

RYBNIKOV, A. K. (Moskva)

On affinely connected spaces without first-class torsion.
Mat. sbor. 58 no.4:423-438 D '62. (MIRA 16:1)

(Geometry, Differential)

RYBNIKOV, A.K.

Group connectivities of absolute parallelism realizable on
hypersurfaces of an affine space. Vest. Mosk. un. Ser. 1:
Mat., mekh. 19 no.4:30-41. J1-Ag '64. (MIRA 17:6)

1. Kafedra matematicheskogo analiza Moshkovskogo universiteta.

TSIPARIS, I.N. [Ciparis, I.]; DZHEKCHIORYUS, L.M. [Dzerkciorius, L.];
KAPITAL'NIYY, V.G.; RYBNIKOV, A.N.

Extractive rectification of raw acetic acid using sodium acetate.
Gidroliz. i lesokhim. prom. 17 no.4:16-19 '64 (MIRA 17:7)

1. Litovskaya sel'skokhozyaystvennaya akademiya (for TSiparis,
Dzhekzhiorius). 2. Dmitriyevskiy lesokhimicheskiy zavod (for
Kapital'nyy, Rybnikov).

DROZDOV, N.P.; KUPTSOVA, Z.K.; VLADIMIROVA, V.A.; YELISEYEVA, N.I.;
RYBNIKOV, A.N.

Purification of the waste waters from butyl acetate manufacture.
Gidroliz. i lesokhim.prom. 17 no.1:26-28 '64. (MIRA 17:4)

1. Tsentral'nyy nauchno-issledovatel'skiy lesokhimicheskiy
institut (for Drozdov, Kuptsova, Vladimirova). 2. Dmitriyevskiy
lesokhimicheskiy zavod (for Yeliseyeva, Rybnikov).

RYBNIKOV, A.N., inzhener.

~~Production of higher ethers. Hidroliz. i lesokhim. prom.~~
9 no.4:22-23 '56. (MLRA 9:11)

1. Dmitriyevskiy lesokhimicheskiy zavod.
(Ethers)

REZVIN, A.Kh.; RYBNIKOV, A.V.

Reducing the cost of heating systems. Vod. i san.tekh, no.1:35
Ja '59. (MIRA 12:1)

(Heating--Costs)

Rybnikov, B. A.

Metals

1416. The properties of refractories made from magnesite mixed with high-alumina materials. — B. A. Rybnikov (*Ogneipory*, 21, 37, 1956). In Russian. In attempts to improve the spalling resistance and R.U.L. of magnesite refractories, pure magnesite was mixed with corundum and gibbsite and the properties of the fired bricks were determined. (1 table.)

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VOIKOV, A.A., kand. tekhn. nauk; YEFIMOV, A.N., inzh.; RYBNIKOV, E.N., inzh.

Studying the correction of the dynamic properties of mine excavating machines by mathematical modeling. Izv. vys. ucheb. zav.; gor. zhur. 8 no.7:174-179 '65. (MIRA 18:9)

1. Khar'kovskiy institut gornogo mashinostroyeniya, avtomatiki i vychislitel'noy tekhniki. Rekomendovana kafedroy tekhnicheskoy kibernetiki.

YEfimov, N. kand.tekhn.nauk; RYBNIKOV, E.N., inzh.

Effect of the rigidity of the traction link on the dynamic properties of a chain-type actuating mechanism of a mining machine. Izv.vys.ucheb.zav.; gor.zhur. 8 no.11:89-93 '65. (MIRA 1961)

1. Khar'kovskiy Institut gornogo mashinostroyeniya, avtomatiki i vychislitel'noy tekhniki. Rekomendovana kafedroy tekhnicheskoy kibernetiki. Submitted January 28, 1965.

BOLEVA, A.A., kand. tekhn. nauk; YEFIMOV, A.N., inzh.; RYBNIKOV, L.K., inzh.

Effect of parametric optimization on the dynamic properties of
mining machinery. Izv. vys. ucheb. zav.; gor. zhur. 8 no.1:136-
141, 1965. (NISA 18:3)

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vychislitel'noy tekhniki. Rekomandovana kafedroy tekhnicheskoy
kibernetiki.

RYBNIKOV, G.

Universal auger grain loader. Tekh. v sel'khoz. 20 no.7:66-
68 JI '60. (MIRA 13:9)
(Loading and unloading) (Grain-handling machinery)

RYBNIKOV, G., inzhener.

Automatic hook setter. Tekh.mol. 22 no.7:40 J1 '54. (MLRA 7:6)
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RYBNIKOV, G. M.
~~RYBNIKOV, G. M.~~

N. Ye Zhukovskiy Central Aerohydrodynamics Inst., (-1946-)

"Use of Ejectors in Gas-collecting Networks."

Ia. Ak. Nauk, Otdel Tekh. Nauk, No. 3, 1946.

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Reducing the discharge of harmful gases into the atmosphere during
the concentration of sulfuric acid. Khim.prom. no.8:572-573
Ag '61. (MIRA 14:8)
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KAKHANOVICH, T.M.; RYBNIKOV, G.S., inzh.

Operation of electric filters in gypsum plants. Stroi. mat. 5
no.6:28-30 Je '59. (MIRA 12:8)
(Gypsum) (Filters and filtration)

IVANOV, A.P.; KIRILLOV, I.F.; RYBNIKOV, I.F.; SIROTOV, K.M.; SOROKINA,
M.I., red.; ZARKH, I.M., tekhn.red.

[Hydrometeorological observations made on the "Slava-15" whaler
of the Antarctic Whaling Fleet in 1955-58 and deep-sea hydrological
observations carried out in 1950-51 and 1953-58] Gidrometeorolo-
gicheskie nabludeniia na kitoboinom sudne "Slava-15" Antarkticheskoi
kitoboinoi flotili v 1955-58 gg. i glubokovodnye gidrologicheskie
nabludeniia v 1950-51 i 1953-58 gg. Moskva, Gidrometeor. izd-vo
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institut. Trudy, no.58). (MIRA 13:11)

(Antarctic regions--Meteorology, Maritime--Observations)
(Whaling--Research)

(Antarctic regions--Deep-sea sounding)

RYBNIKOV, K. A.

37157. Pervye etapy. Razvitiya Variatsionnogo Ischisleniya. V sb: Ist-matem
Issledovaniya. Vsp. 2. M - L 1949, s. 355-498

SO: Letopis' Zhurnal'nykh Statey, Vol 7, 1949

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Rybnikov, K. A. Viktor Viktorovič Bobynin. Trudy Sem.
MGU Istor. Mat. Istor. Mat. Issledov. no. 3, 343-357
(1 plate) (1950). (Russian)
The discussion of Bobynin's work is followed (pp. 358-
396) by a list of his published works prepared by A. M.
Lukomskaya.

Source: Mathematical Reviews,

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RYBNIKOV, K.A. (Moscow)

So-called creative and critical periods in the history of mathematical analysis. Ist.-mat.issl. no.7:643-665 '54. (MLRA 8:6)
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RYBNIKOV, K. A.

