

KOLOATIN, N. N., Cand Tech Sci -- (diss) "The effect of hydrogen at high temperatures and pressures on the mechanical properties of steel," Leningrad, 1960, 15 pp, (All-Union Sci Res Institute of Petrochemistry-VNII Neftekhim) (KL, 45-60, 125)

18-8200

26051  
S/137/61/000/007/068/072  
A060/A101

AUTHORS: Glikman, L. A.; Teodorovich, V. P.; Kolgatin, N. N.; Deryabina, V. I.

TITLE: Mechanical properties at room temperature of Armo iron and certain steels hydrogenated at high temperatures

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 7, 1961, 6, abstract 7I33  
(In the collection: "Khimiya sera- i azotorgan. soedineniy, soderzhashchysya v neftyakh i nefteproduktakh". v. 3, Ufa, 1960, 431-438)

TEXT: The influence of hydrogen was investigated upon Armo iron with composition (in %): C 0.03, Si 0.19, Mn 0.25; St 20 at 400 and 450°C - C 0.23, Si 0.34, Mn 0.47, Cr 0.15, Ni 0.15 and on alloy steels X12BMΦ (Kh12VMF) - C 0.17, Si 0.22, Mn 0.64, Cr 13.5, V 0.2, W 0.86, Mo 0.46; 1X18H9T (1Kh18N9T) - C 0.12, Si 0.74, Mn 1.15, Cr 17.25, Ni 10.35, Ti 0.45 and 45Π18H03 (45G18Yu2) - C 0.45, Si 0.53, Mn 17.8, Ac 3.17. Besides, 6 pc Cr steel with additional traces of V, W, Mo and Nb (X6BMΦ5 [Kh6VMF5]) was investigated. Almost in all H saturated specimens of Armo iron and St.20 the  $\sigma_s$  (flow surface) is absent at tension.

Card 1/2

GEIERMAN, L.A.; TEODOROVICH, V.P.; KOLGATIN, N.N.; DERYABINA, V.I.

Long-duration strength of some steels in the testing of tubular specimens under internal pressure of hydrogen at high temperatures. Khim.sera-i azotorg.socd.sod.v neft.i neftaprod. 3:439-450 .:60.  
(MIRA 14:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut neftekhimicheskikh protsessov.

(Steel--Testing)

(Hydrogen)

KOLGATIN, N.N.; VANSHENKER, V.R.; TEODOROVICH, V.P.; DERYABINA, V.I.

Device for recording stress-deformation for attachment to the  
P-5 universal machine. Zav.lab. 27 no.5:616-617 '61.

(MIRA 14:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut neftekhimicheskikh  
professov.

(Testing machines)

S/184/62/000/003/001/004  
D040/D113

IP. P300

AUTHORS: Deryabina, V.I., Engineer; Kolgatin, N.N., Candidate of Technical Sciences; and Teodorovich, V.P., Candidate of Chemical Sciences

TITLE: The effect of hydrogen on the long-term strength of steel tubes

PERIODICAL: Khimicheskoye mashinostroyeniye, no.3, 1962, 22-26

TEXT: Heated tubular specimens of iron and 10 steel grades were tested for 1,000 and 10,000 hrs under a 47-780 kgf/cm<sup>2</sup> stress produced by hydrogen pumped into specimens at different pressure. Tests were conducted in view of hydrogen embrittlement of chemical and petroleum-processing equipment and insufficient data on the combined effect of stresses and hydrogen. The test results are illustrated and described. The long-term strength dropped 70-85% in iron and steel 20 at 400 and 450°C, 30-60% at 600°C in 30 XMA(30KhMA), 12 XMF (12KhMF), HM 1 (NML), X 3 BMΦ (Kh3VMF) and X 6 BMΦ (Kh6VMFB) medium-alloy steels, but much less in X 12 BMΦ (Kh12VMF), 1Г 18 X 8 T (1G18Kh8T) and 1 X 18 H 9 T (1Kh18N9T) high-alloy steels. The detrimental effect of hydrogen on all the studied steels

Card 1/2

The effect of hydrogen ...

S/184/62/000/003/001/004  
D040/D113

increased as the test time increased. The fracture was intercrystalline and brittle when the strength was strongly affected by inner hydrogen pressure; gradual "loosening" of the grain boundaries was visible under a microscope. Tests with nitrogen resulted in stretched metal grains and intercrystalline cracks. The Kh12VMF, 1G18Kh8T and 1Kh18N9T steels had intercrystalline and micro- and macroscopic deformation in tests with both hydrogen and nitrogen. It is expected that the effect on these steels will be greater during longer tests. There are 10 figures and 3 tables.

B

Card 2/2

MOROZ, L.S.; KOLGATIN, N.N.; TEODOROVICH, V.P.; DERYABINA, V.I.

Effect of hydrogen on the mechanical properties of nickel and copper. Fiz. met. i metalloved. 16 no.5:737-742 N '63.

1. Vsesoyuznyy nauchno-issledovatel'skiy institut neftkhimicheskikh protsessov. (MIRA 17:2)

GLIKMAN, L.A.; DERYABINA, V.I.; KOLGATEN, N.N.; BYTENSKIY, I.A.; TEODOROVICH,  
V.P.; TEPOV, N.S.

Effect of the gas-saturated layer on the strength and plasticity prop-  
erties of titanium alloys. Titan i ego splavy no.10:116-130 '63.  
(MIRA 17:1)



ACCESSION NR: AT4007033

8/2598/63/000/010/0116/0130

AUTHOR: Glikman, L.A.; Deryabina, V.I.; Kolgatin, N.N.; By\*zenskiy, I.A.;  
Teodorovich, V.P.; Teplov, N.S.

TITLE: Effect of gas-saturated layer on the strength and ductility characteristics of titanium alloys

SOURCE: AN SSSR. Institut metallurgii. Titan i yego splavy\*, no. 10, 1963.  
Issledovaniya titanovy\*kh splavov, 116-130

TOPIC TAGS: titanium alloy strength, titanium alloy ductility, VT-14 titanium alloy, VT-3-1 titanium alloy, VT-8 titanium alloy, gas saturated layer, titanium alloy

ABSTRACT: Contamination of titanium by air and its effect on strength and ductility was investigated following exposure of five alloys: VT-14 (Ti-Al-Mo-V), VT-3-1 (Ti-Al-Mo-Cr), VT-8 (Ti-Al-Mo) and Experimental Alloy No. 1 (4.95 Al, 2.18 V, 3.50 Sn, balance Ti), at 800-1100C for 0.5 to 4 hours. Microscopic examination showed that in air, above an O<sub>2</sub> concentration of 5%, oxygen diffuses into Ti and a superficial alpha-Ti phase forms which is characterized by increased hardness and reduced ductility. The strength of the specimens, however, was

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ACCESSION NR: AT4007033

markedly reduced. Thus, at 1100C, yield point and strength decreased 40-60%, notch toughness decreased 70-80%, and ductility dropped to zero in about 4 hours. At 800C, on the other hand, there was little change. All alloy specimens investigated exhibited high notch sensitivity in both static and dynamic tests, especially those saturated at 800C. The original mechanical properties could be restored by removal of the gas-contaminated surfaces. Orig. art. has: 7 tables and 7 figures.

