

DOLGOV, A., insh.; BAYRAMOV, M., insh.

Financial aid by the Economic Council is necessary. Mas.ind.
SSSR 30 no.2:17-18 '59. (MIRA 13:4)

1. Bryanskiy sypakombinat.
(Bryansk--Packing houses--Equipment and supplies)

2254 KUCHIYERSKIY, M. AND DOLGOV, A.

Zhivotnovodstvo Kolkhoza Imeni Lenina, Kishkarenskogo Rayona. Kishinev, Moldaviya,
1954. 16s. s Ill. 17sm. (Glav UPR. s.-Kh. Propagandy I Nauki MSKH MSSR. B-Chka
Kolkhoznika). 3.000 EKZ. 10k.-
(54-55851)p

636.083st (47.75)

L 05785-67 EWT(1) LIP(e)

ACC NR: AT6033192 SOURCE CODE: UR/3138/66/000/433/0001/0008

AUTHOR: Dolgov, A. D. ; Ponomarev, L. A.

39
37

ORG: none

B+1

TITLE: Three-photon decay of particles with 0 and 1 spin

SOURCE: USSR. Gosudarstvennyy komitet po ispol'zovaniyu atomnoy energii.
Institut teoreticheskoy i eksperimental'noy fiziki. Doklady, no. 433, 1966. O
raspade chastits so spinom 0 i 1 na tri fotona, 1-8

TOPIC TAGS: photon, matrix element, particle

ABSTRACT: A form of three-photon amplitude decay of particles with 0 and 1 spin is studied. It is shown that the decay amplitude of a scalar particle is determined by two form factors if spatial parity is maintained, and by four form factors if parity is not maintained. The minimum degree of impulse in the matrix element is equal to seven. The decay amplitude of the vector particle depends on six (or twelve, if the R parity is interrupted) form factors. It is shown that if the minimum (fourth) degree of impulse in the matrix element is used, than only two (four) independent form factors remain. The authors are deeply grateful to L. B.

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L 05788-67

ACC NR: AT6033192

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L. B. Okyn' for the attention he gave to the work and to A. V. Tarasov for useful discussions. Orig. art. has: 10 formulas.

SUB CODE: 20/ SUBM DATE: 23Mar66/ ORIG REF: 001/ OTH REF: 002/

Card 2/2 *eyk*

D. [unclear]
USSR/Medicine - Newcastle Dysentery

FD-3314

Card 1/1 : Pub 148-10/24

Author : Verkholomov, Ye. Ye. and Dolgov, A. F.

Title : Several facts on the epidemiology of Newcastle dysentery

Periodical : Zhur. mikro. epid. i immun. 10, 46-48, Oct 1955

Abstract : A five year study of persons suffering from dysentery revealed that the number of Newcastle dysentery patients increased from 9.4% in 1950 to 28.5% in 1954. A gas-generating variant, isolated for the first time by Gol'dberg in 1949, of the Newcastle bacillus appeared only in isolated instances in persons investigated in 1950, but in 55.6% of those examined in 1954. This variant, apparently, caused no variation in the course of Newcastle dysentery. Epidemiological data showed that all the persons suffering from Newcastle dysentery had come from, or recently visited either Lithuania or Belorussia up until 1953. In 1954 persons from the Ukraine were found to be infected with the Newcastle bacillus. The data are presented on a chart. No references are cited.

Institution : A Sanitary-Epidemiological Laboratory (Chief - I. N. Rozhanskiy)

Submitted : December 10, 1954

USYUKIN, I.P.; AVER'YANOV, I.G.; UVAROVA, A.P.; Primali uchastiye:
DOLGOV, A.A.; CHEREPKOVA, A.A.

Continuous method of the production of ammonium bicarbonate.
Khim.prom. no.10:723-728 0 '62. (MIRA 15:12)
(Ammoniumcarbonate)

DOLGOV, A.D.

Differential cross sections of the processes

$e^+e^- \rightarrow H^+H^- \nu_e \bar{\nu}_e$, $e^+e^- \rightarrow H^+H^- \nu_e \bar{\nu}_e$. 1Ad. fiz. 1 no.1:89-
91 Ja '65. (MIRA 18:7)

1. Institut teoreticheskoy i eksperimental'noy fiziki Gosudarstvennogo komiteta po ispol'zovaniyu atomnoy energii SSSR.

DOLGOV, A.D.; OKUN', L.B.; POMERANCHUK, I.Ya.; SOLOV'YEV, V.V..

Electromagnetic differences of baryon masses, and the SU_6 -symmetry.
IAd. fiz. 1 no.4:730-732 Ap '65. (MIRA 18:5)

1. Institut teoreticheskoy i eksperimental'noy fiziki Gosudarstvennogo komiteta po ispol'zovaniyu atomnoy energii SSSR.

L 60910-65 EWT(m)/T/EWA(m)-2

ACCESSION NR: AP5014320

UR/0367/65/001/005/0860/0866

AUTHORS: Dolgov, A. D.; Solov'yev, V. V.

TITLE: Intermediate meson production by colliding beams

SOURCE: Yadernaya fizika, v. 1, no. 5, 1965, 860-866

TOPIC TAGS: colliding beam, meson production, high-energy electron collision, intermediate boson production, weak interaction

ABSTRACT: The authors consider the 'semi weak' interaction of W mesons with leptons in the process $e^+ + e^- \rightarrow W^+ + W^-$, in view of the possibility of realization of such a reaction in presently-planned colliding beam experiments. It is shown that in this reaction both the W mesons and the charged leptons resulting from the decay have an asymmetrical angular distribution about the direction of the collision. This makes it possible to observe the effect of the 'weak' interaction of the W meson in this process and to determine the form factor of this interaction. The differential and cross section.

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ACCESSION NR: AP5014320

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of the reaction are calculated, and the asymmetries of the angular distributions are evaluated. When the velocity of the electron is not too small (~ 0.1 of the speed of light) the asymmetry may be several per cent and thus observable experimentally. The study shows that the weak interaction is a fairly large participant in the production of intermediate bosons by colliding beams, and if W mesons exist, their production could be observed experimentally. The authors thank L. B. Okun' for suggesting this research and for critical reading of the manuscript.

ASSOCIATION: Institut teoreticheskoy i eksperimental'noy fiziki GKAE
 (Institute of Theoretical and Experimental Physics, GKAE)

SUBMITTED: 13Nov64

ENCL: 00

SUB CODE: 00

NR REF SOV: 002

OTHER: 008

dm
 Card 2/2

DOLGOV, A.D.

Electromagnetic properties of the 70-plet. IAd. fiz. 2
no.5:922-927 N '65. (MIRA 18:12)

1. Institut teoreticheskoy i eksperimental'noy fiziki
Gosudarstvennogo komiteta po ispol'zovaniyu atomnoy energii
SSSR.

L 12006-66 EWT(n)/T/EWA(m)-2

SOURCE CODE: UR/0386/65/002/0:0/0494/0496

ACC NR: AP6001780

AUTHOR: Dolgov, A. D.

ORG: Physicotechnical Institute, Academy of Sciences UkrSSR (Fiziko-tehnicheskiy institut Akademii nauk UkrSSR)

TITLE: Charge-parity violating electromagnetic interaction.

