

ULITSKIY, L.

Let's use all hidden potentialities in order to increase labor  
productivity in the coke by-product industry. Sots. trud. no.6:  
29-36 Je '58. (MIRA 11:6)  
(Coke industry--By-products)

ULITSKIY, Lazar' Ioakhimovich; DREMAYLO, P.G., otv.red.; OSVAL'D, E.Ya.,  
red.izd-va; MADEINSKAYA, A.A., tekhn.red.; LOMILINA, L.N.,  
tekhn.red.

[Aspects of coal preparation economics]. Voprosy ekonomiki obo-  
gashchenia uglei. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po  
gornomu delu, 1960. 210 p. (MIRA 14:2)  
(Coal preparation)

ULITSKIY, L.I., doktor ekon.nauk

Relationship between the effectiveness of concentration and  
the optimum ash content of charges and of coke. Koks i khim.  
no.5:53-58 '60. (MIRA 13:7)

1. Moskovskiy gosudarstvennyy ekonomicheskiy institut.  
(Coal preparation) (Coke)

ULITSKIY, LAZAR' IOAKHIMOVICH

Voprosy Ekonomiki Koksokhimiicheskoy Promyshlennosti SSSR. Moskva,  
Metallurgizdat, 1960.  
324 p. Charts, graphs, tables.  
Includes Bibliographies

GAL'PERIN, V.M.; KAPLINSKAYA, E.Z.; PAITA, R.S.; ULITSKIY, L.I.

Trends in the development of gas supply and distribution in  
Siberia. Gaz.prom. 4 no.5:20-26 My '59. (MIRA 12:7)  
(Siberia--Gas distribution)

ULITSKIY, L.I., doktor ekon.nauk; BUNIMOVICH, V.A., kand.ekon.nauk

~~Methods of calculating cost of coking products. Koks i khim. no.10:~~  
51-54 '58. (MIRA 11:11)

1. Moskovskiy gosudarstvennyy ekonomicheskiy institut.  
(Coke industry--Costs)

ULITSKIY, L.I.

AUTHOR: Ulitskiy, L.I., Doctor of Economic Sciences 68-11-9/11

TITLE: The Development of the Coking Industry in the USSR and the Main Capitalist Countries During the Last Forty Years  
(Koksokhimicheskaya promyshlennost' SSSR i osnovnykh kapitalisticheskikh stran za 40 let)

PERIODICAL: Koks i Khimiya, 1957, No.11, pp. 48 - 51 (USSR)

ABSTRACT: A comparison of the rate of development of the coking industry in the USSR, USA, England and Germany during the last forty years is given. There are 4 tables.

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ULITSKIY, L.I.



ULITSKIY, Lazar' Ioakhimovich; TSUKERNIK, A.L., red. [deceased]; KHUTORSKAYA,  
Ye.S., red.izd-va; BEKKER, O.G., tekhn.red.

[Economic aspects of the by-product coke industry of the U.S.S.R.]  
Voprosy ekonomiki koksokhimicheskoi promyshlennosti SSSR. Moskva.  
Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii,  
1960. 324 p. (MIRA 13:5)

(Coke industry)

BERRI, L.Ya., doktor ekon. nauk, prof.; MAKSIMOV, I.S.; BRAGINSKIY,  
B.I., kand. ekon. nauk, dots.; GERASHCHENKO, B.S., kand.  
ekon. nauk; GRIGOR'YEV, A.Ye., doktor ekon. nauk, prof.;  
ITIN, L.I., doktor ekon. nauk, prof.; LOKSHIN, E.Yu., doktor  
ekon. nauk, prof.; KAMENITSER, S.Ye., doktor ekon. nauk, prof.;  
OBLOMSKIY, Ya.A., kand. ekon. nauk, dots.; SOKOLOV, B.M.,  
doktor ekon.nauk, prof.; SHASS, M.Ye., doktor ekon.nauk;  
STEPANOV, A.Ya.; ULITSKIY, L.I., doktor ekon. nauk, prof.;  
PODGORNOVA, V., red.; TROYANOVSKAYA, N., tekhn. red.