ASSOCIATION: Institut metallurgii AN SSSR (Metallurgical Institute AN SSSR)

SUBMITTED: 00

DATE ACQ: 27Dec63.

ENCL: 00

SUB CODE: MM

NO REF SOV: 003

OTHER: 001

Card 2/2

TEODOROVICH, V.P.; KOLGATIN, N.N.; DERYABINA, V.I.

Results of an examination of the metal parts of a catalytic  
reforming apparatus. Mash. i nef. obr. no.3:15-20 '64. (MIRA 17:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut  
neftekhimicheskikh protsessov.

AN: AR5019146

UR/01/1061 000 007/1061/1061

zh. Metallurgiya, Abs. 71394

Abina, V. I.; Kolgatin, N. N.; Tezh... V. P.

Investigation of the hydrogen resistance of 12Kh2MF steel

Mashiny neft. oborud. nauchno-issled. zh. 1965, 12-14

hydrogenation, nitrogenation, 12Kh2MF steel, 12Kh2MF steel

samples of 12Kh2MF and 12Kh2MF steel were tested in autoclaves at pressures of 200 and 500 kg/cm<sup>2</sup> at 300, 400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1300, 1400, 1500, 1600, 1700, 1800, 1900, 2000, 2100, 2200, 2300, 2400, 2500, 2600, 2700, 2800, 2900, 3000, 3100, 3200, 3300, 3400, 3500, 3600, 3700, 3800, 3900, 4000, 4100, 4200, 4300, 4400, 4500, 4600, 4700, 4800, 4900, 5000, 5100, 5200, 5300, 5400, 5500, 5600, 5700, 5800, 5900, 6000, 6100, 6200, 6300, 6400, 6500, 6600, 6700, 6800, 6900, 7000, 7100, 7200, 7300, 7400, 7500, 7600, 7700, 7800, 7900, 8000, 8100, 8200, 8300, 8400, 8500, 8600, 8700, 8800, 8900, 9000, 9100, 9200, 9300, 9400, 9500, 9600, 9700, 9800, 9900, 10000

The samples were tested at room temperature after hydro- after preliminary heating at 500C. The yield strength and phi respectively by 5-15 and 15-20% by 5-15%. Sigma length solid and welded samples (automatic welding) was practically iden-



... the specimen (1) in the reactor. The temperature of the specimen  
is measured with thermocouples. Orig. art. has: 1 figure.

[PS]

4 98304-65

AP5012503

Vsesoyuznyy nauchno-issledovatel'skiy Institut neftekhimicheskikh  
All-Union Scientific Research Institute of Petrochemical Processes)

ENCL: 01

SUB CODE: MM

OTHER: 002

ATD PRESS: 3254

TEODOROVICH, V.P., kand. khim. nauk; KOLGATIN, N.N., kand. tekhn. nauk;  
deryabina, V.I., inzh.

Examining catalytic reforming apparatus. Khim. i neft. mashinostr.  
no.8:33-37 Ag '65. (MIRA 18:12)

L 00751-67 EWT(m)/I/EWP(t)/ETI IJP(c) JD

ACC NR: AP6025819 (N)

SOURCE CODE: UR/0314/66/000/005/0012/0014

AUTHOR: Kolgatin, N. N. (Candidate of Technical Sciences); Teodorovich, V. P. (Candidate of Chemical Sciences); Daryabina, V. I. (Engr.)

ORG: none

TITLE: Effect of hydrogen on clad steels, 6

64  
B

SOURCE: Khimicheskoye i neftyanoye mashinostroyeniye, no. 5, 1966, 12-14

INDEX TAGS: hydrogen, metal cladding, stainless steel, corrosion

ABSTRACT: Hydrogen corrosion was studied on tubular specimens of 20 carbon steel clad from within with 1Kh18N9T stainless steel, and on flat specimens of St. 3+OKh13 and 12MKh+OKh13 clad steels. Hydrogen was forced into the tubular specimens up to a pressure of 50 kg/cm<sup>2</sup>, and after being sealed, the specimens were kept for 4500 hr at 530°C. The flat specimens were kept in an autoclave at the same hydrogen pressure for 4000 hr at 450-500°C and for 1000 hr at 530°C. In the tubular specimens, a pressure of 5.6 kg/cm<sup>2</sup> was found to arise between the two layers. Clad 20 steel did not show any corrosion. In the flat specimens, the base layer of St. 3 showed considerable corrosion, but the base layer of 12MKh steel did not. It is concluded that 12MKh+1Kh18N9T clad steel with a proper ratio of the thicknesses of the base and clad layers can be used for building equipment employed in processes of hydrodesulfurization and catalytic re-

Card 1/2

UDC: 621.9-119:620.193.55.001:5



L 00751-57

ACC NR: AP6025819

forming of petroleum products at pressures of hydrogen-containing sulfur up to 50 kg/cm<sup>2</sup> and temperatures up to 530°C. Orig. art. has: 3 figures and 1 table. 0

SUB CODE: 11/ SUBM DATE: none/ ORIG REF: 002/ OTH REF: 002

Card 2/2 LC

ACC NR: AP7001232

(N)

SOURCE CODE: UR/0314/66/000/012/0021/0026

AUTHOR: Teodorovich, V. P. (Candidate of chemical sciences); Kolgatin, N. N.  
(Candidate of technical sciences); Deryabina, V. I. (Engineer)

ORG: none

TITLE: The effect of hydrogen on the mechanical properties of metals at high temperature and pressure

SOURCE: Khimicheskoye i neftyanoye mashinostroyeniye, no. 12, 1966, 21-26

TOPIC TAGS: ~~metal~~ hydrogenation, steel, iron, nickel, copper, aluminum, low alloy steel, ~~chromium~~ stainless steel, chromium ~~nickel~~ stainless steel, chromium manganese stainless steel, hydrogen containing steel, ~~high temperature~~ metal property, high pressure metal property *high temperature effect*

ABSTRACT: Specimens of 20, 12Kh2MFT, 15Kh2MF, Kh3VMF, Kh6VMFB, Kh12VMF, Kh18N9, 1G18Kh8T, 45G18Yu3, 35G12Kh8T, 4Kh12N8GMFB steel, commercial-grade iron, nickel, copper and aluminum have been tested for the effect of hydrogen on their mechanical properties. It was found that at 400-450C, hydrogen decreases the strength and ductility of 20 steel and iron, particularly during the first 60 hr. Annealing partially restores the ductility. Hydrogen at 500C and 50 kg/cm<sup>2</sup> pressure in 1000 hr caused decarburization, loosened grain boundaries and decreased the yield and tensile strengths by 32%, the elongation by 54%, the reduction of area by 72%, and the notch toughness by 92%.