Dissertation: -- "Inverse Boundary-Value Problems of the Theory of Analytical Functions and Their Applications to Mechanics." Dr Phys-Math Sci, Moscow Order of Lenin State U Imeni N. V. Lomonosov, 25 Jun 54. (Vechernyaya Moskva, Moscow, 16 Jun 54)

*(maybe a mistake - see
dissertation info in dossier)*

SO: Sum 318, 23 Dec. 1954

Handwritten notes:
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ABRAMOV, A.A., redaktor; BOLTYANSKIY, V.G., redaktor; VASIL'YEV, A.M., redaktor; MEDVEDEV, B.V., redaktor; MYSHKIS, A.D., redaktor; NIKOL'SKIY, S.M., otvetstvennyy redaktor; POSTNIKOV, A.G., redaktor; PROKHOROV, Yu.V., redaktor; RYBNIKOV, K.A., redaktor; UL'YANOV, P.L., redaktor; USPENSKIY, V.A., redaktor; CHETAYEV, N.G., redaktor; SHILOV, G.Ye., redaktor; SHIRSHOV, A.I., redaktor; SIMKINA, Ye.N., tekhnicheskiiy redaktor

[Proceedings of the all-Union Mathematical Congress] Trudy tret'ego vsesoyuznogo Matematicheskogo s'ezda; Moskva iyun'-iul' 1956. Moskva, Izd-vo Akademii nauk SSSR. Vol.2. [Brief summaries of reports] Kratkoe sodержanie obzornykh i sektiionnykh dokladov, 1956. 166 p. (MLRA 9:9)

1. Vsesoyuznyy matematicheskiy s'yezd. 3, Moscow, 1956. (Mathematics)

ABRAMOV, A.A., redaktor; BOLTYANSKIY, V.G., redaktor; VASIL'YEV, A.M.,
redaktor; MEDVEDEV, B.V., redaktor; MYSHKIS, A.D., redaktor;
NIKOL'SKIY, S.M., otvetstvennyy redaktor; POSTNIKOV, A.G., redaktor;
PROKHOROV, Yu.V., redaktor; RYBNIKOV, K.A., redaktor; UL'YANOV, P.L.,
redaktor; USPENSKIY, V.A., redaktor; CHETAYEV, N.G., redaktor;
SHILOV, G.Ye., redaktor; SHIRSHOV, A.I., redaktor; SIMKINA, Ye.N.,
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doklady. 1956. 236 p. (MIRA 9:7)

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~~Karl Friedrich Gauss.~~ Vop. ist.est. i tekhn. no.1:44-53
'56.

(MIRA 9:10)

(Gauss, Karl Friedrich, 1777-1855)

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Role of algorithms in the history of the principles of mathematical
analysis. Trudy Inst.ist.est.i tekhn. 17:287-299 '57. (MIRA 10:7)
(Calculus) (Algorism)

NIKOL'SKIY, S.M., otv.red.; ABRAMOV, A.A., red.; BOLTYANSKIY, V.G., red.;
VASIL'YEV, A.M., red.; MEDVEDEV, B.V., red.; MYSHKIS, A.D., red.;
POSTNIKOV, A.G., red.; PROKHOROV, Yu.V., red.; RYANIKOV, I.A.,
red.; UL'YANOV, P.L., red.; USPENSKIY, V.A., red.; CHETAYEV, N.G.,
red.; SHILOV, G.Ye., red.; SHIRSHOV, A.I., red.; GUSEVA, I.N.,
tekhn.red.

[Proceedings of the Third All-Union Mathematical Congress] Trudy
tret'ego Vsesoyuznogo matematicheskogo s"ezda. Vol.3 [Synoptic
papers] Obzornye doklady. Moskva, Izd-vo Akad.nauk SSSR, 1958. 596 p.
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Uspeni Mat. Nauk (N.S.) 10, no. 1 (63), 197-199 (1955).
MS (Russian)

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P 4

16(1) PHASE I BOOK EXPLOITATION SOV/1366

Istoriko-matematicheskiye issledovaniya, V. 11 (Research in Mathematical History, Nr 11) Moscow, Fizmatgiz, 1958. 792 p. 3,000 copies printed.

Eds. (Title page): Rybkin, G.F. and Yushkevich, A.P.; Ed. (Inside book): Konoplyankin, A.A.; Tech. Ed.: Murashova, N. Ya.

PURPOSE: This book is intended for mathematicians and others interested in the history of mathematics, and may serve as the basis for a suitable university text on the history of mathematics, thereby filling the most serious gap in Soviet mathematical literature.

COVERAGE: This book contains reports made by members of the section on the history of mathematics at the Third All-Union Mathematical Congress which discussed problems of the history of mathematics and various articles on the significance of the history of mathematics

Card 1/8

Rybnikov, K.A. (Moscow). On the Subject Matter of the History of Mathematics 209

Rybnikov, K.A. (Moscow). On the Algebraic Roots of Differential Calculus 583

BASHMAKOVA, I.G.; RYBNIKOV, K.A.; YUSHKEVICH, A.P.; YANOVSKAYA, S.A.

Program for the course in the history of mathematics at Moscow
State University. Ist.-mat.issl. no.11:185-192 '58.
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(Mathematics)

RYBNIKOV, K.A.
KONONKOV, Arkadiy Fedorovich; VOVCHENKO, G.D., prof., otv.red.; BERN-
SHTEYN, S.B., prof., red.; VILENSKIY, D.G., prof., red.;
GORDEYEV, D.I., prof., red.; GUDZIY, N.K., prof., red.; ZAYON-
CHKOVSKIY, P.A., prof., red.; KEGHEK'YAN, S.V., prof., red.;
POLYANSKIY, F.Ya., prof., red.; RYBNIKOV, K.A., prof., red.;
SKAZKIN, S.D., akademik, red.; SOLOV'YEV, A.N., dotsent, red.;
ZAYTSEVA, M.G., red.; GEORGIYEVA, G.I., tekhn.red.

Petr Ivanovich Strakhov. Moskva, Izd-vo Mosk.univ., 1959.
91 p. (MIRA 13:2)

(Strakhov, Petr Ivanovich, 1757-1813)

KUKARKIN, Boris Vasil'yevich, prof.; RYBNIKOV, Konstantin Aleksaeyevich,
prof.; BASHMAKOVA, Izabella Grigor'yevna; YUSHKEVICH, Adol'f
Pavlovich; YANOVSKAYA, Sof'ya Aleksandrovna; SPASSKIY, Boris
Ivanovich, dotsent; MIKHAYLOV, Glab Konstantinovich, starshiy
nauchnyy sotrudnik; MATYNOV, D.Ya., prof., otv.red.; GORDEYEV,
D.I., prof., red.; IVANENKO, D.D., prof., red.; KUDRYAVTSEV,
P.S., prof., red.; KULIKOVSKIY, P.G., dotsent, red.; KHRGIAN,
A.Kh., prof., red.; SHEVTSOV, N.S., prof., red.; VERKHUNOV,
V.M., assistent, red.; KONONKOV, A.F., red.; YERMAKOV, M.S.,
tekh.n.red.

[Programs of courses on the history of the physicomathematical
sciences] Programmy po istorii fiziko-matematicheskikh nauk.
Moskva, 1959. 40 p. (MIRA 12:12)

1. Moscow. Universitet. 2. Orgkomitet Vsesoyuznoy mezhvuzovskoy
konferentsii po istorii fiziko-matematicheskikh nauk (for Kukarkin,
Rybnikov, Spasskiy, Gordeyev, Ivanenko, Kudryavtsev, Kulikovskiy,
Mikhaylov, Khrgian, Shevtsov, Verkhunov, Kononkov).

(Physics--Study and teaching)

(Mathematics--Study and teaching)

PART I. SCIENTIFIC

PHILOSOPHY OF SCIENCE: HISTORICAL AND LOGICAL FOUNDATIONS OF SCIENCE
 (Philosophy of Science, History of Science, and Epistemology)
 V. I. Lenin, *Materialism and Empirio-criticism*, 1909
 155
 B. I. Zelenskiy, *On the Philosophy of Science*, 1937
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PHILOSOPHY OF SCIENCE: HISTORICAL AND LOGICAL FOUNDATIONS OF SCIENCE
 (Philosophy of Science, History of Science, and Epistemology)
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Rybnikov, K.A.

