s/123/59/000/010/013/7r-A004/A001 Translation from: Referativnyy zhurnal, Mashinostroyeriye, 1959, No. 10.; 79, # 37791 The Effects of Lubrication on the Steel Cutting Process at Mairo. AUTHOR : TITLE. V sb.: Issled, po fiz, tverdogo tela, Moscow, AN SSSR, 1957, PERIODICAL The author investigated the factors facilitating the cutting present if lubricants of various kinds are used (distilled water, benzene, metnyl alcohol, pleic acid, carbon tetrachloride CCl_4). The 20X (20Kh) grade steel was machined by the free plenter rethed with a 210 (20Kh) grade steel was machined by the free planing method with a P18 (R18) cutting tool at a low cut-TEXT · ting speed (25 mm/min) in order to keep the temperature constant The cutting forces acting on the tool during free cutting are investigated. An analysis of the factors which affect the change of the resultant force R and its components showed that a decrease in these forces is taking place on account of a reduction Card 1/3

S/123/59/000/010/013/068 A004/A001

The Effects of Lubrication on the Steel Cutting Process at Microspeeds

of the friction factor H between the chip and the front edge of the tocl. It is pointed out that the decrease in R can take place owing to a decrease in the tangential stress T in the shear plane, which is determined by the degree of deformation ℓ of the chip. The author presents a graph of ℓ versus \hat{l} , obtained as a result of calculating 7 and 6 during the cutting without and with all lubricants under investigation. It follows from the graph that a definite τ corresponds to every ℓ , regardless of the property of the lubricant. Proceeding from these data, the author does not confirm the theory of P.A. Rebinder. A graph is given of the dependence of μ on the thickness of the cut and on the application of the lubricants under investigation. Another graph shows the dependence of the cutting force on the same factors. The use of the liquid (CCl₄) lowering μ , results in a decrease of cutting forces, while an increase in μ corresponds to an increase of cutting forces (benzene). The author points out that the test results did not substantiate the assumption of the researchers that, during the cutting process, surface-active liquids are most suitable to reduce μ . CCl₄ which does not possess surface-active properties, reduces μ to

Card 2/3

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	137-58-1-1391
Translation	from Referationary zharral Metalorg van U458 Meiling Des USSR
AUTHORS	Ivanova A Orgov, B M.
TITLE:	High-speed Nickel Plating (Bystrove nikebrovanive)
PERIODICA	L: Materialy polobnienu opytom i nauchni dostizh iv nied prom- sti, 1957, Nr 3 (??) pp 87 %
ABSTRACT	A well-defined technology for a nickel-plating procedure per- mitting deposition of 0.5-1.0 in cron of bright Ni ceating per minute without defects of any kind has been developed at the Mozhaysk Medical Instruments Plant. The composition of the electrolyte and a detailed description of the high-speed tackel- plating technology is presented. Faultless performance of the procedure is dependent primarily upon the choice of appropriate combination of equipment. A description of the equipment is provided (baths, steam heating devices air biowers, a 2- chamber diaphragm pump for continuous filtration during the operation, a filter press. and a rectifier is
Card 1/1	D. G. D. Stong & Frank torre



1 A A

AUTHOR: Orlov, B.M., Engineer 307/122-32-1-21/31 Influence of Lubricating and Cooling Fluids on Force and Temperature of Cutting (Vliyaniye smazochno-okhlazhdayush-TITLE: chikh zhidkostey na temperaturu i silu rezaniya) Vestnik Mashinostroyeniya, 1958, Nr 7, pp 54-66 (USSR) PERIODICAL: ABSTRACT: Investigations show that the life of tools can be 3 to 4 times greater when coolants are pressure fed to the top and the flank of the tool in the form of a fine jet under 25 to 30 atm. pressure, from a nozzle 0.3 mm dia. Tests were made cutting 0.3 carbor steel with various coolants including carbon tetrachloride. The actual tool temperature was measured by using the hord alic, 'up and the steel as a natural thermocouple pair - a connection made of the same hard alloy being joined to the tool tip. Cutting force was measured by a three-component hydraulic dynamometer. Figure 1 shows a "swarf contraction" coefficient versus cutting speed for various coolants (Curve 1 being for a dry condition) and Figure 2 shows cutting force in Kg, versus jutting speed for the same contants. Beyond a certain speed the outting fluids become less and less effective and the force and contraction curves coincide Card1/2 with the dry surve. Figure 3 shows tool-tim temperature

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367/122-55-1-21/31 Influence of Lubricating and Scoling Fluxus on Force and Temperature of Cutting

> versus speed for the same collants (for curves in all figures are for normal coolant supply under low pressure and lower curves are for force fed fine jet supply). The reason for unequal increase in temperature with cutting speed is attributed to build-up on the tool. This also trings about lower cutting force and 'swari contraction' in a certain speed range, particularly in the presence of aqueous cutting fluids.

