , ΔS^* , S^*) characterizing the formation of the nitrate activated complex were calculated. Orig. art. has: 2 figures, 3 tables, and 16 formulas.

SUB CODE: 07/ SUBM DATE: 07Sep64/ ORIG REF: 001/ OTH REF: 006

Card 2/2

KUDULIS, A.P.; RYKOV, A.I., inzh.

Sinking inclined holes at the Vuoksa quarry. Transp. stroi.
15 no.6:51 Je '65. (MIRA 18:12)

1. Glavnyy inzh. spetsial'nogo upravleniya No.79 Transvzryv-
prowa (for Kudulis).

RYKOV, A. Kh.
GOFF, L.A.; RYKOV, A.Kh., glavnyy mekhanik

Bilateral revolving table for photographic printing. Tekst.prom.
15 no.9:32-33 S '55. (MIRA 8:11)

1. Inzhener-khimik fabrik "Punane Koit"
(Textile printing--Equipment and supplies)