PART II. MATHEMATICS

PHILOSOPHY OF SCIENCE: HISTORICAL AND LOGICAL FOUNDATIONS OF SCIENCE
 (Philosophy of Science, History of Science, and Epistemology)
 V. I. Lenin, *Materialism and Empirio-criticism*, 1909
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RYBNIKOV, K.A. (Moskva)

New undertaking of the journal of mathematical abstracts.
Mat. v shkole no.2:79-80 Apr-May '59. (MIRA 12:6)
(Mathematics--Periodicals--Indexes)

LEVSHIN, Leonid Vadimovich; VOVCHENKO, G.D., prof., otv.red.; BERNSHTEYN,
S.B., prof., red.; VILENSKIY, D.G., prof., red.; GORDEYEV, D.I.,
prof., red.; GUDZIY, N.K., prof., red.; ZAYONCHKOVSKIY, P.A., prof.,
red.; KECHER'YAN, S.F., prof., red.; MEL'NIKOVA, K.P., kand.nauk, red.;
POLYANSKIY, F.Ya., prof., red.; RYBNIKOV, K.A., prof., red.; SKAZKIN,
S.D., akademik, red.; SOLOV'YEV, A.N., dotsent, red.; ZATTSEVA, M.G.,
red.; GEORGIYEVA, G.I., tekhn.red.

Sergei Ivanovich Vavilov. Moskva, Izd-vo Mosk.univ., 1960. 101 p.
(Zamechatel'nye uchenye Moskovskogo universiteta, no.24).
(MIRA 13:6)

(Vavilov, Sergei Ivanovich, 1891-1951)

RYBNIKOV, K.A., prof., red.; SPASSKIY, B.I., dotsent, red.; GORDEYEV, D.I.,
prof., red.; IVANENKO, D.D., prof., red.; KUDRYAVTSEV, P.S., prof.,
red.; KUKARKIN, B.V., prof., red.; KULIKOVSKIY, P.G., dotsent, red.;
MIKHAYLOV, G.K., starshiy nauchnyy sotrudnik, red.; KHRGIAN, A.Kh.,
prof., red.; SHEVTSOV, N.S., prof., red.; VERKHUNOV, V.M., assistant,
red.; KONONKOV, A.F., red.; MALIKOVA, M.A., red.; SOROKINA, L.A.,
red.; YERMAKOV, M.S., tekhn.red.

[Summaries of papers and reports of the Interuniversity Conference
on the History of Physics and Mathematics] Tezisy dokladov i soob-
shchenii Mezhvuzovskoi konferentsii po istorii fiziko-matematicheskikh
nauk. Moskva, Izd-vo Mosk.univ., 1960. 187 p. (MIRA 13:6)

1. Mezhvuzovskaya konferentsiya po istorii fiziko-matematicheskikh
nauk. 1960.
(Mathematics--Congresses) (Physics--Congresses)

GORDEYEV, D.I., prof., glav. red.; DVORYANKIN, F.A., prof., red.;
KONONKOV, A.F., red.; RYBNIKOV, K.A., prof., red.; SOLOV'YEV,
A.I., dotsent, red.; SPASSKIY, B.I., dotsent, red.; FIGUROV-
SKIY, N.A., prof., red.; SHEVTSOV, N.S., prof., red.; KHERGIAN,
A.Kh., prof., red.; ZAYTSEVA, M.G., red.; YERMAKOV, M.S., tekhn.
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[History and methodology of the natural sciences] Istorija i
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zika. 1960. 221 p. (MIRA 14:5)

1. Moscow. Universitet.

(Physics)

RYBNIKOV, Konstantin Alekseyevich

[History of mathematics] Istorija matematiki. Moskva,
Izd-vo Mosk.univ. Vol.1. 1960. (MIRA 14:4)
(Mathematics--History)

BAKHVALOV, Sergey Vladimirovich: VOVCHENKO, G.D., prof., otv.red.;
BERNSHTYN, S.B., prof., red.; VILENSKIY, D.G., prof., red.
[deceased]; GORDIYEV, D.I., prof., red.; GUDZIY, N.K., prof.,
red.; ZAYONCHKOVSKIY, P.A., prof., red.; KECHER'YAN, S.F.,
prof., red.; MEL'NIKOVA, K.P., kand.nauk, red.; POLYANSKIY,
F.Ya., prof., red.; RYBNIKOV, K.A., prof., red.; SKAZKIN,
S.D., akademik, red.; SOLOV'YEV, A.N., dotsent, red.;
GOL'DENBERG, G.S., red.; GEORGIYEVA, G.I., tekhn.red.

Nil Aleksandrovich Glagolev. Moskva, Izd-vo Mosk.univ.,
1961. 29 p. (Zamechatsel'nye uchenye Moskovskogo universiteta,
no.28). (MIRA 14:12)
(Glagolev, Nil Aleksandrovich, 1888-1945)
(Nomography (Mathematics)) (Geometry, Projective)

REMEZOV, Nil Petrovich ; VOVCHENKO, G.D., prof., otv. red.; GORDEYEV, D.I.,
prof., red.; VILENSKIY, D.G., prof., red.; BERNSHTEYN, S.B., prof.,
red.; GUDZIY, N.K., prof., red.; ZAYONCHKOVSKIY, P.A., prof., red.;
KECHEK'YAN, S.F., prof., red.; MEL'NIKOVA, K.P., kand. geologo-
mineralog. nauk, red.; POLYANSKIY, F.Ya., prof., red.; RYBNIKOV, K.A.,
prof., red.; SKAZKIN, S.D., akad., red.; SOLOV'YEV, A.I., dots., red.;
KOROBTSOVA, N.A., red.; MASLENNIKOVA, T.A., tekhn. red.

[Vladimir Vasil'evich Gemmerling] Vladimir Vasil'evich Gemmerling.
Moskva, Izd-vo Mosk. univ., 1961. 57 p. (MIRA 14:7)
(Gemmerling, Vladimir Vasil'evich, 1880-1954)

RYBNIKOV, K.A.

Ivan Georgievich Petrovskii; on his 60th birthday. Mat. v shkole
no. 3:80-83 My-Je '61. (MIRA 14:5)
(Petrovskii, Ivan Georgievich, 1901-)

RYBNIKOV, K. A.

"On the Plan of Training Specialists In Computational Mathematics"

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Computational Techniques, Moscow, 16-28 November 1961

So: Problemy kibernetiki, Issue 5, 1961, pp 289-294

OLEYNIK, O.A.; RYBNIKOV, K.A.

Second Hungarian Mathematics Congress. Usp. mat. nauk
16 no.1:219-220 Ja-F '61. (MIRA 14:6)
(Mathematics--Congresses)

RYBNIKOV, Konstantin Alekseyevich; SOROKINA, L.A., red.; GEORGIYEVA,
G.I., tekhn. red.

[History of mathematics] Istorii matematiki. Moskva, Izd-
vo Mosk. univ. Vol.2. 1963. 332 p. (MIRA 16:7)
(Mathematics)

RYBNIKOV, K.A., prof., red.; SPASSKIY, B.I., dots., red.; KUDRYAVTSEV,
P.S., prof., red.; KULIKOVSKIY, P.G., dots., red.; LITINETSKIY,
I.B., dots., red.; MIKHAYLOV, G.K., st. nauchnyy sotr., red.;
VERKHUNOV, V.M., kand. fiz.-matem. nauk, red.; KONONKOV, A.F.,
kand. fiz.-matem. nauk, red.; SOROKINA, L.A., nauchnyy red.;
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GOROKHOVA, S.S., tekhn. red.