[Economics of socialist industry; textbook] Ekonomika sotsiali-  
sticheskoi promyshlennosti; uchebnik. Pod red. L.I.Itina,  
B.S.Gerashchenko. 2., dop. i perer. izd. Moskva, Gospoliz-  
dat, 1961. 775 p. (MIRA 15:10)

1. Moscow. Gosudarstvennyy ekonomicheskiy institut. 2. Zavedu-  
yushchiy kafedroy ekonomiki promyshlennosti Moskovskogo gosu-  
darstvennogo ekonomicheskogo instituta (for Itin).  
(russia—Industries)

BIRMAN, A.M.; ULITSKIY, L.I.

Certain features of return mechanisms in gas pipelines. Gaz. Prom.  
7 no.12s26-30 '62 (MIRA 1787)

BERRI, L.Ya., doktor ekon. nauk, prof.; MAKSIMOV, I.S.; BRAGINSKIY, B.I., doktor ekon. nauk; GRIGOR'YEV, A.Ye., doktor ekon. nauk, prof.; ITIN, L.I., doktor ekon. nauk, prof.; LOKSHIN, E.Yu., prof.; KAMENITSER, S.Ye., doktor ekon. nauk, prof.; OBLOMSKIY, Ya.A., kand. ekon. nauk, dots.; SHASS, M.Ye., doktor ekon.nauk, prof.; STEPANOV, A.Ya.; ULITSKIY, L.I., prof., doktor ekon. nauk; PODGORNOVA, V., red.; ~~TRIZANOVSKAYA, N.~~, tekhn. red.

[Economics of socialist industry] Ekonomika sotsialisticheskoi promyshlennosti; uchebnik. 3., dop. i perer. izd. Pod red.L.I. Itina. Moskva, Gospolitizdat, 1963. 646 p. (MIRA 16:8)

1. Moscow. Gosudarstvennyy ekonomicheskii institut. 2. Zaveduyushchiy kafedroy ekonomiki promyshlennosti Moskovskogo instituta narodnogo khozyaystva im.G.V.Plekhanova (for Itin).  
(Russia--Industry)

ULITSKIY, L.I.

Coal coking in the U.S.A. Koks i khim. no.6:57-61 '63.

(MIRA 16:9)

1. Moskovskiy gosudarstvennyy ekonomicheskij institut.  
(United States--Coke industry)

ULITSKIY, L.I.

Coal coking in Great Britain. Koks i khim. no.8:62-64 '63.  
(MIRA 16:9)  
(Great Britain--Coke industry)

ULITSKIY, L.I.

Cola coking in the German Federal Republic. Koks i khim. no.2:  
59-61 '64. (MIRA 17:4)

ULITSKIY, L.V.

KOROBTSOV, Ivan Maksimovich; BEN'KOVSKIY, Dmitriy Dmitriyevich; ULITSKIY, Leonid Vladimirovich; GAL'VEK, Grigoriy Gedeonovich; TSYMARNYY, A.K., red.; SNEKO, G.S., red. izd-vo; LAVRENOVA, N.B., tekhn. red.

[Problems in the organization and technology of ship repairing]  
Voprosy organizatsii i tekhnologii sudoremonta. Moskva, Izd-vo  
"Morskoi transport," 1958. 101 p. (MIRA 11:7)  
(Ships--Maintenance and repair)



USSR/Electricity  
Hydroelectric Stations  
Generators

Apr 49

Breakdown of a 50,000-Kilowatt Turbogenerator,  
M. S. Ulitskiy, Inger, 1 1/2 pp

55/49T39

"Elek Stants" No 4

Describes breakdown of insulation in stator coil of  
50,000 kw, 10,65±6% kv, 3,000 rpm generator in a  
Dobbas station in 1948. Gives circumstances of break-  
down: operated 3 hours with grounded phase due to  
network demand. Examination revealed defective  
workmanship. Describes future testing procedure.

55/49T39

Apr 49

USSR/Electricity (Contd)

Stresses need for conducting operating tests when  
generators are delivered, and for strengthening cer-  
tain parts during overhaul.

ULITSKIY, M. S.

55/49T39

ULITSKIY, M.S., red.; KODKIND, I.I., red.; BORUNOV, N.I., tekhn.red.