While sime workers claim that build-up does not occur with force fellociant, a test made with instantaneous cessation of outling by dropping the tool showed that build-up is evident with all conditions of coolant supply, he shown in Figures 4 and 5, which are for normal and for pumped coolant supply, respectively. There are 5 figures and 4 references. 3 of which are Soviet and 1 English.

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Card 2/2

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ANDREYEV, G.S., kand. tekhn. nauk; BOKUCHAVA, G.V., kand. tekhn. nauk, dots.; BRAKHMAN, L.A., insh.; BUDNIKOVA, A.V., inzh.; GORDON, M.B., kand. tekhn. nauk, dots.; ZHAVORONKOV, V.N., inzh.; KARZHAVINA, T.V., kand. tekhn. nauk; KOROTKOVA, V.G., insh.; KORCHAK, S.N., insh.; KLUSHIN, M.I., kand. tekhn. nauk, dots.; KUZMETSOV, A.P., kand. tekhn. nauk, dots.; KURAKIN, A.V., insh.; LATYSHEV, V.N., insh.; OL'KHOVSKIY, V.N., insh.; <u>ORLOV, E.M., kand. tekhn. nauk, dots.; SIL'VESTROV, V.D., kand. tekhn. nauk [deceased];</u> TIKHONOV, V.M., insh.; TROITSKAYA, D.N., insh.; KHRUL'KOV, V.A., insh.; LESNICHENKO, I.I., red. isd-va; BOKOLOVA, T.F., tekhn. red.; GORDEYEVA, L.P., tekhn. red.

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[Lubricating and cooling fluids and their use in cutting metals] Smazochno-okhlashdaiushchie zhidkosti pri resanii metallov i tekhnika ikh primeneniia. Moskva, Gos. nauchno-tekhn. isd-vo mashinostroit. lit-ry, 1961. 291 p. (MIRA 15:1) (Metalworking lubricants)

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22151

S/048/61/025/004/010/048 B104/B20'

24,3500 Levenin, V. L. and Orlov, B. M AUTHORS :

Study of the thermal activation energy of the optical TITLE: extinction of some crystal phosphors

Izvestiya Akademii nauk. SSSR – Seriya fizicheskaya v. 25. PERIODICAL: no. 4, 1961, 466-469

TEXT: The present paper has been read at the 9th Conference on Luminescence (Crystal Phosphors), Kiyev. June 20-25, '960. The authors studied on three different phosphors the dependence of the thermal activation energy E of extinction on temperature: ZnS, ZnS-Co, and CaS-B1 E was determined by the relation 2.3 log ΔS_T + B = E/kT, where $\Delta S_T = S_C - S_T = Ae^{-E/kT}$ S_c :s the area bounded by the curve of thermal de-excitation, that has been drawn without prior extinction of the phosphor by means of infrared light, $S_{\rm T}$ is the area bounded by this curve. if drawn after extinction - For ZnS it was not possible to determine E, because of the slow change of $S_{\rm T}$ with temperature. The results for different wavelengths of the infrared light

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Study of the thermal. .

are collected in Table 1. They show that for a given level E does not depend on λ_{ir} . E is the larger, the deeper the level This also explains The infrared light causes the increase of E with an enlargement of $\Delta S \phi$ the maximum of thermal de-excitation to shift toward higher temperatures Similar results had been obtained by the auth rs in a previous study (Ref. 3: Levshin et al., Optika i spektroskopiya 7, vyp. 4, 530 (1953)), when they determined the thermal activation energy of the scintillation of ZnS-Cu,Pp phosphers. In the ensuing discussion, Ch. B. Lushchik queted well-known papers by V V. Antonov-Romanovskiy and N. A. Tolstoi, where similar effects had been considered, and stated that the physical processes giving rise to the de-exciting effect of the exciting light are not clarified as yet. He mentioned several results yielded by similar studies conducted at Tartu. Thus, e.g., it has been found there that the diminition of F centers is caused not only by photothermal ionization, but also by a photothermal liberation of holes from the trapping levels, th ionization There are 2 figures, ' tatle. of the F centers by exciton collisions, etc. and 3 references: 2 Soviet-bloc and 1 non-Soviet-bloc

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i el societa processi de la construcción de la construcción de la construcción de la construcción de la constru 2 161 s/048/61/025/004/010/048 B104/B201 Study of the thermal... ASSOCIATION: Kafedra optiki fizicheskogo fakul'teta Moskovskogo gos. universiteta im. M. V. Lomonosova (Department of Optics of the Division of Physics, Moscow State University imeni M. V. Lomonosov) Ecp 1,2 µ 1.8 p 4 0.0 1.0 µ 1,1 µ λ=0,7μ 48.0 Φοςφορ <0,02 <0,02 <0,02 <0,02 <0,02 <0,02 <0,02 <0,02 <0,02 <0,02 ZnS ZnS — Co 0,096 0,101 0,098 0,092 0,105 0,096 $(\Delta S_T = 15\%)$ ZnS — Co 0,105 0,110 0,108 0,104 0,106 0,107 $(\Delta S_T = 50\%)$ ____ ____ 0,30 0,27 0,33 0,29 0,30 ----_ t CaS — Bi -Card 3/3

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AP3001772

\$/0186/63/000/003/0048/0054

"UTHCR: Levshin, V. L.; Orlov, B. M.