[Problems of the history of the physical and mathematical sci-
ences] Voprosy istorii fiziko-matematicheskikh nauk. Moskva, Gos.
izd-vo "Vysshaya shkola," 1963. 522 p. (MIRA 16:7)
(Physics) (Mathematics)

RYBNIKOV, M.

Improving the practice in issuing credit to collective and state
farms. Den. i kred. 21 no.8:40-42 Ag '63. (MIRA 16:9)
(Agricultural credit)

RYBNIKOV, M.S., inzh.

Urgent problems in the development of the sewer system in Moscow.
Gor.khoz. Mosk. 34 no.12:13-15 D '60. (MIRA 13:12)
(Moscow--Sewerage)

RYBNIKOV, N.A.

On the history of psychological bibliography. Vop.psikhol. no.1:
109-112 Ja-F '56. (MLRA 9:5)
(Bibliography--Psychology)

RYBNIKOV, N.I.; DIMANT, M.I.

Complications in corticosteroid treatment. Vrach. delo no.2:
147-148 F'64 (MIRA 17:4)

1. Kafedra propedevticheskoy terapii (ispolnyayushchiy ob-
yazaniosti zaveduyushchego - kand. med. nauk R.I.Boydyk)
Vinnitskogo meditsinskogo instituta i terapevticheskoye ot-
deleniye Uzlovoy klinicheskoy bol'nitsy stantsii Vinnitsa.

RYBNIKOV, ^NI. I., Cand Med Sci -- "Vascular displacements according to dermothermometric data as an ^{indicator} effective ~~indicator~~ of ^{treatment with} ~~therapy by the~~ Khmel'nitskiy radon baths of patients suffering from certain cardiovascular diseases." Chernovtsy, 1961. (Chernovtsy State Med Inst) (KL, 8-61, 264)

RYBNIKOV, N.I.; NOVITSKIY, G.A.

Vascular changes as an index of the effectiveness of treating
polyarthritis of various etiology with Kamel'nik radon mineral
baths. Vop.kur., fizioter. i lech. fiz. kul't. 30 no.5:162-163
3-0 '65. (MIRA 18:12)

1. Kafedra propedevticheskoy terapii (zas. - prof. M.Ye.
Milimovka) Vinnitskogo meditsinskogo instituta imeni Pirogova.

GRIBANOV, P.G.; LAPINA, A.A. METELITSYN, G.T.; MORAR', I.M.;
NIZHENKO, T.A.; RYBNIKOV, N.N.; SEL'MANOVICH, L.V.;
KAS'YANOV, A.P., red.; BARANOV, I.A., tekhn. red.

[Aid to the study of the economics of the trawler fleet]
V pomoshch' izuchaiushchim ekonomiku tralovogo flota.
Murmansk, Murmanskoe knizhnoe izd-vo, 1960. 76 p.
(MIRA 16:5)

(Trawls and trawling--Accounting)
(Index numbers (Economics))

AUTHOR: Rybnikov, S. (Deceased) SOV-2-58-8-5/12

TITLE: A Method of Computing Amortization Deductions in Percentage
(O metode rascheta protsenta amortizatsionnykh otchisleniy)

PERIODICAL: Vestnik statistiki, 1958, Nr 8, pp 40 - 42 (USSR)

ABSTRACT: The author disagrees with those economists who consider it necessary to accumulate an amortization fund sufficiently high to acquire appropriate new equipment. He maintains that if the entire expenditure for labor, which is invested in the equipment, is not fully included in the prime cost of the material produced, then at the end of the wear and tear period a part of the property will appear on the balance sheet as total loss. Deductions for amortization must be made to an extent that would fully ensure compen-

Card 1/2

SOV-2-58-8-5/12

A Method of Computing Amortization Deductions in Percentage

sation for wear and tear of the basic funds' initial cost. The other question dealt with in the article is the method of computing the percentage of the yearly assignments to the amortization fund. An example quoted by the author gives a percentage of 7 %. The article contains 2 tables.

Card 2/2

RYBNIKOV, S.A. (Moscow)

Geometrical folding ruler. Mat.v shkole no.6:20-21 N-D '54.
(Geometry) (MLRA 7:11)

36954
S/196/62/000/007/007/007
E194/E435

13.2000

AUTHORS: Kolpakova, N.P., Rybnikov, S.I.

TITLE: A method of selecting the circuit parameters of controllers

PERIODICAL: Referativnyy zhurnal, Elektrotehnika i energetika, no.7, 1962, 15-16, abstract 7L62. (Sb. "Avtomat. regulirovaniye aviadvigatelay". no.3, M., Oborongiz, 1961, 66-72)

TEXT: In designing automatic systems it is often necessary to develop a controller which ensures a given quality of control. A method is proposed to determine the transmission function of the controller $W_p(p)$ from the given transmission function of the object $W_o(p)$ and that of the system as a whole $W_c(p)$. From the structural diagram of the control system (see Fig.1) where $X(p)$, $Y_o(p)$ and $Y(p)$ represent respectively the disturbing and controlling forces and the controlled quantity, the following expression is readily obtained by simple conversions (1)

$$W_p(p) = \frac{1}{W_c(p)} - \frac{1}{W_o(p)}$$

where
Card 2/3

Card 1/3

$$C_{m-n} + \frac{R(p)}{S(p)}$$

per rational fraction. In this case

38735
S/194/62/000/005/016/157
D256/D308

16.8000

AUTHORS: Kolpakova, N.P., and Rybnikov, S.I.

TITLE: A method for choosing the circuit and parameters of regulators

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 5, 1962, abstract 5-2-74 ts (Avtomat. regulirovaniye aviadvigateley, no. 3, M., Oborongiz, 1961, 66-72)

TEXT: A method is presented for deriving the transfer function or the amplitude-phase frequency characteristics of a regulator from the known transfer functions and amplitude-phase characteristics of the object of regulation and the system as a whole. Using an automatic control system as an illustration the procedure of deriving the transfer functions of the regulator is presented for given transfer functions of the object of regulation and a closed system in the regime of stabilization and control. In a number of cases, after the transfer function of the regulator is determined from the required operation conditions of the system for one condition of operation, e.g. stabilization, it is then necessary to check the quality of the Card 1/2

A method for choosing the circuit ...

S/194/62/000/005/016/157
D256/D308

transient process for another condition, e.g. control. For transfer functions determined with a sufficient degree of accuracy it is useful to employ the following coupling equation: $W_r(p) = W_c(p)/W_s(p)$, where $W_r(p)$ is the transfer function of the regulator; $W_c(p)$ and $W_s(p)$ respectively the transfer functions of control and stabilization for a closed system. If one finds that the transfer function for one of the operating conditions does not fulfil the requirements - the calculations leading to the choice of the regulator system have to be repeated in order to obtain a compromise solution. To estimate the requirements and properties of an automatic system, one can use the relation between the transfer functions of the object $W_o(p)$ and the functions of the closed system operating in stabilization and control regimes $W_i(p) = [1 - W_c(p)] \cdot W_s(p)$. A numerical example is included showing the derivation of the transfer function for an automatic pitch control system and a diagram of a possible version of the system is given. [Abstractor's note: Complete translation].

Card 2/2

KOLPAKOVA, N.P.; RYBNIKOV, S.I.