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UDC: 669.1.002.612:546.11

ACC NR: AP7001232

There was no decarburization at 400 or 350C, and subsequently vacuum annealing completely restored the mechanical properties, with the exception of notch toughness. 15Kh2MF and 12Kh2MFT steels tested under 500 kg/cm<sup>2</sup> pressure at 300 and 450C for 1000, 3000 and 10,000 hr did not show any changes in their structure or mechanical properties. The amount of hydrogen absorbed by these steels did not exceed 12 cm<sup>2</sup>/100 g. The other steels, on the basis of results obtained by tests at 600C under 700 kg/cm<sup>2</sup> pressure, can be divided into two groups. The first group includes Kh12VMF, 1G18Kh8T and Kh6VMFB steels in which hydrogen caused a decrease of mechanical properties, particularly of elongation and notch toughness. However, vacuum annealing at 600C completely restored the mechanical properties to the original level. The second group of alloy steels included 35G12Kh8T and 45G18Yu3 austenitic steels, and Kh3VMF perlitic steel, whose mechanical properties are reduced by hydrogen and are not restored by vacuum annealing. It is believed that this is caused by the action of methane formed by the reaction of absorbed hydrogen with carbon. The mechanical properties of nickel and copper, which were exposed to hydrogen at 700 kg/cm<sup>2</sup> pressure and at 600C for 100 and 250 hr, dropped and their structure was effected by loosening of the grain boundaries. Aluminum properties and structure were not affected by exposures up to 250 hr to hydrogen under 700 kg/cm<sup>2</sup> pressure at 300C. Orig. art. has: 8 figures and 4 tables. [TD]

SUB CODE: 11/ SUBM DATE none/ ORIG REF: 001/ ATD PRESS: 5110

Card 2/2

KOL'GAYEV, A.M.

Duration of the incubation period in the development of fall-spawning chum salmon eggs incubated on frames and in the ground.  
Izv. TINRO 48:207-209 '62. (MIRA 16:4)

(Fish culture) (Chum salmon)

KOL'GAYEV, A.M.; IVANOVA, A.P.

Incubation of the fall-spawning eggs of Amur chum salmon in  
the ground. Izv. TINRO 48:209-210 '62. (MIRA 16:4)

(Teploye Lake region—Chum salmon)  
(Fish culture)

KOL'GAYEV, A.M.

Tannin as a means of protecting the membrane of the eggs of  
fall-spawning chum salmon. Izv. TINRO 48:210-212 '62.

(MIRA 16:4)

(Teploye Lake region--Chum salmon)  
(Tannins) (Fish culture)

KOL'GAYEV, A.M.

Survival of eggs of the Amur fall-spawning (*Oncorhynchus keta* (Walbaum) ~~infr.~~ *autumnalis* Berg) depending on the conditions and the way they are washed by water. Vop. ikht. 2 no. 4: 742-745 '62. (MIRA 16:2)

1. Amurskoye otdeleniye Tikhookeanskogo nauchno-issledovatel'skogo instituta rybnogo khozyaystva i okeanografii (TINRO), Khabarovsk.

(Amur River—Salmon)

(Fish culture)

KOL'GAYEV, A.M.

Premature transition to active feeding of the young of fall-spawning chum salmon (*Oncorhynchus keta* infr. *autumnalis* Berg.) and its consequences as studied under hatchery conditions.  
Vop. ikht. 3 no.3:561-562 '63. (MIRA 16:10)

1. Amurskoye otdeleniye Tikhookeanskogo nauchno-issledovatel'skogo instituta rybnogo khozyaystva i okeanografii - TINRO, Khabarovsk.  
(Teplovka River--Chum salmon)  
(Teplovka River--Fish culture)



KOLGINA, A.N.

Certain experiments in seismic modeling of faults and contacts characteristic for the Ukrainian crystalline shield. Trudy Inst. geol. nauk AN URSR. Ser. geofiz. no.2:187-192 '58. (MIRA 11:6)

1. Institut geologicheskikh nauk AN USSR.  
(Ukraine—Geology, Structural)  
(Geological modeling) (Seismic waves)

AUTHOR: Kolgina, A.N.

SOV-21-58-4-17/29

TITLE: Experiments on Applying High-Frequency Seismic Prospecting to the Study of Vertical Contacts between Pegmatite and Granite (Opyty primeneniya vysokochastotnoy seysmorazvedki s tsel'yu izucheniya vertikal'nykh kontaktov mezhdu pegmatitami i granitami)

PERIODICAL: Dopovidi Akademii nauk Ukrain'skoi RSR, 1958, Nr 4, pp 426-429 (USSR)

ABSTRACT: Geophysical prospecting for pegmatite bodies carried out in the Volodarsk-Volynsk region by the gravitational, magnetometric and electrometric methods, so far has yielded no positive results. The reason for this is that considerable similarities exist between many properties of pegmatites and enclosing crystalline rocks. Velocities of propagation of longitudinal waves in pegmatites and enclosing granites are also very close. Therefore, the Institute of Geological Sciences of the AS UkrSSR has developed a new method of high-frequency seismic prospecting based on dynamic peculiarities of seismic recording. The difference in the shape of seismograms obtained in pegmatites and granites is explained by the author as a difference in their granular structure. This method was employed for outlining a pegmatite body and the results were compared

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SOV-21-58-4-17/29  
Experiments on Applying High-Frequency Seismic Prospecting to the Study  
of Vertical Contacts between Pegmatite and Granite

with the data of drilling, which showed a satisfactory agreement. This indicates that the method of high-frequency seismic prospecting may be successfully applied in establishing the contacts between pegmatites and granites, and may be of a particular value in cases of "blind" pegmatite bodies (having no contact with sedimentary deposits but enclosed by granites) in which other methods fail completely. There are 2 seismograms and 1 diagram.