TITLE: Study of optical flashes and optical quenching in crystalline phosphores

SOURCE: Moscow. Universitet. Vestnik. Seriya 3. Fizika, astronomiya, no. 3, 1963, 48-54

TCPIC TAGS: optical flash, optical quenching, crystalline phosphore, phosphorescence, secondary phosphorescence, thermal activation energy, zinc sulfide phosphore, stimulated emission, induced emission

ABSTRACT: A theoretical and experimental study of the development and decay of optical flashes in phosphorescent crystals has been conducted. A previously excited (by the 365-mu mercury line) and quenched ZnS·Cu·Pb phosphore was irradiated by short pulses of infrared, and the resulting emission was detected by a photomultiplier and registered by an oscillograph. The brightness of the resulting flash increased rapidly to a maximum and then underwent a slow quenching process induced by secondary phosphorescence. ZnS, ZnS·Cu, ZnS·Cu·Ni, and ZnS·Cu·Co phosphores yielded analogous results. The thermal activation energies of the flash and the quenching were studied with the samples excited by the 365-muline and heated at a

Card 1/2

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determined almost fully by s the CaS'Bi phosphore are int secondary phosphorescence af ment times of the flashed we the experiment. Thermal act	ow that stimulated emission in econdary phosphorescence. Pre- erpreted as showing the phenom ter cegsation of the infrared re 10 ⁻⁵ 10 ⁻³ sec., depending ivation energy of the optical e optical quenching energy. O	vious data concerning menon of development of stimulus. The develop- c on the temperature of flash was shown to be
SUBMITTED: 15Sep62	DATE ACQ: 09Jul63	ENCL: OO
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 ADDIT TAGS: luminescence, mine compound, sulfide, cobalt, luminescence quenching, thermal ionization, photolonization
 1

 ADSTRACT: The author and V.I.Levenin have shown that optical stimulation and quenching of the stored light sum in ZM phosphore requires thermal activation
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 ADDIT MGL, 3, 48 (1963)). In the present paper the question of the mechanism of this process is thermal whether it is that of "photobermal ionization" (the mapped electron is raised to a higher energy secondary trap by photom absorption.

 ADDIT MECHANISTICS.

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QRLOV, B.N.; SHADSKIY, P.I.; GORDEYEV, N.P., red.; PETRIKOVA, L.I., tekin. red. ["Earth", "Sirius" is speaking] "Zomlia," govorit "Sirius"; Moskve, 'oenizdat, 1962. 98 p. (MIRA 15:8) (Atmosphere, Upper) (Balloon ascensions)



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12(2)	SOV/113-59-7-7/19
AUTHOR:	Orlov, B. N.
TITLE:	Body Styling of Automobiles
FERIODICAL:	Avtomobil'naya promyshlennost', 1959, Nr 7, pp 19-21 (USSR)
ABSTRACT:	This article is published as a subject of discussion. After reviewing international trends in auto body styling, the author turns to Soviet auto body styles. The styling of the Soviet post-war automobiles, "Moskvich", "Pobeda", ZIM, and ZIL-110 corresponds to the requirements for these types. The author has the opinion that the selection of these body styles was correct. These cars have severe and stable lines, they are simple and reliable in operation. Yet, the style of the "Volga" is affected and will not be lasting. The severity of the body style of the ZIL-111 and the
Card 1/2	"Chayka" has been disturbed by an excessive number of

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SOV/113-59-7-7/19

Body Styling of Automobiles

chrome trimmings. For the Soviet automobile industry, the author recommends changing the models of small cars at intervals of 5-6 years, for example in the "Pobeda" class, and at intervals of 3-4 years for the type "Chayka". The models of high-class automobiles should be changed at intervals of 6-8 years. The body styles of small cars should be practical and economical without blind imitation of fashion. Automobile plants should employ 5-15 artists for work on body styles. Competitions should be organized for obtaining the best body design. Soviet artists should help automobile designers in establishing a "Soviet" body style for automobiles. There are 4 photographs and 1 diagram.

ASSOCIATION: Moskovskiy avtozavod imeni Likhacheva (Moscow Automobile Plant imeni Likhachev)

Card 2/2





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ORLOV, B.N., insh.
      Resistance welding of angles for concrete reinforcement fittings.
      Svar.proisv. no.8:32-33 Ag '60.
                                              (MIRA 13:7)
      1. Krasnoyarskiy filial Vsesoyusnogo nauchno-issledovatel'skogo
      gidrotekhniki.
             (Reinforced concrete) (Steel, Structural--Welding)
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ORLOV, B.N.

Effect of animal toxins on the excitation and inhibition processes during the epileptiform reaction in rats. Nauch. dokl. vys. shkoly; biol. nauki no. 2:80-84 '64. (MIRA 17:5)

l. Rekomendovana kafedroy fiziologii cheloveka i zhivotnykh Gor'kovskogo gosudarstvennogo universiteta im. N.I.Lobachevskogo.