Selecting systems and parameters of regulators. Avtom.reg.aviadvig.
no.3:66-72 '61. (MIRA 14:12)

(Automatic control)
(Automatic pilot(Airplanes))

16.8000 (1031, 1132, 1329)

34390
S/682/61/000/003/004/008
D234/D302

AUTHORS: Kolpakova, N.P. and Rybnikov, S.I.
TITLE: On a method of choosing structural diagrams and parameters of regulators
SOURCE: Avtomaticheskoye regulirovaniye aviadvigateley; sbornik statey. no. 3, Moscow, 1961, 66 - 72

TEXT: The authors offer a method of determining the transfer function or the phase-amplitude frequency characteristic of the regulator (securing a given quality of control) of an automatic system from the transfer function or the characteristic of the whole system, stating that this method is simple and advantageous in some cases. If the transfer function of the controlled object is

$$W_o(p) = \frac{a_0 p^n + a_1 p^{n-1} + \dots + a_n}{b_0 p^m + b_1 p^{m-1} + \dots + b_m}, \quad (6)$$

Card 1/2

On a method of choosing ...

S/682/61/000/003/004/008
D234/D302

and that of the system in a stabilized regime

$$W_c(p) = \frac{K}{(p + \lambda)^{m-n}}, \quad (7)$$

the transfer function of the regulator is found to be

$$W_p(p) = \frac{(p + \lambda)^{m-n}}{K} \cdot \frac{b_0 p^m + b_1 p^{m-1} + \dots + b_m}{a_0 p^n + a_1 p^{n-1} + \dots + a_n}. \quad (8)$$

The structure of the regulator is determined by its transfer function. The same relations can be used in designing the regulators by frequency methods. It is stated that elimination of the object of control from the problem may lead to a false solution. Two numerical examples are given. There are 6 figures and 2 Soviet-bloc references.

Card 2/2

13,2000
10.1240
26.7195

33194

S/535/61/000/139/006/009
E140/E435

AUTHOR: Rybnikov, S.I., Engineer
TITLE: Certain problems of the theory of linear automatic control systems of several quantities
SOURCE: Moscow. Aviatsionnyy institut. Trudy. no.139. 1961. Voprosy avtomaticheskogo regulirovaniya dvizhushchikhsya ob"yektov. 119-128

TEXT: The article considers relationships useful for the analysis and synthesis of multiply-coupled linear automatic control systems with respect to deviations. The equations are established in the absence of regulation for perturbations. The following operations are possible on the basis of the expressions obtained. 1. On the basis of the object and controller equations, to obtain the equations of the closed-loop system. 2. On the basis of prescribed process equations, to obtain the relations among possible transfer functions of the closed-loop system in the control and stabilization regimes. 3. On the basis of given process equations the regulator equations may be obtained for which the equations of the closed-loop system will have a prescribed form, i.e. where a certain

Card 1/2

X

33194

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E140/E435

Certain problems of the theory ...

transfer function of the closed-loop system is required in either stabilization or control regime. The treatment is conducted and all results are given in terms of a general matricial analysis. Several particular cases of the general system are considered briefly: autonomous control in Voznesenskiy's sense; quasi-autonomous control in which the control system can be separated into individual subsystems, each of which has several controlled quantities; the mathematical difference between quasi-autonomy or quasi-invariance and the analogous conditions of autonomy and invariance is that in place of the conditions for vanishing of matrix elements being applied to the operational coefficients of the equations or transfer functions of the system, they apply to submatrices of such coefficients; systems for controlling a single quantity; simplified multiply-coupled systems. There are 4 Soviet-bloc references.

Card 2/2

X

KOLPAKOVA, N.P.; RYBNIKOV, S.I.

Selecting parameters for damping devices for angular motions of
airplanes. *Izv.vys.ucheb.zav.; av.tekh.* 3 no.3:107-109 '60.
(MIRA 13:10)

1. Moskovskiy aviatsionnyy institut. Kafedra AP-2.
(Airplanes--Controls) (Damping (Mechanics))

84056

26.2190

10.3000

S/147/60/000/003/015/018
E022/E420

AUTHORS: Kolpakova, N.P. and Rybnikov, S.I.
TITLE: On a Method of Selecting the Parameters for Damping
the Angular Motion of Aircraft
PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Aviatsionnaya
tekhnika, 1960, No.3, pp.107-109

TEXT: The note considers the means of improving damping properties of high-speed aircraft (which usually are underdamped when flying at high altitudes) by employing some automatic device such as that shown schematically in Fig.1, which represents a manual control based on forward velocity. The system consists of the aircraft (1), an instrument (pitch indicator) (2), pilot (3) and the kinematic loop of the manual control. The pilot receives the signal (ψ) compares it with the desired setting and depending upon the difference ($\psi_0 - \psi$) actuates the elevator (either directly or through a booster). Ref.2 gives various methods of employing closed automatic circuits for the regulation of the control system which take into account various characteristics of the aircraft and the amount of regulation required. But when the transfer functions of the aircraft and of the total system are
Card 1/3

84056

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E022/E420

On a Method of Selecting the Parameters for Damping the Angular Motion of aircraft

known, it may prove useful to employ an arrangement as shown in Fig.2. The transfer function of the system; aircraft - damper - manual control loop for ω_z is given by Eq.(1) in which

- $W_o(p)$ is the transfer function of the controlled member
- $W_d(p)$ is the transfer function of the damping device
- φ_0 is the position of the pilot's control column
- δ_B is the position of the elevator
- ω_z is the angular velocity of pitch
- K is the transfer coefficient (gain factor) of the kinematic loop of the manual control (usually determined when the aircraft is designed).

Eq.(1) is then transformed into Eq.(2) or, in terms of the amplitude phase (frequency) characteristics, by Eq.(3). With the help of these equations it is possible to determine the transfer function (or the frequency characteristic) of the damping device, if the inverse transfer functions of the controlled member and the total system (or their frequency characteristics) are known. This is illustrated by an example. Fig.3 is a schematic diagram of the

Card 2/3



RYBNIKOV, V.A.

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ACC NR: AN6010534

(A,N)

SOURCE CODE: UR/9008/65/000/287/0002/0003

AUTHOR: Rybnikov, V.; Babakov, A. (Colonel)
(Colonel)

25
B

ORG: none

TITLE: Rocket nuclear war and policy

SOURCE: Krasnaya zvezda, 07 Dec 65, p. 2, col. 1-7, p. 3, col. 1-4

TOPIC TAGS: military science, nuclear war, ~~military strategy, military tactics~~
political thought, military policy

ABSTRACT: The authors discuss the Marxist-Leninist idea of war, which is considered to be primarily a continuation of political action on another plane and which does not exclude other means of struggle. It is a manifestation of class conflict, even if it is used as a weapon of national policy such as a national war of liberation. War is therefore not to be identified exclusively with military action, but is an extremely complex phenomenon, especially under nuclear conditions. If a nuclear war is initiated, political activity will not cease nor even decrease. Contradictions between the socialist and imperialist camps are the main cause of the present world political situation and will affect the course of hostilities. General

Card 1/2

RYBNIKOV, V.I.; SMIRNOV, V.I.

Experimental autoclave leaching of oxidized nickel-cobalt ores. Sbor.
nauch. trud. Ural. politekh. inst. no.134:40-45 '63. (MIRA 17:1)

RYBNIKOV, V.I.; SMIRNOV, V.I.