[Auxiliary equipment of electric power stations] Sobstvennye  
nuzhdy elektricheskikh stantsii; sbornik statei. Pod red. M.S.  
Ulitskogo. Moskva, Gos.energ.izd-vo, 1958. 135 p. (MIRA 13:6)

1. Gosudarstvennyy trust po organizatsii i ratsionalizatsii  
rayonnykh elektricheskikh stantsiy i setey (ORGRES) Ministerstva  
elektrostantsiy, trust, Moscow.  
(Electric power plants--Equipment and supplies)

ULITSKIY, M.S., inzh.

Changes and additions to "Electric distribution devices with voltages in excess of 1000 volts" of the new "Regulations for operating electric networks and power plants." Energetik 9 no.9:28-30 S '61. (MIRA 14:9)

(Electric power plants)

(Electric power distribution)

ULITSKIY, M.S., inzh.

Changes and additions to "Operative electrical networks and switching operations in electrical systems" of the new "Regulations for operating electric networks and power plants." Energetik 9 no.9:31-33 S '61. (MIRA 14:9)  
(Electric power plants)  
(Electric power distribution)

LINDORF, L.S.; FUFURIN, P.N.; ULITSKIY, M.S.; USTINOV, P.I.;  
ZEYLIDZON, Ye.D.; MININ, G.P.; KOTS, A.Ya.; KHAVIN, N.Z.;  
MURAVLEVA, N.V.; LIBERMAN, A.Ya.; BARANOV, B.M.; ZVENIGORODSKIY,  
I.S.; IVANOV, V.S.; IOFFE, F.Ye.; BURLAKOV, B.M.; MIRENBURG,  
L.A.; FAYERMAN, A.L., red.; BORUNOV, N.I., tekhn. red.

[Study manual on the technical operation of electric networks  
and power plants; electrical section of electric power plants  
and electric power distribution networks] Posobie dlia izuche-  
niia pravil tekhnicheskoi ekspluatatsii elektricheskikh stantsii  
i setei; elektricheskaya chast' elektrostantsii i elektricheskie  
seti. Moskva, Gosenergoizdat, 1962. 558 p. (MIRA 15:8)  
(Electric power plants--Handbooks, manuals, etc.)  
(Electric power distribution--Handbooks, manuals, etc.)

ULITSKIY, M.S., KRIKUNCHIK, A.B., LIVANOVA, O.V., MAMIKONYANTS, L.G.,  
SYROMYATNIKOV, I.A.

"Power supply systems and electric drive of auxiliaries for  
modern thermal power stations."

Report to be submitted for the 19th Biennial Session, Intl. Conf. on  
Large Electric Systems(CIGRE), Paris, France, 16-26 May '62.

KRIKUNCHIK, All-Union Scientific Research Planning Inst. of Thermoelectric  
Industry.

LIVANOVA, Central Scientific Research Elect. Engineering Lab.

MAMIKONYANTS, Central Scientific Research Inst. Min. of Electric  
Power Stations, USSR.

SYROMYATNIKOV, Power Engineering Dept., Electric Tech. and Communication,  
State Committee for Coordination of Scientific Research.

ULITSKIY, State Trust for Organization and Rationalization of Regional  
Electric Power Stations.

ULITSKIY, M.S., inzh.

Useful life of the main equipment of thermal electric power plants.  
Teploenergetika 9 no.8:39-42 Ag '62. (MIRA 15:7)

1. Gosudarstvennyy trest po organizatsii i ratsionalizatsii rayonnykh  
elektrostantsiy i setey.

ULITSKIY, M. S.

Start of warmed-up electric motors. Energetik 10 no.8:32-33  
Ag '62. (MIRA 15:10)

(Electric motors)



ULITSKIY, M.S., inzh.