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu. Prilozheniye, v. 2, no. 10, 1965, 494-496

TOPIC TAGS: parity principle, electromagnetic interaction, nuclear spin, elastic scattering, nuclear scattering

9.4 ABSTRACT: This is a companion to a paper in the same source (ZhETF Pis'ma v. 2, 466, 1965, Acc. AP6001773) where it is noted that the electromagnetic current of particles with spin $J > 1/2$ can in principle contain both C-odd and C-even terms, and that the contribution of C-even terms to the elastic scattering of the electron by the particle in question is proportional to the square of the momentum transfer. The author shows in this paper that a similar phenomenon takes place for particles with arbitrary spin $> 1/2$. This is done by describing a particle with spin J by means of a matrix which is symmetrical in all indices and satisfies the Dirac equa-

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L 12006-66

ACC NR: AF6001780

tion. It is shown that the number of independent matrices is $3J + 1$ and $3J + 1/2$ for particles with integer and half-integer spin, respectively. It is noted that expressions of the type $(\gamma_\mu)^\alpha (\gamma_\mu)^\beta$ reduce to those obtained by virtue of the identity

$$(\gamma_\mu)^\alpha (\gamma_\mu)^\beta + (\gamma_\mu)^\alpha (\gamma_\mu)^\beta = I_\rho^\alpha I_\rho^\beta + I_\sigma^\alpha I_\sigma^\beta - (\gamma_5)^\alpha (\gamma_5)^\beta - (\gamma_5)^\alpha (\gamma_5)^\beta$$

and only two of the three resultant expressions conserve C. parity. The conditions necessary to make the C-parity-violating amplitudes analytic are derived. Author is deeply grateful to L. B. ^{4/15/65} and M. S. ^{4/15/65} for interest in the work and valuable discussions. Orig. art. has: 5 FORMULAS.

SUB CODE: 20/ SUBM DATE: 07Oct65/ ORIG REF: 002/ OTH REF: 002

NW
o/s

DOLGOV, A.D.; SOLOV'YEV, V.V.

Predictions of unitary symmetry for reactions of hadron
photoproduction. *Izv. fiz.* 2 no.5:954-956 N '65. (MIRA 1965)

1. Institut teoreticheskoy i eksperimental'noy fiziki
Gosudarstvennogo komiteta po ispol'zovaniyu atomnoy energii
SSSR.

L 20390-66 EWT(m)/T

ACC NR: AT6002497

SOURCE CODE: UR/3138/65/0001/333/0001/0100

AUTHOR: Dolgov, A. D.; Solov'yev, V. V.

13 + 1 27
24

ORG: Institute of Theoretical and Experimental Physics of the State Committee on the Use of Atomic Energy SSSR (Institut teoreticheskoy i eksperimental'noy fiziki Goskomiteta po ispol'zovaniyu atomnoy energii SSER)

TITLE: Check on the consequences of unitary symmetry in hadron production reactions (review)

SOURCE: SSSR. Gosudarstvennyy komitet po ispol'zovaniyu atomnoy energii. Institut teoreticheskoy i eksperimental'noy fiziki. Doklady, no. 333, 1965. Proverka sledstviy unitarnoy simmetrii v reaktsiyakh obrazovaniya adronov, 1-100

TOPIC TAGS: strong nuclear interaction, elementary particle, baryon, meson, vector meson, photoproduction, particle cross section

ABSTRACT: The authors point out in the introduction that although the SU(3) symmetry predicts many properties of elementary particles, the experimental data make it possible in most cases only to analyze the total cross sections, and many of the unitary relations between the amplitudes of the different reaction channels may not agree with experiment for various reasons. It is furthermore pointed out that the predictions of unitary symmetry in reactions of strongly interacting

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ACC NR: AT6002497

particles can be verified only in a small number of cases, in view of the limited amount of experimental data and their low accuracy. In reviewing the possible checks on the results of unitary symmetry the authors first discuss briefly some premises of unitary symmetry and methods of constructing unitary-invariant amplitudes. This is followed by a discussion of meson-baryon reactions accompanied by formation of the baryon octet and baryon-resonance decuplet, respectively, of the type

$$M + p \rightarrow M(V) + B$$

$$M + p \rightarrow M(V) + B^*$$

where M and V are the pseudoscalar and vector mesons. An analysis is then presented of the proton-antiproton annihilation reactions

$$\bar{p}p \rightarrow \bar{B}B; B^*B^*, MM, MV, VV,$$

as well as a study of the predictions of SU(3) symmetry for baryon-variant scattering in S State

$$B + p \rightarrow B + B,$$

of the relations between reactions with formation of an f' meson under the assumption that the latter is a singlet with respect to SU(3), and of a large number of

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ACC NR: AT6002497

relations for different reactions of hadron photoproduction. It is shown that for some reactions the SU(3) predictions are in surprisingly good agreement with experiment, there is a discrepancy by a factor of several times for others, and by several orders of magnitude for still others. Possible reasons for the discrepancies are briefly discussed. Extensive tables summarizing the experimental data on the cross sections of hadron strong interactions are presented. Much of the material in the tables is not discussed in the article but is presented for completeness. The authors thank L. B. Okun at whose initiative this review was written for generous advice, B. M. Shekhter for a discussion of meson-baryon reactions, and V. I. Zakharenko for a discussion of general problems. Orig. art. has: 15 figures, 71 formulas, and 6 tables.

SUB CODE: 20/ SUBM DATE: 18Mar65/ ORIG REF: 014/ OTH REF: 157

L 39763-66 EWT(m)/T GD-2

ACC NR: AP6014821

SOURCE CODE: UR/0367/65/001/004/0730/0732

AUTHOR: Dolgov, A. D.; Okun', L. B.; Pomeranchuk, I. Ya.; Solov'yev, V. V.

ORG: none

TITLE: Electromagnetic mass differences of barions and SU sub 6 symmetry

SOURCE: Yadernaya fizika, v. 1, no. 4, 1965, 730-732

TOPIC TAGS: baryon, Coulomb interaction, particle interaction

ABSTRACT: The results are presented from a calculation of the electromagnetic mass differences of barions. The authors began with a model of "non-relativistic" quarks, assuming that they are located in a state with full orbital momentum equal to zero and that the electromagnetic mass differences of the barions result from differences in electromagnetic quark masses, coulomb interactions between quarks, and interactions between magnetic quark moments. The authors thank V. Singh for sending a preprint of his works; and Ya. B. Zel'dovich and I. Yu. Kobzarev for their valuable critique. Orig. art. has: 1 table. [JPRS]

SUB CODE: 20 / SUBM DATE: 23Jan65 / OTH REF: 013

Card 1/1 *45*

VERKHOLOMOV, Ye.Ye.; DOIGOV, A.F.

Further epidemiological observations of the occurrence of Newcastle
dysentery (gas-forming variant). Zhur.mikrobiol.epid. i immun.,
supplement for 1956:54 '57 (MIRA 11:3)

1. Iz sanitarno-epidemiologicheskoy laboratorii
(SHIGELLA)

ROZHANSKIY, I.N., podpolkovnik med. shuzhby; GAL'PERIN, Ya.L., podpolkovnik
med. sluzhby; DOLGOV, A.F., mayor med. sluzhby

Organization of special training for the medical personnel of military
units and ships at a sanitary and epidemiological laboratory. Voen.-
med.zhur. no.3:10-12 Mr '61. (MIRA 14:7)
(MEDICINE, MILITARY) (MEDICINE, NAVAL)

DOLGOV, A. F.

Jun 52

USSR/Engineering - Heat, Steam Turbines

"Reconstruction of the Flow Section of a Steam Turbine," D. A. Yermakov, V. P. Khripunov, A. G. Dolgov, Engineers, GRES Mosenergo, I. D. Lyakhovitskiy, Cand Tech Sci, G. N. Khrushchev, Engr, Lab of Steam Turbines, VTI

"Iz v-s Teplotekh Inst" No 6. pp 24-27

Describes changes in design of turbine to increase its efficiency and reduce consumption of theoretical fuel to 480 g/kwh. Two-cylinder condensing Siemens-Shuckert 50,000-kw turbine was built in 1930-31. Regulation stage with 140 nozzles and 19 reaction stages were redesigned. Tests showed decrease in heat rate by 4.3%. Turbine capacity was increased to 52,000 kw at same max steam rate.

231T47

DOLGOV, A. F.