Investigating the process of obtaining a nickel-cobalt sulfide concentrate out of solutions for the leaching of oxidized ores.
Izv. vys. ucheb. zav.; tsvet. met. 5 no.5:79-85 '62. (MIRA 15:10)

1. Ural'skiy politekhnicheskiy institut, kafedra metallurgii tyazhelykh tsvetnykh metallov.

(Nonferrous metals--Metallurgy) (Hydrometallurgy)

KHUDYAKOV, I.F.; TIKHONOV, A.I.; RYBNIKOV, V.I.; Prinimali uchastiye:
POD'YACHEV, Yu. A., inzh.; BAYBULOV, D.Kh., inzh.; OSOKIN, V.V.,
inzh.

Copper balance in the metallurgical production of the Karabash
Mining and Metallurgical Combine. Sbor. nauch. trud. Ural.
politekh. inst. no. 134:14-22 '63. (MIRA 17:1)

RYBNIKOV, V.I.; SMIRNOV, V.I.

Separation of nickel from cobalt in ammonia solutions. Izv. vys.
ucheb. zav.; tsvet. met. 7 no. 4:73-78 '64 (MIRA 19:1)

1. Ural'skiy politekhnicheskiy institut, kafedra metallurgii
tyazhelykh tsvetnykh metallov.

RYBNIKOV, Y.

Produce more precast construction elements for road and bridge
construction. Avt. dor. 20 no.5:14-16 My '57. (MIRA 10:8)
(Precast concrete)

RYBNIKOV, V.

RYBNIKOV, V.

Use of a new organizational structure in road construction.
Avt.transp. 32 no.5:21-23 My '54. (MLRA 7:7)

1. Nachal'nik Upravleniya stroitel'stva No.10.
(Roads)

85-58-7-13/45

AUTHOR: ~~Rybnikov, V.~~ Senior Glider Pilot of the Irkutskiy
aviatsionno-sportivnyy klub (Irkutsk, Aviation-sports Club)
(Irkutsk)

TITLE: Irkutsk Glider Pilots (U planeristov Irkutsk)

PERIODICAL: Kryl'ya rodiny, 1958, Nr 7, p 10 (USSR)

ABSTRACT: The author reports on the intensive training engaged
in at the Irkutsk Aviation Sports Club which has trained more
than 60 public instructors, more than 60 glider pilots and 24
sportsmen 3rd rank. An independent aviation sports club was
opened in Cheremkhovo; glider teams operate in Angarsk, at
Zhil'kino settlement, at the aviation tekhnikum, and at the Plants
imeni Stalin and Kyubyshev, under public instructors G. Zaytsev,
M. Yevteyev, V. Popov, A. Tyul'kov, and sportsmen A. Makiyenko
and A. Khebnev. Irkutsk glider pilots will participate in the
Spartacus Games.

ASSOCIATION: Irkutsk Aviation-sports Club

Card 1/1

1. Gliders--USSR 2. Pilots--Training

RYBNIKOV, V.I.

Reduce the cost of automotive transportation in road construction
as much as possible. Avt. dor. 27 no.8:21 Ag '64.

(MIRA 17:12)

S/137/62/000/004/028/201
A006/A101

AUTHORS: Smirnov, V. I., Rybnikov, V. I.

TITLE: On the problem of the complex processing of oxidized nickel-cobalt ores from Central Kazakhstan

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 4, 1962, 27, abstract 4G166 ("Metallurg. i khim. prom-st' Kazakhstana. Nauchno-tekhn. sb.", 1961, no. 3(13) 28-30)

TEXT: In a 2-liter laboratory autoclave the leaching out with H_2SO_4 of two oxidized Ni-Co-ore samples was investigated. Optimum results were obtained at $240^{\circ}C$; the ratio of H_2SO_4 weight to the ore weight in the pulp was 0.25; Ni was extracted up to 98.5%; that of Co to 95%; H_2SO_4 consumption was 16-21% of the ore weight. The lixivation residue was melted in an electric furnace to Fe-alloy with 85% Fe extraction.

A. Tseydler

[Abstracter's note: Complete translation]

Card 1/1

RYBNIKOV, V.I.

Reducing overhead is one potential for lowering the net cost of construction. Avt. dor. 24 no.10:19-20 0 '61. (MIRA 14:11)

1. Nachal'nik Upravleniya stroitel'stva No. 10.
(Construction industry--Costs)

RYBNIKOV, V.I., inzh.

Analyzing construction costs. Avt. dor. 21 no. 7:7-9 J1 '58.
(MIRA 11:8)
(Roads--Estimates and costs)

RYBNIKOV, V.I., inzh.

A practicable plan of work organization guarantees rhythmic work.
Avt. dor. 21 no.4:2-3 Ap '58. (MIRA 11:4)

1. Nachal'nik Upravleniya stroitel'stva No.10.
(Road construction)

RITOV, Maks Nikolayevich; RYBNIKOV, Venidikt Ivanovich; YAKOVLEVA,
A.I., red.; KOVRIZHNYKH, L.P., red.; DONSKAYA, G.D., tekhn. red.

[Organization of the flow of operations in road construction]
Organizatsiia potoka pri stroitel'stve avtomobil'noi dorogi.
Moskva, Avtotransizdat, 1961. 114 p. (MIRA 15:5)
(Road construction)

RYBNIKOV, V.V.
RYBNIKOV, V.V. (stantsiya Nyandoma, Severnoy dorogi)

A veteran track worker. Put' i put.khoz. no.11:43 H '57. (MIRA 10:11)
(Khobotov, Nikolai Aleksandrovich, 1897-)

S/081/62/000/005/040/112
B151/B101

AUTHORS: Tits-Skvortsova, I. N., Rybnikova, A. A., Kuvshinova, N. N.

TITLE: Transformation of α -decylthiophane in the presence of an aluminosilicate catalyst.

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 5, 1962, 264, abstract 5Zh238 (Sb. "Khimiya seraorgan. soyedineniy, soderzhashchikhsya v neft'yakh i nefteproduktakh. v. 4". M., Gostoptekhizdat, 1961, 136-140)

TEXT: The reaction between furfural and $C_9H_{19}MgBr$ is used to obtain α -nonylfurylcarbinol (I) (here and later the calculated yields in %, b. p. in $^{\circ}C/mm$ Hg, m. p. in $^{\circ}C$, n_D^{20} and d_4^{20}): 76, 144-145/5, 3.9, 1.4665, 0.9326; by the action of HCl and C_2H_5OH I is converted to the ethyl ester of α -keto-tetradecanic acid (II), 35, 142-144/3, 17, 1.4508, 0.9227; by the reduction of II with $LiAlH_4$ tetradecandiol-1,4 (III) is

Card 1/2

DAN. LOVA, T.A.; CHEKRYsheVA, I.A.; RYBUTKOVA, A.A.; PETROV, S.N.;
KOSKININA, N.V.

Transformations of 2-phenylthiophane on aluminosilicate
catalysts. Vest. Mosk. univ. Ser. 2: Khim. 20 no.1:59-64
Jan-F 1965. (KIRA 18:3)

1. Kafedra khimii nefti Moskovskogo universiteta.

RYBNIKOVA, A.A.; TITS-SKVORTSOVA, I.N.; NORDOV, E.

Hydrogenolysis of sulfur-containing organic compounds on an aluminum-cobalt-molybdenum catalyst. Neftekhimiia 1 no.1:100-104 Ja-B '61. (MIRA 15:2)

1. Moskovskiy gosudarstvennyy universitet, kafedra khimii nefti.
(Hydrogenolysis) (Organic compounds) (Catalysts)

СИНТЕЗ, РЕАКЦИИ, МЕХАНИЗМЫ, И Т.Д.