Concerning L.I.Dvoskin's article "Auxiliary power supply networks  
for the self-needs of large condensing electric power plants."  
Elek. sta. 33 no.10:90-91 0 '62. (MIRA 16:1)  
(Electric power plants)

LINDORF, L.A.; FUFURIN, N.P.; ULITSKIY, M.S.; USTINOV, P.I.;  
ZEYLIDZON, Ye.D.; MININ, G.P.; KOTS, A.Ya.; KHAVIN, H.Z.;  
MURAVLEVA, N.V.; LIBERMAN, A.Ya.; BARANOV, B.M.;  
ZVENIGORODSKIY, I.S.; IVANOV, V.S.; IOFFE, F.Ye.  
[deceased]; BURLAKOV, B.M.; MIRENBURG, L.A. [deceased];  
FAYERMAN, A.L., red.

[Aid for studying engineering regulations governing the  
operation of electric power plants and networks] Posobie  
dlia izucheniia pravil tekhnicheskoi ekspluatatsii elektri-  
cheskikh stantsii i setei. Izd.2., peresmotrennoe. Mo-  
skva, Energiia, 1965. 551 p. (MIRA 18:6)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy proizvodstven-  
nyy komitet po energetike i elektrifikatsii.

ALEKSANDROV, L.A.; AKSENOVA, Z.I.; ARTEM'YEV, S.P.; AFANAS'YEV, L.L.;  
BOHSHEYN, L.A.; BURKOV, M.S.; BUYANOV, V.A.; VELIKANOV, D.P.;  
VERKHOVSKIY, I.A.; GOBERMAN, I.M.; DAVIDOVICH, L.N.; DROTEREVA,  
G.N.; ZEMSKOV, P.F.; KALABUKHOV, F.V.; KOLESNIK, P.A.; KOZHIN,  
A.P.; KRAMARENKO, G.V.; KRUIZE, I.L.; KURSHOV, A.N.; OSTROVSKIY,  
N.B.; PASHINA, S.N.; SEMIKIN, N.V.; TARANOV, A.T.; TIKHOMIROV,  
A.K.; ULITSKIY, P.S.; USHAKOV, B.P.; FILIPPOV, V.K.; CHERNYAVSKIY,  
L.M.; CHUDINOV, A.A.; SHUPLYAKOV, S.I.; TIKHOMIROV, N.H.

Petr Valerianovich Kaniovskii; obituary. Avt.transp. 37  
no.4:57 Ap '59. (MIRA 13:6)  
(Kaniovskii, Petr Valerianovich, 1881-1959)

ULITSKIY, P., inzhener.

Introducing over-all mechanization in garage operations. Avt.  
transp.34 no.3:20a-c Mr '56. (MIRA 9:7)  
(Autemobiles--Repairing)

ULITSKIY, P.

Unised resources for improving the organization of work in automotive  
transport organizations. Avt.transp.34 no.5:7-8 My '56. (MIRA 9:9)  
(Transportation, Automotive)

ULITSKIY, P.

MIZINOV, V.; ULITSKIY, P.

Reorganization of the wage structure of automotive transportation  
personnel through the utilization of hidden potentialities. Sots.  
trud. no.4:83-88 Ap '58. (MIRA 11:4)

(Transportation, Automotive) (Wages)

ULITSKIY, P.

New regulations on automobile drivers' wages. Avt. transp. 36  
no.12:25-28 D '58. (MIRA 11:12)  
(Automobile drivers)

MIZINOV, V.; ULITSKIY, P.

Regulating wages of automobile drivers. Sots.trud 4 no.3:50-54  
Mr '59. (MIRA 12:4)

(Wages) (Automobile drivers)



ULITSKIY, P.

Wages of automotive transportation workers. Sots. trud. 4 no.10:141-  
143 0 '59 (MIRA 13:3)  
(Transportation, Automotive) (Wages)

ULITSKIY, P.

New regulations on bonus system for technical specialist and  
highway transport workers. Avt. transp. 37 no.12:26-28 D '59.  
(MIRA 13:3)

(Highway transport workers) (Bonus system)

ULITSKIY, P.; CHUBUKOV, I.

Improving wages in city transportation. Sots. trud 6 no.8:  
60-65 Ag '61. (MIRA 14:8)  
(City traffic) (Wage payment systems)

VVEDENSKAYA, I., starshiy inzh.; ULITSKIY, P.

Is Comrade Sosnov right? Sots.trud 7 no.7:139-141 JI '62.