ASSOCIATION:

PRESENTED:

SUBMITTED:

NOTE:

Institut geologicheskikh nauk AN UkrSSR (Institute of Geological Sciences of the AS UkrSSR)

By Member of the AS UkrSSR, V.G. Bondarchuk

July 24, 1957

Russian title and Russian names of individuals and institutions appearing in this article have been used in the transliteration.

1. Geophysical prospecting--USSR
2. Seismic waves--Applications
3. Pegmatite--Availability

Card 2/2

KOLGINA, A.M. [Kolhina, A.M.]

Seismic investigations of the contact zone between acidic and  
basic rocks in the vicinity of Volodarsk-Volynskiy. Geol.zhur.  
18 no.6:17-27 '58. (MIRA 12:1)  
(Volodarsk-Volynskiy region--Prospecting--Geophysical methods)  
(Seismic waves)

KOLGINA, L P

Litologiya soderzhashchikh neft' otlozheniy v nizhnem otdele kamennougol'noy sistemy nizhnego povolzh'ya (Lithology of deposits containing petroleum in the Lower Carboniferous of the lower volga valley) Moskva, Izd-vo Akademii Nauk SSSR, 1952.

84 p. illus., diags., map, tables.

"Literatura": P. 80- (81)

At head of title: akademiya Nauk SSSR. Institut Nefti.

SO: 8N/5

622.52

.K8

KOLJINA, L.P.

Petrographic characteristics of sandstones in the Mesozoic layer of the Ural region of the western Siberian lowland.  
Dokl.AN SSSR 94 no.5:941-944 F '54. (MLRA 7:2)

1. Predstavleno akademikom S.I.Mironovym.  
(Siberia, Western--Sandstone) (Sandstone--Siberia, Western)

KOLGINA, L.P.

Lithology of sandstones of the Korkino series in the central  
part of the Cheliabinsk graben. Dokl. AN SSSR 95 no.2:371-374  
Mr '54. (MLRA 7:3)  
(Cheliabinsk--Petrology) (Petrology--Cheliabinsk)

KOLGINA, L. P.

Granulometric Composition of the Sandy and Siltstone Rocks of the Lower Carboniferous in the Southern Part of the Russian Platform

The author describes the conglomerates, gravelites, sands, sandstones, and siltstones of the lower Carboniferous in the central and lower regions along the Volga, in the zone of the Archedinsk-Donets Upheavals, and in the Donets Basin. The granulometry is given in histograms. Among the sandstones the author distinguishes quartz and quartz-feldspar varieties with calcite cement of poikilite structure. He establishes that in the profile section of the deposits of the Lower Carboniferous the best collectors of petroleum are the sandy rocks of the lower part of the coal-bearing strata in the regions along the Volga, lying on eroded surface of carbonate rocks of the Turney strata. (RZhGeol, No. 5, 1955) Tr. in-ta Nefti AN SSSR, 3, 1954, 149-156

SO: Sum. No. 744, 8 Dec 55 - Supplementary Survey of Soviet Scientific Abstracts (17)



**KOLGINA, L.P.**

Characteristics of the lithological composition and reservoir properties of rocks of Paleozoic and Mesozoic deposits in the Siberian piedmont of the Ural Mountains. Trudy Inst.nefti 7:71-87 '56. (HIRA 10:1)

(Ural Mountain region--Geology, Stratigraphic)


KOLGINA, L.P.; OR'YEV, L.G.; VLADIMIRSKAYA, R.A.

Composition and texture of collectors in the Bereznovo lower  
Cretaceous. Geol. nefti 2 no.4:29-35 Ap '58. (MIRA 11:5)  
(West Siberian Plain—Petroleum geology)  
(West Siberian Plain—Gas, Natural—Geology)

KOLGINA, L.P.

Petrographic composition and reservoir properties of Triassic-  
Jurassic sand rocks and alsurites in the Chelyabinsk graben.  
Trudy Inst.nefti 9:101-132 '58. (MIRA 12:4)  
(Chelyabinsk Province--Rocks, Sedimentary)

KOLGINA, L.P.



Some data on the petrography and structure of Paleozoic sandstones and siltstones on the eastern slope of the Urals and the trans-Ural region. Trudy Inst. geol. i razrab. gor. iskop. 1:260-264 '60. (MIRA 14:1)  
(Ural Mountain region--Rocks, Sedimentary)

KOLGINA, L.P.; OR'YEV, L.G.

Bitumen inclusions in Triassic-Jurassic sediments of the  
Chelyabinsk garben. Trudy Inst. geol. i razrab. gor. iskop.  
1:277-281 '60. (MIRA 14:1)  
(Chelyabinsk Basin--Bitumen--Geology)

KOLGINA, L.P.; OR'YEV, L.G.

Microscopic study of bituminous rocks in the lower Mesozoic section of the Chelyabinsk graben. Dokl.AN SSSR 133 no.3:673-676 J1 '60. (MIRA 13:7)

1. Institut geologii i razrabotki goryuchikh iskopayemykh Akademii nauk SSSR. Predstavleno akademikom A.A.Trofimukom. (Chelyabinsk Province--Bitumen)

KOLGINA, Lyudmila Pavlovna; OR'YEV, Leonid Grigor'yevich; RABIKHANUKAYEVA, Yelizaveta Semenovna; CHERNIKOV, Oleg Anatol'yevich; CHEPIKOV, K.R.,  
otv. red.; PERSHINA, Ye.G., red. izd-va; ROMANOV, G.N., tekhn. red.

[Lithology and distribution characteristics of reservoir rocks of the Jurassic and lower Cretaceous of the West Siberian Plain] Litologiya i zakonomernosti razmeshchenia porod-kollektorov v otlozheniakh iury i nizhnego mela Zapadno-Sibirskoi nizmennosti. Moskva, Izd-vo <sup>A</sup>kad. nauk SSSR, 1961. 123 p. (MIRA 14:7)

1. Chlen-korrespondent AN SSSR (for Chepikov)  
(West Siberian Plain--Petrology)

KOBYZEV, S.S., inzh.; KOLINA, M.G.

Using the "Kraiderman" leader in sinking an inclined shaft. Shakht.  
stroi. 7 no.7:31 J1 '63. (MIRA 16:10)



FEDOROV, V.S.; KOLGINA, N.M.