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ORLOV, B.N.

• st. 1

Bioelectric activity of the cerebral cortex after poisoning by some animal venoms. Dokl. AN SSSR 154 no.1:233-235 Ja'64. (MIRA 17:2) 1. Gor'kovskiy gosudarstvennyy universitet im. N.I. Lobachevskogo. Predstavleno akademikom Ye.N. Pavlovskim.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOV, B.N.

Preparation of microelectrodes from various metals with an apparatus for electrolytic sharpening of medical instruments. Biul. eksp. biol. 1 med. 56 no.8:121-122 Ag *63.

(MIRA 17:7) 1. Iz kafedry fiziologii cheloveka i zhivotnykh Gor'kovskogo universiteta imeni N.I. Lobachevskogo. Predstavlena deystvitel'-nym chlenom AMN SSSR A.V. Lebedinskim.





BRLOV, B.N.; PLANOVSKIY, A.N.

Effect of wapor velocity on the coefficients of mass transfer of the wapor and liquid phases in the course of the fellication process in a plate unit. Khim.i tekh.topl.i masel 6 no.3:7-10 Mr '61. (MIRA 14:3)

1. Moskovskiy institut khimicheskogo mashinostroyeniya. (Distillation, Fractional)



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ORLOW, B.N., inzh. Accelerating the formation of the structure of stude orsting of a cold apphalt mastle b **adding** reading, delyde res.n. izr. VE(1) 76:345-350 *64.





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2 ORLOV, Boris Pavlovich; KHACHATUROV, T.S., otv. red.; PLISKINA, Te.M., red.izd-va; ZUDINA, V.I., tekhr. red. [Transportation development of the U.S.S.R., 1917-1962] Razvitie transporta SSSR, 1917-1962; istoriko-ekonomicheskii ocherk. Moskva, Izd-vo AN SSSR, 1963. 401 p. (MIRA 17:2) 1. Chlen-korrespondent AN SSSR (for Khachaturov). ę. -

24705-65 EWT(d)/FSF(h)/FSS-2/6PA/EWT(1)/EPA(s)-2/EWG(K)/EWT(m)/EP#(s)/EWP(f)/ EPR/EPA/w)-2/I-2/EPA(bb)-2/EWA(m)-2/FS(b) P:-6/Paa-4/Pab-10/Pf-4/Pr-4/Ps-4/Pt-10 IJP(c) JWA/BW/TT/WW/24/JWD ACCESSION NR AM5002722 BOOK EXPLOITATION S/ Orlov, Boris Viktorovich (Doctor of Technical Sciences, Professor); Mazing, Georgiy TUrlyevich (Candidate of Technical Sciences, Docent) Thermodynamic and ballietic principles of designing solid fuel rocket engines" (Termodinamicheskiye i ballisticheskiye osnovy proyektircvaniya rakefnykh dvigateley na tverdom toplive), Moscow, Izd-vo "Mashinestroyenlye", 1964, 406 p. illus., biblio. Errata slip inserted. 6,000 copies printed. TOPIC TAGS: solid rockst engine, solid rockst propellant, solid propellant combustion, rocket thrust, rocket engine vector control, gas dynamics. PURPOSE AND COVERAGE: This book, on the basis of materials purlished in the domestic and foreign press, presents the thermogasodynamics principles of the design of engines, the engineering methods of calculating, heat exchange processes, the principles of solid propellant combustion, Wand the calculation of the indicator curve of pressure in the engine combustion chamber. The book gives basic information on solid propellants "used in solid rocket engines. Thrust regulation in solid rocket engines and the ballistic principles of solid rocket engines are examined. The book is intended for Card 1/2


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CHUDNOVSKIY, Izrail' Yakovlevich, inzh.; LAKETKO, Vladimir Iosifovich, inzh.; VORONYAK, Ivan Gavrilovich, tekhnik; ORIOV, boris Petrovich, inzh.; SHNAYDEMAAN, David Khaymovich, in**ah**.; KOYCHU, Dora Mikhaylovna, inzh.; BALL, A.M., kand. tekhn.nauk, retsenzent; VEKSLER, G.S. kand.tekhn. nauk, retsenzent; LYSENKO, N.A., kand. tekhn. nauk, retsenzent; YUR'YEV, A.M., inzh., retsenzent; TYNSKIY, P.I., inzh., retsenzent

[Handbook on motion-picture equipment] Spravochnik po kinotekhnike. [By] I.IA.Chudnovskii i dr. Kiev, Tekhnika, 1964. 635 p. (MIRA 18:1)





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USSR/Geography - Journal	Jan/Feb 53
"Discussion of Contents of 'Izves SSSR Seriya Geograficheskaya (News Sciences, Geography Series),' in of the Geographical Society of US Scientific Secretary of the Mosco Geographical Society of USSR	of the Academy of the Moscow Affiliate SR," Prof. B.P. Orlov
"Iz Ak Nauk SSSR, Ser Geograf" No	1, pp 92-96
Presents results of conference he which a number of journals publis 1952 were discussed. General con proposals for improvements in org are necessary. All proposals wer proved.	hed in 1951 and clusion is that anization, etc.,