USSR/Engineering - Heat, Turbines,
Auxiliaries

Jun 52

"Increasing the Efficiency of Turbine Installations by Reconstruction of Feed-Water Heaters and Condensers," L. D. Berman, Dr Tech Sci, Lab of Heating, VTI, A. F. Dolgov, F. A. Tshchakov, Engineers of GRES of Mosenergo

"Iz v-s Teplotekhn Inst" No 6, pp 19-24

Discusses use of steam from low-pressure stages of turbine cycle for regenerative feed-water heating and increase in vacuum for turbine exhaust by

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changes in design of regenerative-type condenser. Reconstruction of heaters and condensers was achieved under conditions of exploitation during regular repair works.

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DOLGOV, A.F.; KHRIPUNOV, V.P.; DUB, V.I., redaktor; KIRSANOV, I.N.,
redaktor; LARIONOV, G.Ye., tekhnicheskiy redaktor.

[Experience in operating the equipment of the turbine department
of a hydroelectric power station] Opyt ekspluatatsii oboorudovaniia
turbinnogo tsokha GRES. Pod red. B.I.Duba. Moskva, Gos.energ. izd-
vo, 1953. 45 p. (MLRA 9:5)
(Turbines) (Hydroelectric power stations)

DOLGOV, A.F., inzh.

Irregularity in the operation of the control valves of PT-50-130/13
(VPT-50-3). Energetik 12 no.10:9-10 0 '64. (MIRA 17:11)

YERSHOV, P.N., red.; DOLGOV, A.I., red.; NIKIFOROV, A.S., red.; POZDEYEV, N.V., red.; SKOBL'OV, D.A., red.; PRUDNIKOVA, M.N., red.; TEMKINA, Ye.L., tekhn.red.

[Proceedings of the section on standard housing construction and furniture] Sektsiia standartnogo domostroeniia i mebeli. Moskva, Gos.izd-vo lit-ry po stroit., arkhitekt. i stroit.materialam, 1958. 212 p. (MIRA 12:5)

1. Vsesoyuznoye soveshchaniye po stroitel'stvu. 3rd, Moscow, 1958. 2. Nachal'nik otdela standartnogo domostroyeniya Ministerstva lesnoy promyshlennosti RSFSR (for Yershov). 3. Zaveduyushchiy laboratoriyey derevoobrabatyvayushchikh stankov i potochnykh liniy v derevoobrabotke tsentral'nogo nauchno-issledovatel'skogo instituta mekhanicheskoy obrabotki dereva (for Dolgov). 4. Zamestitel' nachal'nika otdela standartnogo domostroyeniya Ministerstva lesnoy promyshlennosti RSFSR (for Pozdeyev). 5. Glavnyy ekspert Gosstroya SSSR (for Skoblov).

(Buildings, Prefabricated) (Furniture)

DOLGOV, A.I.; BAKST, A.S.; EPSHTEYN, T.G.

Machine tools for making doweled doors. Der. prom. 7 no.4:17-19
Ap '58. (MIRA 11:5)

1. Tsentral'nyy nauchno-issledovatel'skiy institut mekhanicheskoy
obrabotki dereva.
(Doors) (Woodworking machinery)

KHUDIYAKOVA, Z.A.; DOLGOV, A.I.

Grinding devices for chain mortising machines. Iter.prom. 7 no.9:29-30
S '58. (MIRA 11:11)

(Woodworking machinery)

DOLGOV, A.I.; MAYOROV, V.F.; PETROVSKAYA, M.N., red.; SELUTCHENKO,
Ye.M., red.; KOLOMBYER, V.Z., tekhn.red.

[Production and use of laminated short-plank panels in
Canada] Proizvodstvo i primenenie kleenykh panelei iz
korotkikh desok v Kanade. Moskva, TSentr.biuro tekhn.
informatsii Otkvstandartdoma, 1959. 34 p. (NDA 13:1)
(Canada--Plywood)

DOLGOV, A.I.; CHIZHOVA, Z.I.

Jointers for assembling frames. Der.prom. 8 no.1:13-14
Ja '59. (MIRA 12:1)
(Jointer (Woodworking machine))

DOLGOV, A.I.; FISHKINA, F.L.

Precise machining of boxes on double-sided belt grinding machines.
Der.prom. 8 no.3:15-16 Mr '59. (NIRA 12:4)
(Woodworking)

DOLGOV, A.I.; BAKST, A.S.

New mechanisms for continuous production lines. Der.prom. 9
no.9:8-9 S '60. (MIRA 13:9)

1. Nauchno-issledovatel'skiy institut derevoobrabatyyvayushchego
mashinostroyeniya.
(Conveying machinery) (Furniture industry)

L 26707-66 EWT(c)/EWP(1) IJP(c) EB/CG/JKT(BF)

ACC NR: AT5028454

SOURCE CODE: UR/2690/65/009/000/0211/0218

AUTHOR: Dolgov, A. I.; Zhuravlev, Yu. P.

43

B71

ORG: none *

TITLE: Possibility of rapid information exchange between storages 100

SOURCE: *AN LatSSR. Institut elektroniki i vychislitel'noy tekhniki. Trudy. v. 9, 1965. Avtomatika i vychislitel'naya tekhnika, 211-218

TOPIC TAGS: computer storage, digital computer, number

ABSTRACT: In digital computer work, a great deal of numbers often has to be transferred from external to internal storage and vice versa, which necessitates interrupting the computing work during such transfers. A method for simultaneous number transfers in both directions is suggested to save time. The problem is reduced to a simultaneous transfer of one pair of numbers in opposite directions:

this algorithm describes the operation: I 1) 'a → Pr1; 1') 'A → Pr2;

Also, the operation is described by directed graphs. II 2) 'Pr1 → Pr2; 2') 'Pr2 → Pr1;

The microoperations 1, 1* and 3, 3* require different functional elements and, hence, can be III 3) 'Pr2 → A; 3') 'Pr1 → a,

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UDC: 681.142.6

L 26707-66

ACC NR: AT5028454

performed independently from each other. The microoperations 2, 2* require a simultaneous exchange of information between two registers; such an exchange is possible if the information is transcribed with a delay via two inputs of each digit. Sometimes the delay can be provided by the functional elements proper. Additional control circuits are required in any case. Orig. art. has: 5 figures, 24 formulas, and 1 table.

SUB CODE: 09 / SUBM DATE: none

Card

2/2 MJS

DOLGOV, A.M. [Dolhov, A.M.], inzh.

Ways for improving traction characteristics of diesel engines.
Mekh. sil'. hosp. 13 no.7:28-29 J1 '62. (MIRA 17:3)

1. Khar'kovskiy traktornyy zavod.

DOLGOV, K. M.

Sheep Breeding

Work of a leading technician in artificial insemination of sheep. Sot. zhiv. 14 No. 7, 1952.

9. Monthly List of Russian Accessions, Library of Congress, December 195~~3~~₂, Uncl.

DOLGOV, A. M.

Dissertation: "Characteristics of Simmental-Crossed Cattle of the Tyrnovskiy Rayon and Ways of Improving Them." Cand Agr Sci, Kishinev Agricultural Inst imeni M. V. Frunze, 26 Jun 54. (Sovetskaya Moldaviya, Kishinev, 15 Jun 54)

SO: SUM 318, 23 Dec 1954

USSR/Farm Animals - Cattle.

Q-3

Abs Jour : Ref Zhur - Biol., No 7, 1958, 309-310

Author : Dolgov A.

Inst : _____

Title : The Evaluation of Bull-Sires (Otsenka bykov-proizvoditeley).

Orig Pub : Zoolozhiye i zhivotnovodstvo Moldavii, 1957, No 8, 29-33.

Abstract : Different methods of the evaluation of sires according to progeny, and their positive and negative characteristics, are discussed. In comparing the production of daughters of the bull with the production of dams, it is recommended to compare their milk yield during a single lactation and to make a correction for age (first lactation in daughters and third in dams). The sires are evaluated by the first calving of their daughters. They may also be compared according to the production

Card 1/2

DOLGOV, Aleksandr Mikhaylovich, kand. sel'khoz. nauk; ZABULIKA, V., red.;
KURMAYEVA, T., tekhn.