Synthesis of pyramidon from 4-formylaminoantipyrine. Med. prom. 13  
no.5:39-41 My '59. (MIRA 12:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy  
institut imeni S. Ordshonikidze.  
(AMINOPYRINE) (ANTIPYRALDEHYDE)

KOL'GUBENKO, I.I. (Moskva)

Advice to agricultural workers on skin care. Med.sestra 16 no.8:  
14-17 Ag '57. (MIRA 10:12)  
(SKIN--CARE AND HYGIENE)

ASTAVATSATUROV, K.P., dots., KOL'GURENKO, I. I.

Treatment of acne rosacea. Sov.med. 22 no.4:36-40 Ap '58 (MIRA 11:7)

1. Iz kafedry<sup>o</sup> kzhnykh i venericheskikh zabolevaniy (zav. - prof. A.I. Kartamyshv) Tsentral'nogo instituta usovershenstvovaniya vrachey (dir. V.P. Lebedeva) i vrachebno-kosmeticheskoy lechenitsy Mosgorzdravotdela (dir. M.G. Polikarpova, zav. lechebnoy chast'yu - prof. D.I. Lass).

(ROSACEA, ther.

diathermocoagulation (Rus))

(DIATHERMY,

diathermocoagulation in acne rosacea (Rus))

ASTVATSATUROV, K.R., dotsent; KOL'GUNENKO, I.I.

Therapy of vascular nevi by electrocoagulation and Bucky-ray  
therapy. Sov.med. 24 no.9:74-79 S '60. (MIRA 13:11)

1. Iz kafedry kozhnykh i venericheskikh bolezney (zav. - prof.  
A.I. Kartamyshev) i Sentral'nogo instituta usovershenstvovaniya  
vrachev (dir. M.D. Kovrigina) i Vrashebnno-kosmeticheskoy lecheb-  
nitsy (dir. I.I. Kol'gunenko) Mosgorzdravotdela.  
(SKIN--TUMORS) (SURGERY) (X RAYS--THERAPEUTIC USE)

KOL'GUNENKO, Inna Ivanovna, vrach-kosmetolog; ZAMYSHLYAYEVA, I.M.,  
red.izd-va; NAZAROVA, A.S., tekhn.red.

[Care for the skin of the hands, feet, and for the nails;  
manual for manicurists] Ukhod za kozhei ruk, nog i za nog-  
tiami; posobie dlia manikiurakh. Moskva, Izd-vo M-va kommun.  
khoz. RSFSR, 1961. 85 p. (MIRA 14:6)  
(Foot—Care and hygiene) (Manicuring)

KOL'GUNENKO, I.I., vrach-kosmetolog

"Ideal", a new cream containing vitamin F. Zdorov'e 7 no.1:31 Ja  
'61. (MIRA 13:12)

(COSMETICS)

(VITAMINS—F)

TOMASHKOVA, Yana [Tomaskova, Jana], doktor; PAVLOVA, T. [translator];  
KOL'GUNENKO, I.I., red.; ZAMYSHLYAYEVA, I.M., red. izd-va;  
KHENOKH, F.M., tekhn. red.

[Beauty and health]Krasota i zdorov'e. Moskva, Izd-vo M-va  
kommun. khoz. RSFSR, 1962. 86 p. (MIRA 15:12)  
(BEAUTY, PERSONAL)

ASTVATSATUROV, K.R.; DRANOVSKAYA, L.A.; KOL'GUNENKO, I.I.; MADAYEVA, F.I.;  
RYZHKOVA, Ye.I.; TRIVUS, L.M.

Treatment of an acne-form eruption. Sov.med. 26 no.7:103-109  
Jl '62. (MIRA 15:11)

1. Iz kliniki kozhnykh i venericheskikh bolezney (zav. - prof.  
A.I.Kartamyshv) Tsentral'nogo instituta usovershenstvovaniya  
vrachey i vrachebno-kosmeticheskoy lechebnitsy (glavnyy vrach  
I.I.Kol'gunenko, zav. nauchno-lechebnoy chast'yu - prof. D.I.  
Lass) Moskovskogo gorodskog otdela zdravookhraneniya.  
(ACNE)



ZHDANOV, V.M., prof.; ALEKSANDROV, B.; VARIN, I.Ye., vrach; SHCHERBATYUK,  
S.N., vrach (Kiyev); ARKAD'YEVA, R.I., vrach; KOL'GUNENKO, I.I.,  
vrach-kosmetolog

Health hints. Zdorov'ie 8 no.10:30-31 0 '62.  
(HYGIENE)

(MIRA 15:10)

ASTVATSATUROV, K.R.; KOL'GUNENKO, I.I.

Treatment of seborrhea sicca and oleosa of the face (hygiene-  
of the skin of the face). Sovet. med. 26 no.5:141-146 My'63  
(MIRA 17:1)

1. Iz Moskovskoy vrachebno-kosmeticheskoy lachebnitsy (glav-  
nyy vrach I.I.Kol'gunenko) Moskovskogo gorodskogo otdela  
zdravookhraneniya.

KOLOUSHKIN, A., polkovnik

Trip of unparalleled difficulty. Veens. znan. 41 no.9:3-4 S 165.  
(MIRA 18:10)

KOLODUSHKINA, A.G.

VID No 973-3 28 May

COMPLEXES OF HAFNIUM

V. A. Kozlov, and A. G. Kolodushkina  
Izv. Akad. Nauk SSSR Ser. Khim. No. 4, 1973, p. 2322

The hafnium complexes  $Cs_2[HfO(NCS)_2 \cdot 2H_2O] \cdot 2H_2O$  (I),  $Py_2Hf[HfO(NCS)_2 \cdot 2H_2O]$  (II),  $[HfO(NCS)_2 \cdot 2H_2O]$  (III), and  $(Py)_2Hf_2[HfO(NCS)_2 \cdot 2H_2O]$  where PyN is pyridine, were prepared from  $HfOCl_2 \cdot 8H_2O$ ,  $NaNCS$ , and  $CsCl$  in aqueous solution and  $CsCl$  in pyridine solution at an initial  $[HfCl_2] = 0.01$  and  $0.1$  for II. Complexes I and II were prepared from  $HfOCl_2 \cdot 8H_2O$  at an initial  $[HfCl_2] = 0.01$  and  $0.1$  for III. The complexes were characterized by their IR and UV spectra.

card 2/2

AFANAS'YEVA, L.A., prepodavatel'-biolog (Chelyabinsk); KOLGUSHKINA, T., yunnat  
(Chelyabinsk); VOBSHCHINA, S., yunnat (Chelyabinsk).