ORLOV, B.P. Report on the activity of the Moscow Branch of the Geographic Society of the U.S.S.R. for 1952. Vop.goog. vol.3):292-311 '53. (MLRA 7:3) (Moscow--Geographical societies) (Geographical societies--Moscow)





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The Committee on Stalin Prizes (of the Council of Ministers USSR) in the fields of science and inventions announces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stalin Prizes for the years 1952 and 1953. (Sovetskaya Kultura, Moscow, Ho. 22-40, 20 Feb - 3 Apr 1954)

lsakov, I. J. Saleykin, J. V.	Title of Work H <u>arine Alfar</u> (Vel 11)	Finished by The Tay States and the second
Demis, L. A.		
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Kuirystsev, 1. H.		
Babakhanev, A		
Autovits, L. F.		
Volkov, F. G. Solishohev, K. A.		
Urlov, B. I.		
Kalesnik, J. N.		
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JELOY, Boris Favlovich, professor, doktor geograficheskikh neuk; U. FASKATA, S.V., redsktor; GUBIN, N.I., tekhnicheskiy redsktor
[IU.M.Shokal'skii, his life and works; on the centenary of his birth] IU.M.Shokal'skii, ego shish' i deistel'nost'; k stoletiiu so dnis rothestis. Noskva, Isd-vo "Znanie," 1956. 21 p. (mosoluznoe obshchestvo po rasprostraneniu politicheskikh i nauchnykh snanii. Ser. 3, no,48)
1. Deystvitel'nyy chlen Akademii pedagogicheskikh nauk RSFSR (for Orlor)
(Shokal'skii, IUlii Mikhailovich, 1856-1940)

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ORLOV, B.P.

Bygenii Varfolomeevich Blizniak; on the occasion of his 75th birthday and 50th anniversary of his industrial, scientific, pedagogical, and public activities. Meteor.i gidrol. no.9:64-67 S '56. (MLRA 9:11)

(Blizniak, Evgenii Varfolomeevich, 1881-)



CIA-RDP86-00513R001238 "APPROVED FOR RELEASE: Wednesday, June 21, 2000

SOV/12-91-1-16/22 3(5) AUTHOR: Orlov, B.P. Ye.V. Bliznyak (Yevgeniy Varfolomeyevich Bliznyak) TITLE: Izvestiya Vsesoyuznogo geograficheskogo obskchestva, Vol 91, PERIODICAL: Nr 1, pp 93-96 (USSR) 1959 This is an obituary on Ye.V. Bliznyak, Honorary Member of ABSTRACT: the USSR Geographical Society, Honored Scientist and Technician, Doctor of Technical Sciences, Professor at the Moscow University and the Moskovskiy inchemerno-stroitelinyy institut (Moscow Institute of Constructional Engineering) Card 1/1

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ι.	25-9-7/40
AUTHOR:	Orlov, B.P., Full Member of the Academy of Fedagogical Sciences, Professor
TITLE:	The Problem of the Caspian Sea (Problema Kaspiya)
PERIODICAL:	Nauka i Zhizn', 1957, # 9, p 13-16 (USSR)
ABSTRACT:	The level of the Caspian Sea has been varying continuously, but since 1930 it is decreasing without interruption and has fallen more than 2 m by 1956. The low level is caused by in- creased need of water by rapidly growing cities and communities, by agriculture and by the construction of electric power plants and artificial water reservoirs on the Volga river. This led to considerable changes, especially in the northern part of the sea. In some places the water receded over 25 km, leaving ports and fishing villages far behind in the waterless steppe. To prevent further sinking of the water level, a special Caspian Pepartment of the Institute of Oceanology in the system of the USSR Academy of Sciences was created, directed by B.A. Apollov, Doctor of Technical Sciences and expert on Caspian Sea problems. Furthermore, the Caspian Committee at the Presidium of the USSR
Card 1/2	Academy of Sciences resumed its activity. Professor Apollov

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pointed out that the sea level would not cease sinking and that urgent measures were necessary to stop this development. In 1956, a conference was organized by the USSR Academy of Sciences, where numerous projects on the Caspian Sea problem were submitted. There are three gigantic plans that deserve special attention: Engineer G.V. Dmitriyev suggested to direct part of the waters from northern Russia into the Volga river basin. Another project, developed by Engineer M.M. Davydov, offered to draw off the waters from Siberian rivers, directing them into the Caspian Sea. Professor Apollov suggested to regulate the Caspian Sea only locally, by building a dam to lift the water level in the northern part of the sea, which would help the fishing industry and transport, whose position is very unfavorable, especially in the northern Caspian Sea. Apollov's plan is comparatively simple, much cheaper than the other two projects and could be realized in much shorter time. The dam would raise the water in the northern Caspian Sea by 2 m. Unfortunately the rest of the Sea would suffer considerably from such a regulation. There are 9 figures.