[Qualitative improvement of the herd] Kachestvennoe uluchshenie
stada zhivotnykh. Kishinev, Gos. izd-vo "Kartia moldoveniaske,"
1960. 14 p. (MIRA 14:10)
(Stock and stockbreeding)

BOLOV, A. N.

BOLOV, A. N.: "A temporary type of road covering for Voronezh Oblast using sandstone". Voronezh-Moscow, 1955. Min Higher Education USSR. Moscow Automobile and Road Institute V. A. Holotov. (Dissertation for the Degree of Candidate of TECHNICAL Sciences)

SO: Zhizhnaya Letopis' No. 51, 10 December 1955

DOLGOV, A.N., insh.

Investigating properties of soil-aggregate mixtures made of
broken sandstone. Trudy MADI no.22:110-116 '58. (MIRA 12:4)
(Sandstone) (Road materials)

DOIGOV, A.N., kand. tekhn. nauk; SAMODUROV, S.I., inzh.

Wider use of local materials in the construction of local
roads. Avt. dor. 28 no.1:16-17 Ja '65. (MIRA 18:3)

5(3)

AUTHORS: Dolgov, A. N., Bnatov, S. A. SOV/156-59-1-32/54

TITLE: The Synthesis of Benzophenone in the Presence of Metallic Aluminum According to Radziewanowski (Sintez benzofenona v prisutstvii metallichesкого alyuminiya po Radzivanovskomu)

PERIODICAL: Nauchnyye doklady vysshey shkoly. Khimiya i khimicheskaya tekhnologiya, 1959, Nr 1, pp 127-128 (USSR)

ABSTRACT: Previous papers (Ref 1, Ref 2, Ref 3) described the use of metallic aluminum in the synthesis of alkyl benzenes. The possibility of the use of aluminum for the synthesis of ketones has hitherto not been investigated. The synthesis was proceeded from benzene and benzoyl chloride, according to the scheme

$$\text{C}_6\text{H}_6 + \text{C}_6\text{H}_5\text{COCl} \xrightarrow{\text{Al} + \text{HCl}} \text{C}_6\text{H}_5\text{CO C}_6\text{H}_5 + \text{HCl}$$

The benzophenone yield (with a molar ratio $\text{C}_6\text{H}_6:\text{C}_6\text{H}_5\text{COCl}=4:1$) was 71 % of the value theoretically found. The synthesis was carried out at room temperature, higher temperatures caused a decrease in the yield. In this process, substances with higher boiling points formed, which were not investigated. Thus aluminum, in its metallic form, can be used for the synthesis

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The Synthesis of Benzophenone in the Presence of
Metallic Aluminum According to Radziewanowski

SOV/156-59-1-32/54

of aromatic ketones. It has the advantage over aluminum chloride of not being hygroscopic, and of being a very active and most economical catalyst. The experimental results are listed in tables. The example of a laboratory operation is given in detail. There are 2 tables and 4 references, 3 of which are Soviet.

ASSOCIATION: Kafedra organicheskoy khimii Leningradskogo gosudarstvennogo universiteta (Chair of Organic Chemistry of Leningrad State University)

SUBMITTED: September 8, 1958

Card 2/2

GOROVAYA, R.A.; DEDOV, V.F.; DOLGOV, A.N.; LEVINA, M.V.; SLUCHEVSKIY, F.I.

Clinical statistical analysis of patients registered in a
district neuropsychiatric dispensary with the diagnosis of
organic brain lesions. Vop. psikh. nevr. no.10:410-418 '64.
(MIRA 18:12)

DOLGOV A.N.

AUTHOR: P. Z. Yevseyev, A. A., Engineer

SOV/ 105-58-7-21/32

TITLE: Conference on Developmental Problems of the Production of Transformers in the USSR (Soveshchaniye po voprosam razvitiya otechestvennogo transformatorostroyeniya)

PERIODICAL: Elektrichestvo, 1958, Nr 7, pp. 82 - 83 (USSR)

ABSTRACT: The conference took place from March 5th to March 6th, 1958, in Moscow. It was called by State Scientific Technical Committee Attached to the Council of Ministers of the USSR (Gosudarstvennyy nauchno-tekhnicheskiy komitet Soveta Ministrov SSSR) together with the Gosplan USSR (Gosplan SSSR). This conference was attended by: scientists and engineers from Moscow, Leningrad, Kiyev, Khar'kov, Sverdlovsk, Alma-Ata, and other cities, representatives of the Sovnarkhozes, the Technical Office Attached to the Ministry of Electric Power Plants, of the Building Authorities RSFSR, of the Gosstroy USSR, of the Committee of Standards, of the Electric Installation Organisations, and by the co-workers of the transformer works Moscow, Zaporozh'ye, "Uralelektroapparat", Armelektrozavod, as well as by the All Union Scientific Research-and Planning Institutes VEI, VTI, GIDEP, VNIChermet, VNIIE, MEI and

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Conference on the Developmental Problems of the
Production of Transformers in the USSR

SOV/105-58-7-21/32

others. The representatives of organisations which have transformers in operation were invited as well. Professor I.A. Syromyatnikov (GNTK SSSR) opened the conference and pointed out the shortcomings and objectives in the production of transformers. The Deputy Chief Constructor A.M. Chertin, Moscow Transformer Works imeni Kuybyshev (Moskovskiy transformatornyy zavod im. Kuybysheva) reported on the working out of plans for the new series of the 110 kW transformers in the case of which the total losses are lower by 30%, and the idling losses by 40% - 50%, compared with the GOST 401-41. In 1959 these transformers will be put in operation to a large degree. Chief Engineer I.A. Antonov, Zaporozh'ye Transformer Works (Zaporozhskiy transformatornyy zavod) reported on the new series of transformers with a power of 560 - 5600 kVA at 10 and 35 kV, 7,5 - 31,5 MVA at 35 kV, 90 - 240 MVA at 110 kV, 90 - 240 MVA at 220 kV, 15 - 60 MVA at 150 kV and on the series of autotransformers 220/110/HH with 120 - 300 MVA for monophasic units and 180 - 450 MVA for three-phase units. Chief Engineer A.N. Dolgov (Trust "Tsentronelektroset'stroy" MES) spoke about practical experience gained in assembling transformers and autotransformers with high power

Card 2/8

3

Conference on the Developmental Problems of the
Production of Transformers in the USSR

30V105-58-7-21/32

and voltage and about the shortcomings in the assembling which are due to the manufacturers. S.A. Gorodetskiy (Glavelektromontazh MS RSFSR) spoke about the abolition of the revision of the removable part of the autotransformers at the assembling site, and about several constructive changes in power transformers and about the measures necessary for a mass connection of the transformers without drying. A. M. Sarkisyan (Glavsel'elektro MSKh SSSR) spoke about the electrification on the open country and the demand of open country districts on the electrical industry. K.A. Yegikyan (Armelelektrozavod) reported on new transformer constructions. Ya.L. Fishler (chief of the construction office in the works "Tral-elektroapparat") also reported on transformer constructions. The conference found serious shortcomings in the organization of scientific research work and a lack of engineers and designers.

1. Transformers--Development
2. Transformers--Production
3. Conference

Card 3/3

RIBIKIN, Boris Pavlovich; DEMKOV, Ye.D., red.; DOLGOV, A.N., red.;
YEREMKOV, V.V., red.; SMIRNOV, A.D., red.; USTINOV, P.I., red.;
FAYERMAN, A.L., red.; LARIONOV, G.Ye., tekhn.red.

[Concealed electric wiring] Skrytye elektroprovodki. Moskva,
Gos.energ.izd-vo, 1959. 38 p. (Biblioteka elektromontera, no.9).
(MIRA 13:6)

(Electric wiring)

KARPOV, Fedor Fedorovich; DRMKOV, Ye.D., red.; DOLGOV, A.N., red.;
YEZHKOV, V.V., red.; SMIRNOV, A.D., red.; USTINOV, P.I., red.;
LARIQNOV, G.Ye., tekhn.red.