Effect of sowing time on the quality of spring wheat seeds. Agrobiologiya  
no.3:143-144 My-Je '56. (MIRA 9:9)  
(Wheat) (Sowing)

PROKOPEC, Jaroslav; KOLHOVA, Eva

Experience with lymphatic system x-ray examination in clinical practice.  
Cesk. rentg. 13 no.1:1-7 Feb 59.

1. Radiologicka klinika KU, prednosta prof. dr. V. Svab. J. P., radiolog.  
klinika KU, Praha 2, Ul. u nemocnice 2.  
(LYMPHATIC SYSTEM, radiography  
technic & clin. value (Cs))

SAGER, O.; CINKA, I.; DIMITRIU, R.; KOLIA, A.

Conditioned salivary reactions in bilaterally decorticated animals.  
Rev. sci. med. 5 no.1/2:95-98 '60.

1. Corresponding member of the R.P.R. (for Sager)

(REFLEX, CONDITIONED exper)  
(CEREBRAL CORTEX physiol)

CZECHOSLOVAKIA

KOLIANDR, P.; SOVA, Z.; FOJTIKOVÁ, A.; Chair of Physiology of Domestic Animals, College of Agriculture (Katedra Fysiologie Hospodarskych Zvirat, VSZ), Prague.

"On the Determination of Oblique Sedimentation of Erythrocytes of Cattle in Test Tubes."

Prague, Ceskoslovenska Fysiologie, Vol 15, No 5, Sep 66, p 380

Abstract: Erythrocyte sedimentation of cattle is very slow; the authors describe their method of oblique sedimentation, which allows reading the sedimentation values after 20 and 60 minutes, and evaluating these by means of a comparative chart. The method was verified on samples taken from 658 head of cattle. The residue in the test tube may be used for the determination of hematocrits. No references. Submitted at 3 Days of Physiology of Domestic Animals at Liblice, 9 Dec 65.

1/1

- 86 -

KOLIBARA, A., sofistichnik  
APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000723820017-1"

In remunerating labor take the butterfat percentage of milk into consideration. *Nauka i pered.op.v sel'khoz.* 7 no.6:57-58  
Je '57. (MIRA 10:7)

1. Kolkhoz imeni Lenina, Ryshkanskiego rayona, Moldavskoy SSR.  
(Dairying) (Wages)



<sup>A</sup>  
KOLIBOVA, A. P.

Throat - Diseases

Combined administration of a sodium salicylate, urotropin, and autochemotherapy in acute angina. Vest. oto-rin. 14 No. 3, 1952.

9. Monthly List of Russian Accessions, Library of Congress, October, 1952 ~~1953~~, Uncl.

KOIBABA, A. P.

Nose-Surgery

Method of alloplasty. Vest. oto-rin. 14, No. 4, 1952.

9. Monthly List of Russian Accessions, Library of Congress, November, 1952 ~~1953~~, Uncl.



BRAYLOVSKIY, Ya.Z. starshiy nauchnyy sotrudnik; LEVINA, E.I., starshiy nauchnyy sotrudnik; KOLIBABA, A.P., kandidat meditsinskikh nauk, direktor.

Changes in the cochleopapillary reflex in animals under differing influences on the central and peripheral nervous system. Vest.oto-rin. 15 no.5:6-12 S-0 '53. (MLRA 6:11)

1. Fiziologicheskaya laboratoriya Ukrainского nauchno-issledovatel'skogo instituta bolezney ukha, gorla i nosa. 2. Surdologicheskoye otdeleniye Ukrainского nauchno-issledovatel'skogo instituta bolezney ukha, gorla i nosa.
3. Ukrainskiy nauchno-issledovatel'skiy institut bolezney ukha, gorla i nosa (for Kolibaba). (Reflexes) (Nervous system)

TRUTNEVA, T.I. ; KOLIBABA, A.P., starchy nauchnyy sotrudnik, direktor.

Cases of foreign bodies in the larynx. Vest.oto-rin. 15 no.5:76-77 S-0 '53.  
(MLRA 6:11)

1. Ukrainskiy nauchno-issledovatel'skiy inatitut bolezney ukha, gorla i nosa.  
(Larynx--Foreign bodies)

KOLIBABA, A.P.

Scientific session of the Ukrainian Scientific Research Institute  
of Ear, Nose and Throat Diseases (Kharkov). Vest. oto-rin. 16 no.4:  
93 J1-Ag '54. (MLRA 7:8)  
(UKRAINE--OTORHINOLARYNGOLOGY)  
(OTORHINOLARYNGOLOGY--UKRAINE)

KOLIBABA, A.P., dotsent.

Intramural novocaine block of the larynx in the treatment of phonasthenia. Vest.oto-rin 17 no.4:27-29 J1-Ag '55.(MLRA 8:10)

1. Iz Ukrainського naučno-issledovatel'skogo instituta bolezney ukha, gorla i nosa (Khar'kov)

(SPEECH DISORDERS,

phonasthenia, ther. laryngeal procaine block)

(PROCAINE, therapeutic use,

phonasthenia, laryngeal block)

(ANESTHESIA, REGIONAL, in various diseases

procaine laryngeal block in phonasthenia)

EXCERPTA MEDICA Sec.11 Vol.10/9 Oto-Rhino-Laryngo Sept57

KOLIBABA A. P.

1742. KOLIBABA A. P. and ARDELYAN E. L. Kharkov. \*Diagnosis of acute  
otitis media in prematurely born children (Russian text)  
VESTN. OTO-RINO-LARING. 1957, 3 (19-24)

The diagnosis of acute middle otitis in prematurely born children is difficult, as even when all the symptoms of the disease are taken into account it is faulty in 50% of cases. The most reliable method of diagnosis is a bilateral antropuncture which may be used at the same time for introducing antibiotics in the antrum. If a shortened needle is used antropuncture is a safe procedure presenting no difficulties under any conditions.



KOLIBABA, A.P., dots.; GERASHCHENKO, I.F.

Osteomas of the paranasal sinuses, Vrach.delo no.10:1029-1031 O '57.  
(MIRA 10:12)

1. Klinika bolezney ukha, gorla i nosa (zav. - dots. A.P.Kolibaba)  
Khar'kovskogo meditsinskogo stomatologicheskogo instituta i Khar'-  
kovskaya gorodskaya klinicheskaya bol'nitsa ukha, gorla i nosa No.30.  
(NOSE, ACCESSORY SINUSES OF--TUMORS)

KOLIBABA, A.P.