(MIRA 15:8)

1. Otdel truda i zarabotnoy platy Ivanovskogo soveta narodnogo khozyaystva (for Vvedenskaya). 2. Glavnyy inspektor po avtotransportu i shosseynym dorogam Inspektsii po transportu i svyazi Gosudarstvennogo komiteta Soveta Ministrov SSSR po voprosam truda i zarabotnoy platy (for Ulitskiy).  
(Wages—Transportation, Automotive)

ULITSKIY, P.

Eliminate deficiencies faster in the organization of work and  
wages in automobile transportation. Sots. trud 8 no.2:61-65  
F '65. (MIRA 16:2)  
(Wages—Transportation, Automotive)

ULITSKIY, P.

Eliminate shortcomings in the organization of labor and  
establishment of norms. Avt. transp. 42 no.8:3-5 Ag '64.  
(MIRA 17:10)

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S/190/61/003/009/006/016  
B:10/B101

AUTHORS: Stepukhovich, A. D., Ulitskiy, V. A.

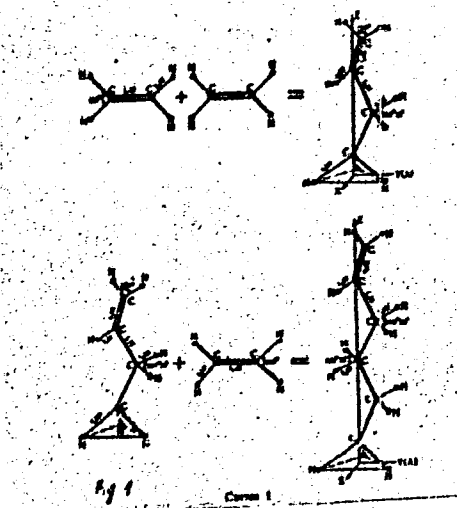
TITLE: Steric factors of radical and molecular polymerizations of ethylene and propylene

PERIODICAL: Vysokomolekulyarnyye soedineniya, v. 3, no. 9, 1961, 1341-1346

TEXT: The knowledge of steric factors in the reactions of chain growth, of transfer, and chain breaking in the radical or molecular mechanism is necessary since these factors determine the reactivity of polymer radicals in the initial stages at low activation energy of chain growth. The ratio between radical and molecular polymerization in the polymerization of ethylene (E) and propylene (P) is unknown. The conception of steric hindrance for low-molecular compounds and radicals which was developed by the first author (Ref. 4: Dokl. AN SSSR, 92: 127, 1953; Uspekhi khimii, 25, 263, 1956) might explain these relationships. According to this method, the steric factors of chain growth in radical and molecular polymerizations of E and P are calculated on the first links. The configurations  
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Steric factors of radical ...

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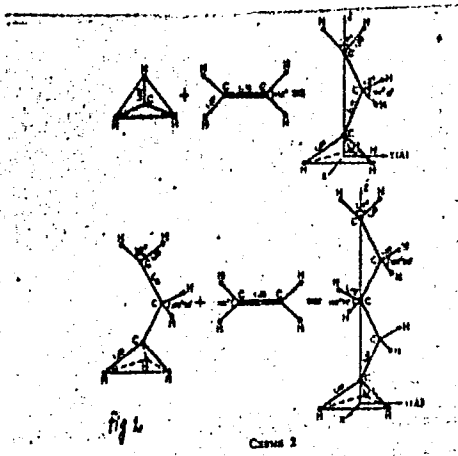


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B110/B101

Steric factors of radical ...



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B110/B101

Steric factors of radical ...

assumed in the calculations of activated complexes are based on the assumption that their structure is similar to that of the end products. X-ray analysis showed, for the end products, paraffin-like structure with stretched zigzag chain. The primary bimolecular compound for E is butene-1. To calculate the "rotational sums of states", the coordinates of atoms, reagents, and activated complexes were first calculated, then the product of principal moments of inertia was determined according to V. M. Gryaznov and A. V. Frost (Ref. 7: Statisticheskiye metody rascheta termodinamicheskikh velichin (Statistic methods of calculating thermodynamic values), M., 1959). The corresponding frequencies (Ref. 6: L. M. Sverdlov et al.: Optika i spektroskopiya, 5, 354, 1958) were substituted into the equation for the "vibrational sum of states". The steric factors were calculated from

$$s = \gamma \frac{kT}{h\nu} \cdot \frac{Q_{A...B}^{\ddagger}}{Q_A Q_B} \exp \left[ -\frac{1}{2} + T \frac{d}{dt} \ln \left( T \frac{Q_{A...B}^{\ddagger}}{Q_A Q_B} \right) \right] \quad (1).$$