[How to select the correct diameter of wires and cables]
Kak vybrat' sechenie provodov i kabelei. Moskva, Gos.energ.
izd-vo, 1959. 47 p. (Biblioteka elektromontera, no.1)
(MIRA 13:1)

(Electric conductors)

SEVAST'YANOV, Mitrofan Ivanovich; VASIL'YEV, A.A. , red.; DOLGOV, A.N.,
red.; YEZHKOVA, V.V., red.; SMIRNOV, A.D., red.; USTINOV, P.I.,
red.; TUMANOV, B.V., red.; VORONIN, K.P., tekhn.red.

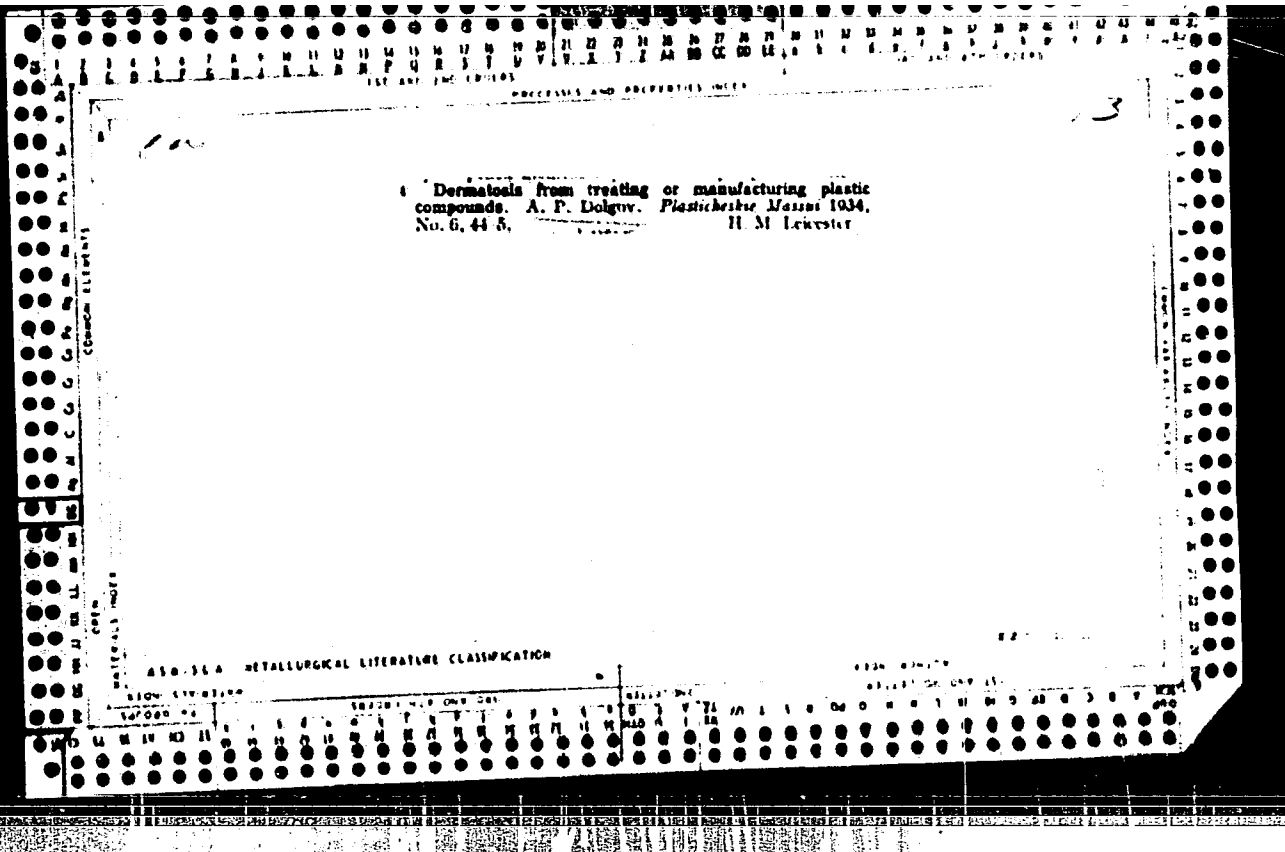
[Safety engineering in performing rigging operations in the
installation of electric systems] Tekhnika bezopasnosti pri
proizvodstve takelazhnykh rabot na montazhe energeticheskikh
ustanovok. Moskva, Gos.energ.izd-vo, 1960. 55 p. (Biblioteka
elektromontazha, no.34) (MIRA 14:4)
(Electric engineering--Safety measures)

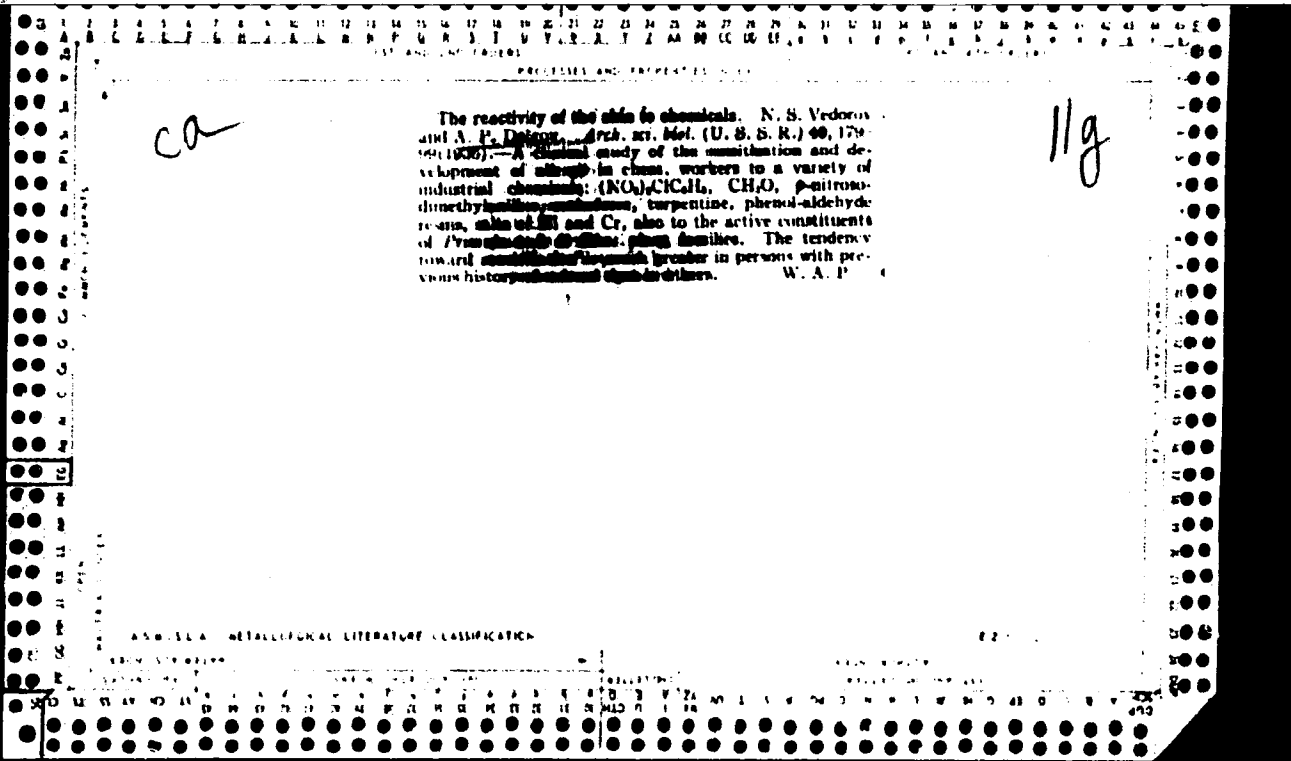
DOLGOV, A.N., kand. tekhn. nauk; KAPPER, O.G., prof.; IL'IN, A.N., inzh.