Conversions of some cyclic sulfides or selenosulfide
catalysts. Vest.Mosk.un.Ser.Khimi, 19 no.3 48-53 Apr-Jc. 1961.
(110 14110)

1. Kafedra Khimii Vostochnosibirskogo gosudarstvennogo universiteta.
(Sibirsk)

S/081/61/000/023/016/061
B117/B147

AUTHORS: Rybnikova, A. A., Tits-Skvortsova, I. N., Nordov, E.

TITLE: Hydrogenolysis of sulfurorganic compounds on aluminum-cobalt-molybdenum catalyst

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 23, 1961, 190 - 191, abstract 23Zh128 (Neftekhimiya, v. 1, no. 1, 1961, 100 - 104)

TEXT: For the first time, conversions of thiolene, sulfides, and disulfides of the aliphatic and aromatic series on an aluminum-cobalt-molybdenum catalyst (AMC) were studied systematically in a static system at hydrogen pressure under conditions of partial hydrogenolysis. Decomposition diagrams of: (a) thiolene (n-nonyl mercaptan and thiophenol), and (b) sulfides (di-n-nonyl sulfide and diphenyl sulfide) are suggested. According to diagram (a), the process takes place in two directions:
$$RSH + H_2 \rightarrow H_2S + RH \text{ and } 2RSH \rightarrow H_2S + RSR.$$
 It was found that the hydrogenolysis of sulfur compounds of the aliphatic and aromatic series proceeds according to similar diagrams. It was shown that some sulfur compounds were partly converted into other ones in the desulfurization on AMC and
Card 1/3

Hydrogenolysis of sulfurorganic...

S/051/61/000/023/016/061
B117/B147

that hydrocarbons were the final product; sulfur was precipitated as hydrogen sulfide. The sulfur compounds used in this study were synthesized according to methods described in the literature (Tits-Skvortsova, I. N., et al., Zh. obshch. khimii, 21, 1951, 242; Zh. obshch. khimii, 33, 1955, 503; Sb. statey po obshchey khimii, 1, 1953, 541) and characterized by the main constants. Constants of these compounds are also given on the basis of published data. Approximately 50 g of the substance investigated and 3 g of AMC are heated in the autoclave for 5 hr at 300°C. Initial hydrogen pressure is 40 atm. After cooling, H₂S is absorbed in ammoniacal zinc sulfate solution. Some ether is added to the liquid catalyzate, the catalyst is filtered off, and the catalyzate fractionated. Initial substance, conversion percentage, products obtained, and their yields in moles per 100 moles of converted substance are as follows: n-nonyl mercaptan (I), 65.0, H₂S, n-nonane (II), di-n-nonyl sulfide (III), 58.9, 55.2, 14.3; thiophenol (IV), 72.1, H₂S, C₆H₆, diphenyl sulfide (V), 72.8, 70.8, 8.7; (III), 43.3, H₂S, (II) (I), 32.2, 108.5, 30.2; (V), 62.0, H₂S, C₆H₆, (IV), 73.5, 76.9, 10.1; di-n-nonyl disulfide,

Card 2/3

Hydrogenolysis of sulfurorganic...

S/081/61/000/023/016/061
B117/B147

100, H₂S, (II), (I), (III), 59.2, 33.9, 104.7, 10.0; diphenyl sulfide,
98.7, H₂S, C₆H₆, (IV), (V), 48.2, 13.7, 97.8, 11.5. 7 references.

[Abstracter's note: Complete translation.]

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Card 3/3

84877

53620

S/079/60/030/010/018/030
B001/B066

AUTHORS: Tits-Skvortsova, I. N., Rybnikova, A. A., and
Kuvshinova, N. N.

TITLE: Synthesis and Catalytic Transformations of α -Decyl
Thiophane by Means of an Alumino-silicate Catalyst

PERIODICAL: Zhurnal obshchey khimii, 1960, Vol. 30, No. 10,
pp. 3316 - 3319

TEXT: The authors synthesized the hitherto unknown α -decyl thiophane (V) by applying the general method of synthesizing α -alkyl thiophanes by R. D. Obolentsov and V. G. Bukharov (Ref.1). The present paper describes these data and contact transformations by means of an alumino-silicate catalyst. The following intermediates were obtained: α -nonyl-furyl carbinol (I); ethyl ester of γ -ketotetradecanoic acid (II); 1,4-tetradecanediol (III); 1,4-dibromo-tetradecane (IV) (which have not been described as yet). They were synthesized in the following way: Compound (I) from furfurole according to Grignard, by the general method of synthesizing alkyl-furyl carbinols (Ref.2); compound (II) by boiling

Card 1/3

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Synthesis and Catalytic Transformations of
 α -Decyl Thiophane by Means of an Alumino-
silicate Catalyst

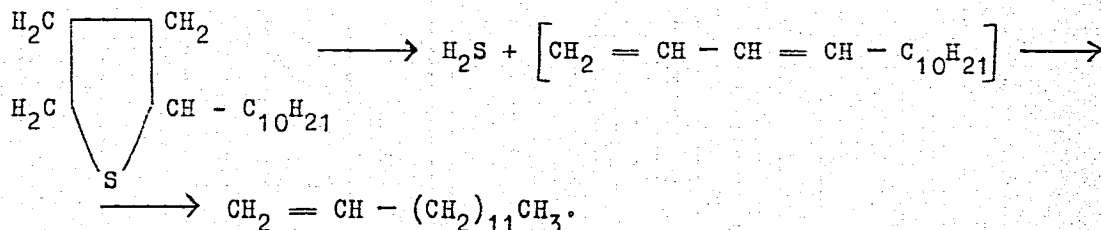
S/079/60/030/010/018/030
B001/B066

α -nonyl-furyl carbinol in anhydrous alcohol to which HCl was added (Refs. 2 and 3); compound (III) by reduction of the ethyl ester of γ -ketotetradecanoic acid with lithium-aluminum hydride; compound (IV) by reaction of 1,4-tetradecanediol with dry HBr. α -decyl thiophane (V) X was obtained by reaction of 1,4-dibromo-tetradecane with Na_2S dissolved in alcohol. This reaction offers a good yield and gives a pure end product. α -decyl thiophane decomposes on an alumino-silicate catalyst at 300°C to give hydrogen sulfide and tetradecene-1. Unchanged α -decyl thiophane was found in the catalyzate. The cleavage of α -decyl thiophane may be illustrated by the following Scheme:

Card 2/3

84877

Synthesis and Catalytic Transformations of α -Decyl Thiophane by Means of an Alumino-silicate Catalyst S/079/60/030/010/018/030 B001/B066



The behavior of cyclic sulfides thus differs from that of aliphatic sulfides, which form mercaptanes and alkenes under the same conditions of catalysis (Ref.4). There are 6 references: 5 Soviet. ✓

ASSOCIATION: Moskovskiy gosudarstvennyy universitet (Moscow State University)

SUBMITTED: October 26, 1959

Card 3/3

Z/011/62/019/001/014/017
E073/E136

AUTHORS: Rybnikova, A.A., and Tits-Skvortsova, I.N.

TITLE: Hydrogenolysis of organic sulphur compounds on
aluminocobaltomolybdenum catalysts

PERIODICAL: *Chemie a chemická technologie. Přehled technické a
hospodářské literatury*, v.19, no.1, 1962, 35,
abstract Ch 62-483. (*Neftekhimiya*, v.1, no.1, 1961,
104).