Table 2 gives the factors for molecular polymerization of E and P. In radical polymerization, the factor at the beginning of growth with CH<sub>3</sub> Card 4/6

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B110/B101

Steric factors of radical ...

radicals is  $8.4 \cdot 10^{-5}$ , with addition of ethylene to the propyl radical  $8.4 \cdot 10^{-7}$ . On formation of amyl and hexyl radicals, the steric factor slightly decreases, and remains constant on further additions. Also for the lower factors of radical polymerization of P. ( $10^{-7}$ - $10^{-10}$ ) the steric factors considerably drop only in the initial stages. A comparison of the steric factors of both types of polymerization shows that, under the same conditions, radical polymerization must predominate over molecular polymerization, owing to the low activation energy of the former (4-6 kcal) as compared with that of the latter (38-40 kcal). The abrupt decrease of the high steric factor of dimerization on transition to the trimer explains the fact that in some unsaturated compounds (isobutylene etc.) molecular polymerization does not go beyond dimerization. The tendency of steric factors to become constant already after the first 3-4 links confirms the empirical assumption of an equal reactivity of polymer radicals of one monomer having different lengths. When estimating the reactivity of radicals, the steric factors in the reaction with monomers will have to be considered. This also applies to transfer and chain breaking reactions. There are 3 figures, 2 tables, and 10 Soviet references.

Card 5/6

2757:

S/190/61/003/009/006/016  
B140/B101

Steric factors of radical ...

ASSOCIATION: Saratovskiy gosudarstvennyy universitet im. N. G. Chernyshevskogo (Saratov State University imeni N. G. Chernyshevskiy)

SUBMITTED: October 24, 1960

Table 2. Steric factors of polymerization reactions of ethylene and propylene calculated from Eq. (1).

Реакция (при $\gamma = 1$ )	$\bullet 300^\circ \text{K}$	$\bullet 600^\circ \text{K}$	$\bullet 900^\circ \text{K}$
$\text{H}_2\text{C}_2 + \text{C}_2\text{H}_2 = \text{C}_4\text{H}_4$	$2 \cdot 10^{-1}$	$1,8 \cdot 10^{-2}$	$4 \cdot 10^{-3}$
$\text{C}_2\text{H}_2 + \text{C}_2\text{H}_2 = \text{C}_4\text{H}_4$	$4,7 \cdot 10^{-3}$	$4,2 \cdot 10^{-6}$	$10^{-6}$
$\text{C}_2\text{H}_4 + \text{C}_2\text{H}_2 = \text{C}_4\text{H}_6$	$4,7 \cdot 10^{-5}$	$4,2 \cdot 10^{-6}$	$10^{-6}$
$\text{C}_2\text{H}_4 + \text{C}_2\text{H}_4 = \text{C}_4\text{H}_8$	$3,3 \cdot 10^{-6}$	$3 \cdot 10^{-6}$	$0,7 \cdot 10^{-6}$
$\text{C}_2\text{H}_4 + \text{CH}_2 = \text{C}_3\text{H}_6$	$9,4 \cdot 10^{-4}$	$8,4 \cdot 10^{-5}$	$2 \cdot 10^{-5}$
$\text{C}_2\text{H}_2 + \text{C}_2\text{H}_4 = \text{C}_4\text{H}_6$	$8,4 \cdot 10^{-6}$	$8,4 \cdot 10^{-7}$	$2 \cdot 10^{-7}$
$\text{C}_2\text{H}_4 + \text{C}_2\text{H}_4 = \text{C}_4\text{H}_8$	$4,7 \cdot 10^{-6}$	$4,2 \cdot 10^{-7}$	$10^{-7}$
$\text{C}_2\text{H}_4 + \text{C}_2\text{H}_2 = \text{C}_4\text{H}_6$	$2,4 \cdot 10^{-3}$	$2,2 \cdot 10^{-7}$	$0,5 \cdot 10^{-7}$
$\text{C}_2\text{H}_2 + \text{CH}_2 = \text{C}_3\text{H}_4$	$4,7 \cdot 10^{-6}$	$4,2 \cdot 10^{-7}$	$10^{-7}$
$\text{C}_2\text{H}_2 + \text{C}_2\text{H}_2 = \text{C}_4\text{H}_4$	$9,4 \cdot 10^{-3}$	$8,4 \cdot 10^{-10}$	$2 \cdot 10^{-10}$
$\text{C}_2\text{H}_2 + \text{C}_2\text{H}_4 = \text{C}_4\text{H}_6$	$4,7 \cdot 10^{-9}$	$4,2 \cdot 10^{-10}$	$10^{-10}$