KOLIBABA, A.P., dotsent; ARDELYAN, Ye.L., kand.med.nauk

Diagnosis of acute otitis media in premature infants [with summary in English]. Vest.oto-rin. 19 no.3:19-24 Ky-Je '57. (MIRA 10:10)

1. Iz Ukrainского nauchno-issledovatel'skogo instituta bolezney ucha gorla i nosa i kursa IORbolezney [oto-laringologicheskikh bolezney] Khar'kovskogo meditsinskogo stomatologicheskogo instituta.

(OTITIS MEDIA, in inf. and child  
diag. in premature inf.)

(INFANT, PREMATURE, dis.

otitis media in premature inf., diag.)

KOLIBABA, A.P.

In memory of professor Abram Mikhailovich Natanzon. Vest.oto.-rin.  
20 no.4:123-124 JI-Ag '58 (MIRA 11:7)

1. Predsedatel' pravleniya Khar'kovskogo nauchno meditsinskogo  
obshchestva otorinolaringologov.  
(NATANZON, ABRAM MIKHAILOVICH, 1894-1958)

KOLIBABA, A.P.

In memory of professor Lev Lazarevich Frumin. Vest.oto.-rin. 20  
no.4:124-125 J1-Ag '58 (MIRA 11:7)

1. Predsedatel' pravleniya Khar'kovskogo meditsinskogo obshchestva  
otorinolaringologov.  
(FRUMIN, LEV LAZAREVICH, 1901-1958)

KOLIBABA, A.P., dotsent

Centennial of the Khar'kov Scientific Medical Society. Zhur.  
ush., nos.1 gor.bol.22 no.6875-76 N.D<sup>o</sup>62. (MIRA 1687)  
(KHARKOV-MEDICAL SOCIETIES)

KOLIBABA, V.L.

New development in mine planning. Gor. zhur. no.1:20-23 Ja '64.  
(MIRA 17:3)

1. Direktor Ural'skogo gosudarstvennogo instituta po proyektirovaniyu razrabotki rudnykh mestorozhdeniy.

GORNOVOY, B.A., gornyy inzh.; BORISOV, S.S., gornyy inzh.; KOLIBABA, V.L.;  
ORLOV, V.S.

Improving the breaking method in the Gora Blagodat' Mine. Gor.  
zhur. no.11:73-74 N '61. (MIRA 15:2)

1. Nizhne-Tagil'skiy gorno-metallurgicheskiy tekhnikum (for Gornovoy,  
Borisov). 2. Nizhne-Tagil'skiy metallurgicheskiy kombinat (for  
Kolibaba, Orlov).

(Sverdlovsk Province--Boring) (Blasting)

DANCHEV, P.S., kard.tekhn.nauk; KOLIBABA, V.L., gornyy inzh.; BREZGIN, A.S.,  
gornyy inzh.

Boring and blasting operations in the Yestyuninskoye Mine. Vzryv.  
delo no.48/4:38-44 '61. (MIRA 15:2)

1. Vysokogorskoye rudoupravleniye. 2. Ural'skiy filial AN SSSR (for  
Danchev).  
(Yestyuninskoye region--Blasting) (Boring)



VERIGIN, P.; KOLIBABCHUK, A., nauchnyy sotrudnik,; MICHKOVSKIY, L.

Experience of combined units in transporting sugar beets. Avt.  
transp. 36 no. 7:10-11 JI '58. (MIRA 11:8)

1. Upravlyayushchiy Vinnitskim oblastotrestom (for Verigin).
2. Nauchno-issledovatel'skiy institut, Ukrdortrans (for Kolibabchuk).
3. Komandir Kalinovskoy avtoroty (for Michkovskiy).  
(Sugar beets--Harvesting)  
(Transportation, Automotive)

LUTSKER, G.: ~~KOLIBARCHUK, A. P.~~

Centralized freight haulage in district areas. Avt. transp. 36 no.11:  
8-10 N '58. (MIRA 11:11)

1. Ukrainskiy dorozhno-transportnyy nauchno-issledovatel'skiy institut.  
(Transportation, Automotive)

MONASTYRSKIY, F.I.; KOLIBABCHUK, A.P., starshiy nauchnyy sotrudnik

Centralized dispatching service for railroad users. Zhel. dor.  
transp. 40 no.9:70 S '58. (MIRA 11:10)

1. Nachal'nik stantsii Belaya Tserkov' Yugo-Zapadnoy dorogi (for Monastyrskiy).
2. Ukrdortransnii (for Kolibabchuk).  
(Railroads--Train dispatching)

KOLIBABCHUK, A.P., inzh.

Territorial organization of automotive transportation in an area.  
Trudy MIEI no.16:123-132 '61. (MIRA 14:12)  
(Transportation, Automotive)

KOLIBABCHUK, M.P.

Rare case of strangulating intestinal obstruction. Khirurgiia,  
no.4:81-82 Ap '55. (MLBA 8:9)  
(INTESTINES--OBSTRUCTION)

KOLIBABCHUK, M. P.

"A Sliding Support For Treatment of Broken Spine by Stretching," *Voyenno-Med. Zhur.*, No. 11, p. 91, 1955.

KOLIBABCHUK, M.P., kapitan meditsinskoy sluzhby

Using elastic clamps in plastic surgery of skull defects. Voen.-  
med.shur. no.10:76 0 '56. (MLRA 10:3)

(SURGICAL INSTRUMENTS AND APPARATUS)  
(SKULL—SURGERY)

KOLIBABCHUK, M.P.

Protective cup for the teeth during the introduction of the  
tracheal anesthesia tube. Khirurgia 35 no.6:131 Je '59.

(MIRA 12:8)

(ANESTHESIA, ENDOTRACHEAL, appar. & instruments  
protective cup for teeth (Rus))



KOLIBABSKI, S.

"Results of Measurements of the Leaning of Chimney Shafts." P. 154,  
(PRZEGLAD GEODEZYJNY, Vol.10; No. 5, May 1954. Warszawa, Poland.)

SO: Monthly List of East European Acquisitions, (EEAL), LC, Vol. 3,  
No. 12, Dec. 1954, Uncl.

KOLIBABSKI, S.

Less office work more field work.

P. 49 (PRZEGLAD GEOEZYJNY) Poland, Vol. 13, No. 2, Feb. 1957

SO: Monthly Index of European Accessions (AEEI) Vol. 6, No. 11, November 1957

RADZIYEVSKAYA, L. [Radziisva'ka, L.]; MOKIYENKO, B. [Mokiienko, B.];  
KOLIBANOV, L. [Kolybanov, L.]