Chemical methods of weed control in roadside planting. Avt.
dor. 27 no.8:26 Ag '64. (MIRA 17:12)

DOLGOV, A.P., prof. (Moskva)

Tasks of dermatologists in the vigorous growth of the chemical
industry. Vest. dermat. i ven. 38 no.8:3-6 Ag '64.
(MIRA 18:8)





DOLGOV, A. P. (Prof)

"The Problems of Occupational Dermatoses and Pyoderma" Vest. Venerol.
i Dermatol., No 2, 1948,

DOLOGOV, A. P.

USSR/Medicine - Progress
Medicine - Dermato-Venerology
Mar/Apr 49

PA 47/49775

"Short Review of the Work of the Dermatological Department, Institute of Labor Hygiene and Industrial Diseases, for 25 Years, "Prof A. P. Dolgov, Dermatol Dept, Inst of Labor Hygiene and Ind Diseases, Acad Med Sci USSR, 2 pp

"Vest Venerol i Dermatol" No 2, pp 50-51.

Describes activities of Inst Iment Obukh, founded in 1923, which was the forerunner of a number of institutes similar to subject institute. Studies of various methods to determine changes in skin

47/49775

USSR/Medicine - Progress (Contd) Mar/Apr 49

reactivity showed these methods were not satisfactory. New method was developed to determine the change in skin sensitivity to chemical substances. Mentions Vedrov's drop method to test skin reactivity. Dir, Dermatol Dept, Inst of Labor Hygiene and Ind Diseases:-A. A. Letavet, Corr Mem, Acad Sci USSR

47/49775

CA

13

Classification of chemical substances, used in industry, according to their action on the skin. A. P. Hudgoc. *Vestnik Dermat. i Dermatol.* 1949, No. 6, p. 12. The classification is: (I) definite irritants, such as mineral acids, strong alkali; (II) sensitizers, such as dinitrochlorobenzene, turpentine; (III) substances with combined effects of I and II, such as the dichromates; (IV) petroleum hydrocarbons, which act principally as inducers of dermatitis; (V) substances which are without action on the skin but penetrate it readily and cause toxic effects within the organism; PhNH₂ belongs to this group. G. M. Kuznetsov

DOLGOV, A. P.

"Prophylaxis against Pyoderma in Factories" Fel'dsher i Akusher.,
No 10, 1949

STUDNITSIN, A. A., and DOLGOV, A. P.

A short plenary session of the Committee of Scientists of the Department of Combating Skin and Venereal Diseases of the Ministry of Health of the USSR., Vest. ven. i derm., no 1, 1952.

DOLGOV, A.P., professor.

Toxic melanoderma. Vest.ven.i dermat. no.4:18-23 JI-ag '53. (MLRA 6:9)
(Skin--Diseases)

DOLGOV, A.P.

POBEDINSKIY, M.N., professor, redaktor; KOZHEVNIKOV, V.P., professor,
redaktor; KISHLIV, P.H., professor, redaktor; DOLOV, A.P.,
redaktor; MARGULIS, U.Ya., redaktor; BEL'CHIKOVA, Yu.S.,
tekhnicheskiy redaktor.

[Use of radioactive phosphorus in the treatment of skin diseases]

Primenenie radioaktivnogo fosfora dlia lechenia kozhnykh zabo-
levanii. Moskva, Gos.isd-vo meditsinskoj lit-ry, 1955. 171 p.

(MLRA 8:10)

1. Chlen-korrespondent AMN SSSR (for Koshevnikov).
(PHOSPHORUS--THERAPEUTIC USE) (SKIN--DISEASES)

DOLGOV, A.P., professor

Principles and prospects of effective treatment of occupational
dermatitis and eczema. Vest.ven i derm. 30 no.2:)-6 Mr-Ap '56.

(OCCUPATIONAL DISEASES

(MIRA 9:7)

dermatitis, contact, ther.)

(DERMATITIS, CONTACT

occup., ther.)

DOLGOV, A.P.; SOLOV'YEVA, L.V.

Clinical aspects and prevention of occupational skin diseases caused
by thiphen. Apt.delo 6 no.6:35-38 N-D '57. (MIRA 10:12)

1. Iz dermatologicheskogo otdeleniya Instituta gigiyeny truda i
profsabolevaniy AMN SSSR (dir. - daystvitel'nyy chlen AMN SSSR
prof. A.A.Ietavet)

(ACETIC ACID--TOXICOLOGY) (SKIN--DISEASES)

ДОЛГОЙ, А.Ф. - prof. (Moskva)

Basic problems in the prevention of contact dermatosis in the chemical industry. Sov. med. 21 no.7:9-14 J1 '57. (MIRA 12:3)
(DERMATITIS, CONTACT, prev. & control)

DOIGOV, A.P., professor; SMELOV, N.S., professor

Professor V.V.Ivanov; on the 25th anniversary of his death. Vest.
denn. i ven. 31 no.1:46-47 Ja-F '57. (MLRA 10:7)
(IVANOV, VLADIMIR VIADIMIROVICH, 1873-1931)

DOLGOV, A.P.

DOLGOV, A.P., prof.

Achievements of Russian dermatologists in the study and prevention of industrial dermatosis in the last 40 years. Vest.derm. i ven.

31 no.5:19-23.8-0 '57.

(MIRA 10:12)

(DERMATITIS, CONTACT, prev. and control
in indust. in Russia)

(INDUSTRIAL HYGIENE

prev. of industrial dermatitis in Russia)

DOLGOV, A.P.

~~.....~~
"Penicillin therapy in syphilis" by A.A.Stuinitzin. Reviewed
by A.P.Dolgov. Vest.derm. i ven. 33 no.3:81-82 My-Je '59.
(MIRA 12:9)

(PENICILLIN) (SYPHILIS) (STUDNITSIN, A.A.)

SOLOV'YEVA, Lyudmila Vladimirovna, kand. med. nauk [deceased];
DOLGOV, A.P., red.; MIRONOVA, A.M., tekhn. red.

[Prevention of suppurative skin diseases in agriculture and
industry] Profilaktika gnoinichkovykh zabolevanii khozhi v
sel'skom khoziaistve i na proizvodstve. Moskva, Medgiz, 1961.
53 p. (MIRA 15:2)

(AGRICULTURAL WORKERS—DISEASES AND HYGIENE)
(SKIN—DISEASES) (INDUSTRIAL HYGIENE)

DOLGOV, Arseniy Petrovich; SOLOV'YEVA, Lyudmila Vladimirovna;
ASTVATSATUROV, K.R., red.; POGOSKINA, M.V., tekhn. red.

[Industrial medical expertise on skin diseases] Vrachebno-
trudovaia ekspertiza zabolevanii kozhi. Moskva, Medgiz,
1961. 297 p. (MIRA 15:7)
(SKIN--DISEASES) (MEDICINE, INDUSTRIAL)

STUDNITSIN, A.A., prof.; DOLGOV, A.P., prof.

Tasks in the control of occupational diseases in the U.S.S.R.
Vest.derm.i ven. 35 no.3:3-7 Mr '61. (MIRA 14:4)
(SKIN--DISEASES) (OCCUPATIONAL DISEASES)

DOLGOV, A.P.

Professor Vladimir Ivanovich Sukharev; his 70th birthday and
his 46th year of scientific, medical, and public activities.
Vest.derm.i ven. no.1:93-94 '62. (MIRA 15:1)
(SUKHAREV, VLADIMIR IVANOVICH, 1892-)

DOLGOV, A.P.; BRUYEVICH, T.S.; ANTON'YEV, A.A. (Moskva)

First All-Union Symposium on Urgent Problems concerning Occupational Dermatology. Gig. truda i prof. zab. 7 no.1:56-58 Ja'63
(MIRA 16:12)

DOLGOV, A.P., prof.