ASSOCIATION: Andemiys pedagogicheskikh nauk (Academy of Pedagogical Sciences)

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GLAIKOV, I.A., doktor ekon.nauk; KOSSOY, A.I., kand.ekon.nauk; GGRBUNOV. B.P., nauchnyy sotrudnik; IAKOVYSKYSKIY, V.N., kand.ekon.nauk; GMAOV, B.P., kand.ekon.nauk; DIKHTYAR, G.A., kand.ekon.nauk; D'IAGHENKO, V.P.; PATLOV, K.P., kand.ekoninauk; GHEBOTAREV, V.A., nauchnyy sotrudnik; BAKOVETSKAIA, V.S., red.isd-va; GOLUB', S.P., tekhn.red.
[The Soviet national economy, 1921-1925] Sovetskoe narodnoe khozieistvo v 1921-1925 gg. Moskva. 1960. 558 p. (MIRA 13:3)
1. Akademiya nauk SSSR, Institut ekonomiki. 2. Chlen-korrespondent AN SSSR (for D'yachenko). (Russis--Economic conditions)



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Frofessor Boris Alersandrovich Apollov's Beventieth birthday. Vest.Mosk.un.Ser.5: Geog. 15 no.1:69-70 '60. (MIRA 13:8) (Apollov, Boris Aleksandrovich, 1889-)

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BUDNIK, G.I., kand.ekon.nauk; AVDAKOV, Yu.K., dotsent, kand.ekon.nauk; SARYCHEV, V.G., kand.ekon.nauk; PREOBRAZHENSKIY, A.A., kend. istor.nauk; AVDAKOV, Yu.K., dotsent, kand.ekon.nauk; POLYANSKIY, F.Ye., prof., doktor istor.nauk; ZUTIS, Ya.Ya. [Butis, J.]; GULANYAN, Kh.G., prof., doktor ekon.nauk; GULANYAN, Kh.G., prof., doktor ekon.nauk; KONYAYEV, A.I., dotsent, kand.ekon.nauk; KHROMOV, P.A., prof., doktor ekon.nauk; SHALASHILIN, I.Te., dotsent, kand.ekon.nauk; SHEMYAKIN, I.N., dotsent, kand.ekon.nauk; POGRE-BINSKIY, A.P., prof., doktor ekon.nauk; ORLOY, B.P., dotsent, kand. ekon.nauk; TYUSHEV, V.A., kand.ekon.nauk; BALASHOVA, A.V., kand. ekon.nauk; SHEMYAKIN, G.I., prof., doktor ekon.nauk; HINDAROV, A.T., dotsent, kand.ekon.nauk; SHIGHIN, G.I., prof., doktor ekon.nauk; GOLUBNI-CHIY, I.S., prof., doktor ekon.nauk; VOSKRESENSKAYA, T., red.; BAKOVETSKIY, O., mladshiy red.; MOSKVINA, R., tokhn.red.

> [History of the national economy of the U.S.S.R.; lecture course] Istoriia narodnogo khoziaistva SSSR; kurs lektsii. Moskva, Izd-vo sotsial'no-ekon.lit-ry, 1960. 662 p. (MIRA 13:5)

1. Deystvitel'nyy chlen AN Latviyskoy SSR (for Zutis). (Russia--Economic conditions)



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RLOV,	99-58-4-5/7
AUTHOR :	Orlov, b.V., Engineer
TITLE:	The Construction of Lams From Frefsbricated Reinforced Concrete Units, and Their Comparative Efficiency (Kon- struktsii plotin iz sbornogo zhelezobetona i ikh sravnitel'- naya effektivnost')
PERIODICAL:	Gidrotekhnika i Melioratsiya, 1958, # 4, pp 47-54 (USSR)
ABSTRACT :	This article describes new methods of dam and abutment construction from prefabricated, reinforced-concrete units as elaborated by the "Giprosel'elektro" according to the proposal of T.L. Varkhotov, Engineer, (author's certificate Nr. 103596). Such construction permi s savings of up to 50% of concrete and are 20-30% cheaper than solid structures. Such prefabricated dams are composed of longitudinal and transversal cellular walls, filled with ballast and covered with a concrete plate. The walls of these cells are formed by two plates, joined together by a skeleton structure. They are filled with concrete when the entire structure is com- pleted. The stability of the dam is therefore mainly achieved by the ballast, which fills the cells, and with the concrete walls transforms the whole structure into a
Card 1/2	the concrete walls transions the anone



99-58-4-5/7 The Construction of Dams From Frefabricated Keinforced Concrete Units, and Their Comparative Efficiency monolithic one. The author gives construction details and relative costs of different dam construction. There are 6 figures, 3 graphs and 1 table. AVAILABLE: Library of Congress Card 2/2

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CRICV, E. ...

LAVROV, B.A., inshener; ORLOV, B.V.