This is what Lenin dreamed about. Znan. ta pratsia no.4:7  
Ap '60. (MIRA 14:12)

(Ukraine--Economic conditions)

MAJOR, I.; MEDVECKY, J.; KOLIEAS, E.

Relation of the laterality of alpha-rhythm to hemispheric dominance. Cesk. psychiat. no.61 no.6:378-383 D ' 65.

1. Psychiatricka klinika Lekarskej fakulty University P.J. Safarika, Kosice.

L 44739-66

ACC NR: AP6032878

SOURCE CODE: CZ/0083/65/000/006/0378/0383

AUTHOR: Major, I.--Mayor, I.; Medvecký, J.--Medvet'skiy, I.; Kolibas, E.--Kolibash, E.

ORG: Psychiatric Clinic, Medical Faculty, UPJS, Kosice (Psychiatricka klinika lekarskej fakulty UPJS)

TITLE: Relation between the laterality of the alpha-rhythm and hemisphere dominance

SOURCE: Ceskoslovenska psychiatrie, no. 6, 1965, 378-383

TOPIC TAGS: EEG, brain, injury

ABSTRACT: 955 routine recordings of EEG in patients without an organic lesion showed 40 cases of outspoken assymetry of the alpha-rhythm. In these patients the ectoderm-mesenchym relation on the ocular fundus was examined to determine the genotypically dominant hemisphere. There is a significant relation between the amplitude of the imposed rhythms and the dominant hemisphere. On the dominant side the amplitude of the imposed rhythms is lower. Orig. art. has: 3 figures. [Based on authors' Eng. abst.] [JPRS: 34,161]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 003 / OTH REF: 009

Card 1/1 mjs

0920 0395

KOLIBAYEV, V.A.

Triangulation work in high altitude regions. Geod. i kart.  
no. 10:50-54 D '56. (MLRA 10:2)

(Triangulation)

3(4)

AUTHOR:

~~Kolibayev, V. A.~~

SOV/6-59-9-2/19

TITLE:

On the Measurement of the Lines of Departure by Means of Bergstrand's Geodimeter

PERIODICAL:

Geodeziya i kartografiya, 1959, Nr. 9, pp 16-19 (USSR)

ABSTRACT:

In the current year, the Sredneaziatskoye AGP (Soviet Central Asia Aerogeodetic Service) uses Bergstrand's geodimeter of the NASM-2A-type Nr 121 for measuring the triangulation lines of departure. The brigade of Engineer F. P. Guseva was entrusted with this work. She took part in the measurements carried out in 1958 at the TsNIIGAIK under the direction of P. Ye. Lazanov, Scientific Collaborator of the TsNIIGAIK (Ref 1 on p 16, footnote). This Brigade will measure 18 triangulation lines in Soviet Central Asia in 1959. In order to judge the work of the geodimeter, it is planned to carry out 7 control measurements on bases which were previously surveyed by means of invar wire. From May 8 to July 3, 1959, 4 lines of departure were surveyed and 2 control measurements were carried out on the Dushak basis of 1st order (in the Turkmenakaya SSR). The distribution of the tasks among the 10 members of the Brigade, and the physico-geographical conditions of the region, are

Card 1/2

On the Measurement of the Lines of Departure by Means of Bergstrand's Geodimeter SOV/6-59-9-2,19

pointed out. The performance of the surveys is described in brief, and the results are listed in three tables. The latter show a high accuracy in the work with the geodimeter. There are 1 figure, 3 tables, and 1 Soviet reference.

Card 2/2



KOLIBAYEV, V.A.

Use of Bergstrand's geodimeter in 1960. Geod. i kart. no.7:  
15-17 J1 '61. (MIRA 14:7)  
(Geodimeter)

KOLIBAYEV, V.A.

Displacement of geodetic points in the region of the Ashkhabad  
earthquake of 1948. Geod. i kart. no.5:8-10 My '62. (MIRA 15:7)  
(Ashkhabad--Earthquake, 1948)(Turkmenistan--Surveying)

KOZHEVNIKOV, N.P.; D'YAKOV, G.S.; KOSAREV, A.P.; KOLIBAYEV, V.A.

Methodology of performing a stereotopographic survey at a  
1:25,000 scale in desert and sandy regions. Geod. i kart. no. 4:  
36-40 Ap '62. (MIRA 15:12)

(Aerial photogrammetry)

KOLIBAYEVA, R.S., inzh.

Balloon braking on doubling winders. Tekst.prom. 22 no.6:49  
Je '62. (MIRA 16:5)

1. Byuro tekhnicheskoy informatsii Kirovskogo tekstil'nogo kombinata.  
(Winding machines)

LIBRARY

3

CZECH

Jakubek, J. and Kolibiar, M. On some properties of lattices. *Czechoslovak. Mat. Z.* 37, 1961, 1-11. I - E/W  
(Russian, English summary)

Given a lattice  $S$ , a partition of the elements of  $S$  is called determining if it is a congruence relation on the lattice. Define

$$(a, b, c) = (a \cup b) \cap (b \cup c) \cap (c \cup a)$$

Then  $(a, b, x) = (a, b, y)$  defines a congruence relation on  $S$ .

*Gakubik, J.*

KALIBAR, M.

"Note on the Presentation of Structure by Means of Subsets." p. 79,  
(MATEMATICKO-FYZIKALNY CASOPIS, Vol. 4, No. 2, 1954, Bratislava, Czechoslovakia)

SO: Monthly List of East European Accessions, (SEAL), LC, Vol. 4  
No. 5, May 1955, Uncl.

(R)

Kolibiar, Milan

✓ Kolibiar, Milan. On the relation "between" in lattices. L  
Slovensk Akad. Vied 5:1955, 162-16

10/20/55



*K. ...*  
exist two lattices  $A, B$  defined on groups  $M_1, M_2$  res-  
pectively, and a one-to-one correspondence between  $M_1$

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KOLIBIAR, M.

Characterization of lattices by means of ternary operation. p.10.  
MATEMATICKO-FYZIKALNY CASOPIS. (Sovenska akademis vied) Bratislava.  
Vol. 6, 1, 1956

SOURCE: East European Accessions List, (EEAL) Library of Congress  
Vol. 5, no. 8, August 1956

KOLIBIAR, M.

On metric multiple lattices. Pt. 2. Acta r nat Univ Com 7  
no.12:629-637 '63.

1. Katedra matematiky, Univerzita Komenskeho, Bratislava,  
Smeralova 2.