Review of the collection of scientific papers "Present
problems of dermatology and venereology". Vest. dermat. i
ven. 37 no.1:85-86 Ja'63. MIRA 16:10)
(DERMATOLOGY) (VENEREOLOGY)

DOLGOV, A.P., prof., red.; RABEN , A.S., doktor med. nauk, red.;
ANTON'YEV, A.A., dots., red.; BRUYEVICH, T.S., kand. med.
nauk, red.; LETAVET, A.A., prof., red.; RAKHMANOV, V.A.,
prof., red.; STUDNITSIN, A.A., prof., red.

[Current problems of occupational dermatology] Aktual'nye
voprosy professional'noi dermatologii. Moskva, Meditsina,
1965. 246 p. (MIRA 18:4)

1. Deystvitel'nyy chlen AMN SSSR (for Letavet). 2. Chlen-
korrespondent AMN SSSR (for Rakhmanov). 3. Dermatologicheskoye
otdeleniye Instituta gigiyeny truda i profzabolevaniy AMN SSSR
(for Dolgov, Anton'yev, Bruyevich, Raben).

1. DOLGOV, A. S.
2. USSR (600)
4. Hazel
7. Observance of an experience with the hazelnut tree. Est. v. shkole no. 1 1953.

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

DOIGOV, A.S., uchitel'

Socially useful work of students of seven-year schools. Biol.v
shkole no.5:71-72 S-0 '59. (MIRA 13:8)

1. Zakhar'inskaya semiletnyaya shkola Ivanovskogo rayona Ivanovskoy
oblasti.

(Student activities)

(Agriculture)

DOLGOV, A.S., direktor.

Growing beans (*Phaseolus*) in Ivanovo Province. Ent.v shkole no.5:80-83
S-0 '53. (MLRA 6:8)

1. Zakhar'inskaya semiletnyaya shkola Ivanovskogo raiona Ivanovskoy oblasti.
(Ivanovo Province--Beans) (Beans--Ivanovo Province)

DOLGOV, A.S., uchitel'

Experiments and observations on filbert. Biol. v shkole
no.3:65-66 My-Je '61. (MIRA 14:7)

1. Zakhar'inskaya vos'miletnyaya shkola Ivanovskogo rayona
Ivanovskoy oblasti.

(Filbert)

L 8216-66 EWT(1)/EWA(m)-2 IJP(c) AT

ACC NR: AP5024690

SOURCE CODE: UR7(056765/049/003/0734/0742)

AUTHOR: ^{44,55} Pivovarov, L. I.; ^{44,55} Novikov, M. T.; ^{44,55} Dolgov, A. S.

69
63
B

ORG: ^{44,55} Physicotechnical Institute, Academy of Sciences URSR (Fiziko)-tekhnicheskiy institut Akademii nauk Ukrainy SSR

TITLE: Deep stripping and scattering of positive krypton ions in single collisions with Ne, Ar, Kr, and Xe atoms

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 49, no. 3, 1965, 734-742

TOPIC TAGS: ^{21,44,55} krypton, neon, argon, xenon, ^{21,44,55} ion interaction, electron interaction, differential cross section, integral cross section, electron capture, nuclear shell model, electron loss

ABSTRACT: The purpose of the investigation was to study ion scattering accompanied by deep stripping of electrons and to ascertain the part played by inner-shell electrons in the interaction of colliding particles. This was done (in an angle range 0 - 3°) by measuring the charge fractions in single collisions of singly-charged krypton with Ne, Ar, Kr, and Xe atoms, by measuring the differential cross sections for the scattering of the krypton ions in these gases, and by determining the partial integral cross sections for the electron loss by singly charged ions. The partial integral cross section for electron loss and capture by singly-charged krypton ions in the an-

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ACC NR: AP5024690

gle range 0--1° were measured directly. The apparatus and procedure employed were described earlier (ZhETF v. 46, 471, 1964). From the results it is concluded that the inner M-shell electrons of krypton ions participate considerably in the interaction process; moreover, it is established that the average Kr^{+} ionization energy depends on the nature of the target atom. The average ion charge for single collisions and nonzero angles is directly proportional to the ion velocity. The data obtained also make it possible to determine the integral cross sections for the loss and capture of electrons by Kr^{+} ions. Authors thank the accelerator operators K. M. Khurgin and V. G. Rubashko for help with the measurements. Orig. art. has: 3 figures and 3 formulas.

SUB CODE: NP/ SUBM DATE: 08Apr65/ ORIG REF: 006/ OTH REF: 006

Card 2/2 *RP*

I 24345-66 EWT(L) IJP(c) AT

ACC NR: AP6010973

SOURCE CODE: UR/0056/66/050/003/0537/0545

AUTHOR: Pivovar, L. I.; Novikov, M. T.; Dolgov, A. S.

5/
B

ORG. Physicotechnical Institute, Academy of Science, Ukrainian SSR (Fiziko-tehnicke-skiy institut Akademii nauk Ukrainskoy SSR)

TITLE: Differential and integral cross sections for ^{2/} electron loss and capture by fast N⁺, Ne⁺ and Ar⁺ ions

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 50, no. 3, 1966, 537-545

TOPIC TAGS: electron capture, electron loss, capture cross section, noble gas, neon, argon, nitrogen, ion, krypton, xenon, collision cross section

ABSTRACT: The charge distributions in beams of nitrogen, neon, and argon ions were measured as a function of the energy and the scattering angle in single collisions with neon, argon krypton and xenon atoms. At high energies of argon ions, L-shell electrons are found to be involved in the interaction. The total differential scattering cross sections for nitrogen, neon and argon ions were compared with the calculated differential scattering cross sections for the case of a coulomb potential with exponential screening. Results of measurement of the total cross sections for capture of one or loss of several electrons by N⁺, Ne⁺ and Ar⁺ ions in single colli-

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L 24345-65

ACC NR: AP6010973

sions with neon, argon, krypton and xenon atoms are presented. The total cross sections obtained are compared with the data of other authors.

[CS]

SUB CODE: 20/ SUBM DATE: 02Oct65/ ORIG REF: 005/ OTH REF: 004/

Card 2/2 *phk*

f 24117-65 EIA(s)-2/EWT(s)/EPF(s)/EPR/IMP(j)/T Po-4/Pr-4/Ps-4 WW/RM

ACCESSION NR: AP5002867

8/0207/64/000/005/0075/0082

AUTHORS: Dulgov, A. V. (Novosibirsk, Moscow); Malinin, N. N. (Novosibirsk, Moscow)

TITLE: On polymer creep in the glassy state

SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 5, 1964, 75-82

TOPIC TERMS: fiberglass, Volterra integral equation, creep deformation, deformation rate, amorphous polymer, elasticity/ N 700 oscilloscope

ABSTRACT: The deformation properties of amorphous fiber glass polymers were studied analytically and experimentally, using the stress-strain integral equation

$$\epsilon = \frac{\sigma}{E} + \int_0^t (1 - \sigma) \sigma(\theta) d\theta$$

This equation is subsequently modified to yield a nonlinear Volterra equation of the type

$$\epsilon = \frac{\sigma}{E} + \int_0^t K(\sigma, t - \theta) d\theta$$

The material under study was unplasticized polyvinylchloride (PVC) at T = 190, and Cord 1/3

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ACCESSION NO: AP5002867

the experiment was carried out on a programmed machine with magnetic loading. Three different methods were used to determine the "instantaneous" elasticity $F(\sigma) = \sigma/3$, and all three gave the same value for the modulus E. The creep deformation $\epsilon(t)$ versus t curves were plotted logarithmically with the empirical result $\epsilon(t) = A_1 t^n$, where A_1 and n are functions of the stress σ . This leads to the following expression for the kernel in the integral equation ϵ :

$$k = \frac{1}{3} + \int_0^t \frac{f_1(\sigma)}{(t-\sigma)^{1/3}} d\sigma.$$

Experimental determination of $f_1(\sigma)$ leads to a value given by $A_2 \text{sh } \sigma/\sigma_0$, where $A_2 = 1.64 \times 10^5$ and $\sigma_0 = 1.086 \text{ kg/mm}^2$. Curves were also obtained depicting ϵ versus t where the load was increased in steps. For this purpose, the integral equation is written as a summation, and the calculated results agreed with the data points very favorably. A cyclic load-unload type deformation-time curve showed that under load-on conditions the creep deformation increases, whereas, for no-load conditions, it decreases. Orig. art. has: 14 formulas and 8 figures.