Card 6/6

S/076/61/035/011/007/013  
B110/B147

AUTHORS: Stepukhovich, A. D., and Ulitskiy, V. A.

TITLE: Steric factors of the recombination reaction, the disproportionation of radicals and of their formation from molecules

PERIODICAL: Zhurnal fizicheskoy khimii, v. 35, no. 11, 1961, 2569-2575

TEXT: The steric factors of the bimolecular reactions

- 1)  $H + H = H_2$ ,
- 2)  $H + \dot{C}H_3 = CH_4$ ,
- 3)  $H + \dot{C}_2H_5 = C_2H_6$ ,
- 4)  $H + n\text{-}\dot{C}_6H_7 = C_6H_8$ ,
- 5)  $Cl + H_2 = H + HCl$ ,
- 6)  $Br + H_2 = H + HBr$ ,
- 7)  $\dot{C}H_2 + \dot{C}H_3 = C_2H_6$ ,
- 8)  $H_2 + C_2H_4 = H + C_2H_5$ ,
- 9)  $H_2 + C_2H_2 = H + \dot{C}_2H_3$ .

(A)

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Steric factors of the ...

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B110/B147

were calculated from

$$S = \gamma \frac{kT}{h} \frac{1}{z} \frac{Q_{A...B}^*}{Q_A Q_B} \exp \left[ -\frac{1}{2} + T \frac{d}{dT} \left( \ln T \frac{Q_{A...B}^*}{Q_A Q_B} \right) \right] \quad (1),$$

where  $Q_A$ ,  $Q_B$ ,  $Q_{A...B}^*$  = total partition function of the reactants. A and B and the partition function of the activated complex A...B;  $z$  = number of collisions per particle;  $\gamma$  = non-adiabatic reaction coefficient;  $T$  = absolute temperature;  $k$  and  $h$  = Boltzmann and Planck constants, respectively.  $\gamma$  was assumed to equal unity. The calculation was related to 900°K. The geometric configurations of the particles in reactions (1)-(9) are presented in Scheme 1. The following values are shown in Table 1: diameter  $z$ ; statistical weights  $g$ ; symmetry numbers  $\sigma$ ; products of the main moments of inertia  $I_1, I_2, I_3$ , of rotation  $Q_r$ , of vibration  $Q_v$ , of translation  $Q_t$  of the partition functions, and of the values of the exponent in Eq. (1). These values were determined from the geometric configurations and vibrational spectra of the reacting particles and of the

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Steric factors of the ...