TEXT: The conversion of mercaptans, sulphides and
disulphides of aliphatic and aromatic compounds under conditions
of partial hydrogenolysis is studied. For the aliphatic and
aromatic series, a similar conversion scheme applies. It is a
complicated process, during which the sulphur compounds become
mutually transformed and the final result is the formation of
hydrocarbons and of hydrogen sulphide.
3 tables, 7 references.

[Abstractor's note: Complete translation.]

Card 1/1

TITS-SKVORTSOVA, I.N.; RYBNIKOVA, A.A.; KUVSHINOVA, N.N.

Synthesis and catalytic conversions of α -decylthiophane over an
aluminosilicate catalyst. Zhur.ob.khim. 30 no.10:3316-3319 0 '61.
(MIRA 14:4)

1. Moskovskiy gosudarstvennyy universitet.
(Thiophene)

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COMMON ELEMENTS
COMMON CATIONIC RADICALS
COMMON ANIONIC RADICALS
METALS
NON-METALS
GASES
LIQUIDS
SOLIDS

PROCESSES AND PROPERTIES INDEX

14

Determination of small quantities of arsenic in water.
V. I. Arlamovich and A. I. Revaikova. *Zashchita Lab*
13, 187-8(1917).-- To 300-500 ml. water contg. various
amts. of As add 10% soln. of ammonium iron alum and
ammonia to smell, shake, heat to boiling, and filter off the
iron hydroxide ppt. contg. the As. Dissolve in hot HCl
(1.10); the vol. should not exceed 5-7 ml. and As content
0.01-0.08 mg. Add 1-2 ml. of 1% CuSO₄ soln. in HCl
(1.10) and 5 ml. HCl soln. of Na hypophosphite. Keep
the soln. and standards on a boiling water bath for 30
min. Then compare the soln. with standards. Stand-
ards are prepd. with 0.01, 0.02, 0.03, 0.04, 0.05, 0.06,
0.07, 0.08% As, 2-3 drops of 10% soln. of iron oxide in HCl,
1-2 drops of 1% CuSO₄ soln. in HCl, 5 ml. Na hypo-
phosphite, and enough HCl (1.10) to give the same vol.
as the test soln. The As can also be removed with MnO₂,
but a single extn. did not remove all the As. The sensi-
tivity of the method is 0.01 mg. in sample. B. Z. K.

ASR-51A METALLURGICAL LITERATURE CLASSIFICATION

1ST GROUP
2ND GROUP
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PROCESSES AND PROPERTIES INDEX

CA 7

A conductometric method for the determination of sulfates in water. A. I. Rybnikova and E. N. Hal'zanova. *Zarodkova Lab.* 11, 160-3 (1915). Pure solns. of sulfates can be titrated conductometrically with Ba(OAc)₂ in alc. soln. at concns. of SO₄²⁻ higher than 16 mg./l. Adm. of BaSO₄ suspension before the titration as proposed by Valushteln produced no favorable results. Sulfates can be detd. in natural waters by the conductometric method if the concn. of chlorides does not exceed 20-5 mg./l. Titrations in the presence of pure alc. were carried out under the following conditions: add an equal vol. of alc. to the soln. (decreasing the soly. of BaSO₄), titrate with Ba(OAc)₂ solns. of various concns. (depending on the concn. of the sulfates), and det. the elec. cond. 2-3 min. after the adm. of standard Ba(OAc)₂ soln. Good results were obtained with solns. contg. 15-400 mg. of SO₄²⁻ per l. At lower concns. the results were unsatisfactory. Expts. with denaturated alc. gave unsatisfactory results. Three references.

W. R. Henn

AS B-SLA METALLURGICAL LITERATURE CLASSIFICATION

MATERIALS INDEX

PROCESSES AND PROPERTIES INDEX

14

CA

Determination of phenols in sewage waters. A. I. Rybnikova, M. R. Kagan, and L. N. Bal'zainova. *Zarodskaya Lab.* 11, No. 1, 38-40(1945).--The methods of Kres (*C.A.* 23, 300), of Bach (*C.A.* 25, 4107), and of Shaw (*C.A.* 23, 4105) can be used for detn. of phenol in concns. higher than 30 mg./l. The errors in detns. of phenol in solns. to which had been added various components that can be present in gas-generating and coke-oven waste waters reached 0.5-5.0%. The deviations of results between parallel detns. were approx. of the same order. The method of Messliger and Vortmann (*Ber.* 23, 275(1880)) and all its proposed modifications cannot be used for the detn. of phenol in waste waters from gas-generating plants. Among the colorimetric methods for the detn. of small quantities of phenol, that of Hinden (*Mill. Lab. Gasworks Stadt, Zurich* 7, 160(1923); cf. Nolte, *C.A.* 27, 5449) is most convenient, owing to its greater sensitivity; it can be used for solns. contg. 0.02 mg./l. of phenol. Concns. as low as 0.005 mg./l. can be detected by this method. The nephelometric method is unsuitable for detn. of phenols because the turbidity formed by the tetrabromophenol ppt. is impermanent. 21 references. W R Henn

A S M - S L A METALLURGICAL LITERATURE CLASSIFICATION

PROCESSES AND PROPERTIES INDEX

21

The oxidation of waste waters from gas generators operating on brown coal. A. I. Rybnikova. *Vodosnabzhenie Sanit. Tekh.* 15, No. 2-3, 92-7(1940); *Chem. Zentr.* 940, II, 943.—The sharp drop in phenol concn. in the erated wastes from brown-coal gas generators is due only to chem. destruction of the phenols or to a polymerization. This view is supported by the fact that there is an enrichment of the wastes in tar-like, acetone-sol. substances.
M. G. Moore

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RYBNIKOVA, A. I. Cand. Chem. Sci.

Dissertation: "Phenolic Waters and Methods for their Analysis." All-Union Sci Res Inst of Water Supply, Sewerage, Hydraulic Engineering Structures and Engineering Hydrogeology "VODEGO", 8 May 47.

SO: Vechernyaya Moskva, May, 1947 (Project #17836)

R. BNIKOV, A. I.

5
1-4E2D

20
Wetting agents for photographic emulsions. O. K. Smirnov, A. I. Rybnikova, S. M. Levi, and S. N. Kochneva. U.S.S.R. 103,337, Apr. 25, 1957. As wetting agents are used glycerides of alkenylsuccinic acid acylated at a temp. above 100° with 2 moles of alkenylsuccinic acid anhydride, and the resulting acid diester is neutralized with KOH.

MT

RYBNIKOVA, A. I.

✓ Polyglycerides of alkenylsuccinic acids. O. K. Smirnov, S. M. Laz, and A. I. Rybnikova. U.S.S.R. 105,345, April 25, 1957. Alkenylsuccinic anhydrides are esterified with glycerol. For the esterification is used a mixt. of polymers of butylene and amylene gases, b.70-220°, obtained in cracking and reforming petroleum. M. Hosh.

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Rybnikova, H

Distr: (E4j) //

/ Surface-active substances. O. K. Smirnov, S. M. Levi, and A. I. Rybnikova, U.S.S.R. 108,134, Oct. 25, 1957. An alkyl phosphinic acid anhydride (I), the alkyl radical of which contains $\geq 10-12$ C atoms, is heated with the calcd. amt. of glycerol at $\geq 200^\circ$ in the presence of catalytic amts. of KOH until the predetd. amt. of H₂O is split off and the resulting acid esters are neutralized. About 30-40 moles of glycerol is used per mole of I. The reaction can be carried out by use of 8 moles of glycerol per mole of I alkyl phosphinic acid anhydride, another mole of I being added to the resulting acid ester, and the whole being heated for 1 hr. at 150-70°, after which the resulting diester is neutralized. M. Hosh //