ASSOCIATION: none

Card 2/3

L 24117-65

ACCESSION NR: AF5002867

0

SUBMITTED: 10 Jun 64

ENCL: 00

SUB CODE: HT, UC

NO REP SOV: 014

OTHER: 012

Card 3/3

DOIGOV, A.Ya., inzh.

Improving work organization in a junction station. Put' i put.khos.
6 no.5:16-17 '62. (MIRA 15:4)

1. Zamestitel' nachal'nika distantsii puti, st. Murom, Gor'kovskoy
dorogi.

(Railroads--Maintenance and repair)

DOLGOV, A. Ye.

"Hexachloran" in controlling the larvae of the polyphyla fullo. vin. SSSR no 4, 1952.

DOLGOV, B. N.

DECEASED

1963/1

c. 1962

CHEMISTRY

see JIC

SELYAKH, I.V.; DOLOVOV, B.N.

Effect of the structure of aliphatic ketones on the rate
of their catalytic hydrogenation to secondary alcohols.
Zhur.prikl.khim., 33 no.9:2034-2038 8 '65.

(MIRA 18:11)

SELYAKH, I.V.; DOLGOV, B.N.

Effect of a medium on the rate of hydrogenation of aliphatic
ketones. Zhur. prikl. khim. 38 no. 10:2374-2377 1965.
(MIRA 16:12)

DOLGOV, B. S.

Dolgov, B. S.

"The Development of Methods of Crossing Oil-Seed Flax for Purposes of Selection and Seed-Raising." All-Union Order of Labor Red Banner Selection and Genetics Institute T. D. Lysenko. Odessa, 1955 (Dissertation for the degree of Candidate in Agricultural Sciences)

SO: Knizhnaya letopis' No. 27, 2 July 1955

AKSENOV, V.V., kand. tekhn. nauk; SHAL'KOV, A.V., inzh.; DOLGOV, E.P., inzh.; KAMNEVA, T.N., red.; GERASIMOV, V.F., tekhnolog-red.

[New electric devices for studying mining machines] Novye elektricheskie pribory dlia issledovaniia gorn'nykh mashin; kratkii nauchnyi otchet. Moskva, In-t gornogo dela, 1963. 41 p. (MIRA 16:10)

(Mining machinery--Testing)
(Electric apparatus and appliances)

DCLGOV, F. F.

"Investigation of the Process of Spontaneous Contraction and Elastic Aftereffect of Stretched Rubber." Sub 13 Nov 51, Military Academy of Chemical Defense imeni K. Ye. Voroshilov

Dissertations presented for science and engineering degrees in Moscow during 1951.

SC: Sum. No. 480, 9 May 55

Preparation of chemical wire for use with hydrofluoric acid. K. V. Zhuravov and I. P. Dolgikh, *Kosmos* No. 21, 375 (1957). For work with cold air tubes, when no valves or pressed connections are required, "plastimate" is recommended, which is a mixt. of 100 parts polyethylene (mol. wt. ~ 15,000) with 70 parts of paraffin, heated at 85-90°. W. M. Sternberg

3
4E4J
4E3D

MT

Soviet. P. Khim. Chem., 195 USSR

L 12965-63

EWP(j)/EPF(c)/EWT(m)/BDS AFFTC/ASD Pc-4/Fr-4 RM/WK

ACCESSION NR: AP3000394

S/0191/63/000/005/0007/0010

72
70

AUTHOR: Zarubin, G. G.; Rubtsova, I. K.; Smirnov, M. I.; Pertsov, L. D.; Dolgov, P. F.; Kokorev, V. V.; Zhilina, R. E.

TITLE: Use of alkylarylphosphates for plasticizing polyvinylchloride

SOURCE: Plasticheskiye massy, no. 5, 1963, 7-10

TOPIC TAGS: alkylarylphosphates, polyvinylchloride, plasticizers, esters, calendar method, sodium salts

ABSTRACT: The plasticizing qualities of DAFF (mixed ester of phenylphosphoric acid and 2-ethylhexyl alcohol), prepared by a technique developed at NII PM from phenol, phosphoryl chloride, and 2-ethylhexyl alcohol, are compared to those of several other esters of phosphoric acid obtained in normal C sub 7 - C sub 9 alcohols and C sub 6 - C sub 8 isoalcohols and with the widely used plasticizers tricresylphosphate (TCP) and dibutylphthalate (DBP). The dialkylphenylphosphates are recommended as substitutes for the two latter plasticizers for obtaining soft fire- and frost-resistant polyvinylchloride plastics suitable for fabric base preparation by the calendar method. DAFF and the dialkylphosphates were superior in frost-resistance to DBP and TCP; they were more fire-resistant than DBP, but less so than TCP. The physico-mechanical properties of the individual dialkylphenylphosphates were
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L 12965-63
ACCESSION NR: AP3000394

net markedly different, though plasticizers containing a larger number of aryl groups yielded plastics which were less flammable but which had poorer frost-resistance. Increasing the amount of plasticizer used reduced the toughness of the resultant plastic by about 50%, but increased its frost-resistance. Lowering treatment temperature from 140 to 120C also decreased toughness. The presence of up to 50% sodium salts in DAFF had little effect on plasticizing conditions; larger amounts reduced plasticizer-polyvinyl-chloride compatibility and reduced the toughness and frost-resistance of the resultant plastic. Orig. art. has: 4 figures, 5 formulas, 2 tables. 2

ASSOCIATION: none

SUBMITTED: 00

DATE ACQ: 10Jun63

ENCL: 00

SUB CODE: MA

NO REF SOV: 002

OTHER: 009

Card 2/2

Dolgov, F.G.

AUTHOR: Dolgov, F.G. and Murashev, A.I. 11-8-9/14

TITLE: Galenite in Paleozoic Carbonate Rocks in the North of the Krasnoyarsk Kray (Galenit v karbonatnykh porodakh paleozoya na severe Krasnoyarskogo kraya)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Seriya Geologicheskaya, 1957, # 8, p 93-95 (USSR)

ABSTRACT: In 1949, in the northern part of the Krasnoyarskiy kray galenite was discovered in carbonate rocks of the Paleozoic age. The area of lead mineralization is characterized mainly by sediments of the Silurian, Permian and Triassic ages interstratified with layer intrusions of traprocks. The mineralization of galenite occurs in 3 forms: streaks, filling up of cavities and cavernes, and phenocrysts. The thickness of the ore-bearing horizon varies from 20 to 25 m. It is composed of arenaceous-argillaceous and carbonate rocks. Lead mineralization is observed mainly in the carbonate rocks. Four mineralized layers were discovered in the area, which can be traced without interruptions for 5 to 6 km with an average thickness of 2 to 2.5 m. The area of lead mineralization was not exactly established but amounts to tens of square km. The phenocryst type of mineralization is the

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11-8-9/14

Galenite in Paleozoic Carbonate Rocks in the North of the Krasnoyarsk Kray

most widely spread. Ore mineral is mainly galenite and very seldom chalcopyrite, sphalerite and pyrite. It is presumed that origination of galenite and other minerals occurred from circulating solutions and not simultaneously with the formation of the surrounding rocks.

ASSOCIATION: USSR Ministry of Non-Ferrous Metallurgy, Irkutsk Scientific Research Institute (Ministerstvo tsvetnoy metallurgii SSSR, Irkutskiy nauchno-issledovatel'skiy institut)

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(Irkutsk Province--Titanium)
(Irkutsk Province--Bauxite)

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