Hinged plew handle dump box for free-flowing and lumpy material

delivered on a conveyor belt. Rate. i isebr. predl. v etrei. ne.75:

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VARKHOTOV, Taras Lavrovici . Prinimali uchastiye: ORLOV, B.V., inzh.; FIL'ROZE, R.M., inzh.; STANKEVICH, V.I., inzh., nauchnyy red.; SAFONOV, P.V., red. izd-va; BO:DVNEV, N.K., tekhn. red. [Composite-monolithic and precast honey-combed dams]Sbornomonolitnye i sbornye iacheistye plotiny. Moskva, Gosstroiizdat, 1962. 342 p. (MIRA 15:10) (Dams) (Concrete construction)

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ORLOV. Dmitriy Arkhipovich; MITAISHVILI, A.A., red.; VITASHKINA, S.A., red.izd-va; YEHMAKOVA, T.T., tekhn.red. Marcist-Leninist theories on transportation] Marksistskolerinskoe uchenie o transporte. Moskva, Izd-vo "Bechnoi tr.nsport," 1959. 19 p. (MIRA 12:10) (Transportation)

MITAISHVILI, A.; ORLOV, D.

Role of river transportation in the consolidated transportation system of the U.S.S.R. Rech. transp. 20 no.10:3-8 0 '61. (MIRA 14:9)

 Direktor TSentral'nogo nauchno-issledovatel'skogo instituta ekonomiki i ekspluatatsii vodnogo transporta (for Mitaishvili).
 Glavnyy spetaialist Gosudarstvennogo Ekonomicheskogo soveta Soveta Ministrov SSR (for Orlov).

(Inland water transportation)



OrLOV, D.A., spets.red.; EYDEL'MAN, D.Ya., spets.red.; KOILYAKOVA, U.I., tekhn. red.

> [Theoretical and practical problems of stability and reserve buoyancy of seagoing ships] Teoreticheskie i prakticheskie voprosy ostoichivosti i nepotopliaemosti morskikh sudov. Leningrad, Izd-vo "Norskoi transport," 1963. 234 p. (MIRA 17:1)

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Revaluation of fixed assets in the river fleet is a most important undertaking. Rech. transp. 17 no.3:6-9 Mr '58. (MIRA 12:4) (Inland water transportation--Accounting)

OVSYANNIKOV, N.G.; ORLOV, D.A. On the eve of the 21st Congress of the CPSU. Rech.transp. 17 no.10: 1-4 0 '58. 1. Zamestitel' Ministra rechnogo flota (for Ovsyannikov). 2. Nachal'nik Planovo-ekonomicheskogo upravleniya Ministerstva rechnogo flota (for Orlov). (Inland water transportation)

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ORLOY, D., insh. Role of river transportation in the economy of Buropean socialist countries. Rech.transp. 19 no.7:53-54 J1 '60. (NIEA 13:8) (Burope, Instern-Inland water transportation)

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ORLOV, D.; IL'IN, A. Strengthening of the cooperation between European countries in the field of transporation. Avt.transp. 39 no.6:54-55 Je '61. (MIRA 14:7) 1. Chleny sovetskoy delegatsii na XI sessii Komiteta po vnutrennema transportu Yevropeys Ekonomicheskoy Komissii Organizatsii Obyedinennykh Natsiy. (United Mations-Commissions) (Transportation, Automotive-International cooperation)













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Brief outline of the igneous activity in the Western Sayans. Trudy VSECEI 58:105-112 '61. (MIRA 15:5) (Sayan Mountains--Rocks, Igneous)

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ORLOV, D.M. Differentiated granitoid massifs of the Dzhoyskiy complex in the Western Sayan Mountains. Trudy VSEGEI 73:169-181 '62. (MIRA 15:9) (Sayan Mountains-Granite)

ABRAMOVICH, I.I.; ORLOV, D.M.

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Uranium and thorium in the intrusive rocks of the Sayan Mountains. Trudy VSEGEI 95:115-121 463.

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utusika shiliarozab in slit <u>j</u> Trisosh soʻlosroon j T. Malovi, Gusteroo 262 p.	· , · ·
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"On the Utilization of Projection Links Between Ortho onal and Central ilans in Architectural Design." Cand Tech Sci, Kiev Construction Engineering Inst, Min Culture USSR, Kiev , 1954. (KL, No 15, Apr 55)

SO: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (16).

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"APPROVED FOR RELEASE: Wednesday, June 21, 200 CIA-RDP86-00513R00123: <u>GELOV, Dmitriy Mikhaylovich, dotsent; KUKSOV, V.A., red.; FLESHANOVA,</u> M.I., red.izd-vs; BACHURHA, A.M., tekhn.red. [Vood and wood products] Drevesina i drevesnye msterialy. Moskva, Goslesbumisdet, 1960. 98 p. (WIRA 14:3) (Wogd)

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9.6000 (1013, 1089, 1159)

AUTHORS: Isabayev, Ye.A., Kozak, L.V., Mikhaylov, V.F., Orlov, D.P., Starikov, V.M. and Chursin, G.P.

TITLE: Multi-channel amplitude analyzer with simple channel switching circuit

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 7, 1961, 34, abstract 7 K203 (V sb. Optika. Yadern. protsessy. Alma-Ata, 1959, 51-57)

TEXT: The description is given of the circuit of a 50-channel amplitude analyzer with amplitude-to-time conversion. The arrangement employs a simple time-discriminator circuit built around a 50phase single-shot multivibrator, gating in sequence 50 coincidence circuits for the duration of 130 μ sec. The multi-vibrator is triggered by the leading edge of the transformed analyzed pulse of duration t. The trailing edge of the pulse is applied to the coincidence circuits and is transmitted to the output of the N-th channel,

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5/169/62/000/012/005/095 J228/J307

AU'HORS: Isabayev, Ye..., Cherdyntsev, V.V., Urlov, J.P. and Yenikeyeva, K.Jh.

TITLA: Determining radium isotopes from the alpha-spectrum of their active deposit

PULICAL: Referativnyy zhurnal, Geofizika, no. 12, 1962, 10, abstract 12A79 (Ub. nauchn. rabot Rafedry optiki i Rafedry eksperim. fiz., Razakhsk. un-t, no. 2, 1960, 75-80)

TEXT: A method has been developed for determining the radium isotopes of actinon (AcR), thoron (ThX), and radon (Aa) from the alpha-spectrum of their active deposit. It can be used to determine the Ac/Ka ratio of certain natural objects. The measuring equipment is described; it consists of an ionization chamber, a "siren"-type amplifier, and a 19-channel pulse analyzer. The measurement procedure is also described, as is the technique by which the compound under study is prepared. The sensitivity of this meth-

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3/007/60 000 004 005 005 BU02/B055 Sherdyntsev, V. V., Isabayev, Ye. A., Surkov, YJ. A., AUTHORS: Orlov, D. P., Usatov, E. P.L. Excess U²³⁵ in magnetite with increased actinium content TITLE: PERIODICAL: Geokhimiya, no.4, 1960, 373-574 TEXT: The magnetite in a pegmatite vein was found to have a nigh content of U^{235} and actinuum. The contents of radioelements was 1.3 ppm of uranium and 10 ppm of thorium. The Ac/Ra ratio exceeds the normal value by a factor of 4.3 $\stackrel{+}{-}$ 0.3. The age of the minerals is approximately 'OC million years with certainty, however, less than 300 million years. The present publication reports the results obtained in determinations of the U^{235}/U^{238} ratio. From the ratio of the number of fission fragments produced by thermal neutron irradiation to the a-activity of the sample, the Card 1/8 2-

Excess in mannetite with... S/007/60/000/004/005,005 B002/B055 v^{235}/v^{235} ratio was found at 1.18 \pm 0.06, which after correction for the presence of other radioelements alters to ' 30 - 0.10. Determinations of the α -spectra in the alpha-spectrometer at Kazakhskiy universitet (Kazakh University) yielded a ratio $U^{2.5}/U^{2.38} = 1.60 \pm 0.13$, and in the alpha spectrometer of the Institut geokhimii im. V. I. Vernadskogr AN SSSR (Institute of Geochemistry imeni V. I. Vernadskiy AS USSE), a value of 1.5 \pm 0.1. The latter determination was carried out by Y₂, ... Surgev. A last series of measurements in the slpha analyzer KazGU (A.makh State University), carried out by D. P. Oricy ave a value of 1 4. : 0.15 Thisexcess of U^{275} in the magnetite with increased actinium content can only be explained by the existence of a transuranic isotope in nature up to the present day, which decays to actinium and the odd-numbered uranium isotope. E. K. Gerling is mentioned in the publication. There are 1 figure. * table, and 9 references: 9 Soviet-bloc and 3 non-Soviet-clos Asan. Kuyukh Stale Univ in 5 M harow Card 2/0

S/081/62/000/012/012/06; B168/B101
AUTHORS: Cherdyntsev, V. V., Orlov, D. P., Isabayev, Ye. A., Asylbayev, U. Kn., Ivanov, V. I., Usatov, E. P., Borisenko, T. I.
MITLE: Variations in the isotopic composition of natural uranium
PERIODICAL: Referativnyy žhurnal. Khimiya, no. 12, 1962, 115, abstract 12016 (Tr. 9-y sessii Komis. po opredeleniyu absolyutn. vozrasta geol. formatsiy, 1960, M.-L., AN SSSR, 1961, 506 - 572)
TEXT: The U²³⁵ : U²³⁸ ratio in 14 different minerals was determined by a-spectrometry and neutronometry. Some minerals show a U²³⁵ surplus : quartz lode U²³⁵ : U²³⁸ = 1.6 ± 0.1 (a-spectrum), magnetite 1.5 (x-spectrum) and 1.35 (neutronometry). In the remaining 12 minerals the observable effect of disturbance of the isotopic composition does not go toyond the limits of the experimental error. [Abstracter's note: Complex translation]
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