S/076/61/035/011/007/013  
B110/B147

activated complex. Steric factors calculated from Eq. (1) and from data given in Table 1 for reactions (1)-(9) are listed in Table 2. Even the steric factor of the recombination reaction of the hydrogen atom is not 1 but of the order of 0.1. The steric factor is further lowered when the trimolecular recombination of the H atoms is taken into account. When  $\text{CH}_3$  is substituted for one hydrogen atom, an abrupt decrease of the steric factor (by two orders) occurs. A continuous decrease takes place when the size of the radical is increased ( $\text{C}_2\text{H}_5$ ,  $\text{C}_3\text{H}_7$ ). When  $\text{CH}_3$  radicals are recombined, the steric factor becomes by one order lower than in the case of similar reactions involving H and  $\text{CH}_3$ . Low steric factors of the order of  $10^{-3}$  are obtained for elementary substitution reactions of Cl and Br with  $\text{H}_2$ . Considering  $S_{T_1}/S_{T_2} = (T_2/T_1)^2$  and relating the factors in Eqs. (6) and (7) to 300°K, one finds  $3 \cdot 10^{-2}$  and  $4 \cdot 10^{-2}$ , while  $8 \cdot 10^{-3}$  and  $9 \cdot 10^{-3}$  are obtained quantum-mechanically. Radical-forming reactions between  $\text{H}_2$ ,  $\text{C}_2\text{H}_2$ , and  $\text{C}_2\text{H}_4$  and the corresponding disproportionation reactions of the radicals have steric factors ranging from  $10^{-3}$  to  $10^{-4}$ . The Card 3/10

Steric factors of the ...

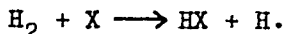
S/076/61/035/011/007/013  
B110/B147

variation of the geometrical dimensions due to the structural indefiniteness of the intermediate complex has no effect on the calculated low steric factor. The relationship between the reactivities of radical and molecular reactions which will be studied in a later paper. A paper of N. N. Semenov is mentioned. There are 9 schemes, 2 tables, and 18 references: 14 Soviet and 4 non-Soviet. The three references to English-language publications read as follows: K. U. Ingold, F. P. Lossing, J. Chem. Phys., 21, 368, 1953; E. Bauer, Ta-You Wu, J. Chem. Phys., 21, 736, 1953; J. R. Dingle, D. I. Le Roy, J. Chem. Phys., 18, 1632, 1950.

ASSOCIATION: Saratovskiy universitet im. N. G. Chernyshevskogo  
(Saratov University imeni N. G. Chernyshevskiy)

SUBMITTED: March 28, 1960

Table 1. Values of quantities necessary for the calculation of steric factors. Legend: (1) particles; (2) reactions with H atoms; (3) recombination reaction of  $\text{CH}_3$  radicals; (4) disproportionation of  $\text{H}_2$  with unsaturated hydrocarbons; (5) substitution of the type:



Card 4/10



S/076/63/037/003/018/020  
B101/B215AUTHORS: Ulitzkiy, V. A., Stepukhovich, A. D.TITLE: Steric factors and constants of the reaction rate of  
alkyl radical recombination

PERIODICAL: Zhurnal fizicheskoy khimii, v. 37, no. 3, 1963, 689-691

TEXT: An improved method of calculating the steric factors and constants of the recombination rate for  $H + R = HR$  and  $R + R = R_2$  is given, where  $R = CH_3, C_2H_5, C_3H_7, C_4H_9, CF_3$ . The transcendental equations  $r = r(j)$  and  $\partial \omega(r, j) / \partial j = 0$  were calculated with a ural-1 computer. The distance between two radicals in the activated complex is  $5 \text{ \AA}$  at most, the steric factor of recombination is  $10^{-2} - 10^{-7}$  according to the reacting radicals; it decreases as the radical becomes more complicated. Substitution of F for H reduces the steric factor considerably. The activation energies of recombinations are between 200 and 300 cal. The calculated constants of recombination rate are in good agreement with the experimental data, e. g. those by R. N. Snow and P. E. Peck (A. I. Chem. Card 1/2

Steric factors and constants of the ...

S/076/63/037/003/018/020  
B101/B215

E. J., 5, 304, 1959). There are 2 tables.

ASSOCIATION: Saratovskiy gosudarstvennyy universitet (Saratov State University)

SUBMITTED: June 13, 1962

Card 2/2

ULITSKIY, Ya.

Performance of mobile drilling and blasting stations and  
mechanized pit-working teams in the Ukraine. Avt.dor. 27  
no.1:8-9 Ja '64. (MIRA 17:4)

ULITSKIY, Ye., kandidat tekhnicheskikh nauk.

Renovation of bearing bushes of D-35 and D-54 engines. Forf.prom.33  
no.4:37 '56. (MLRA 9:9)

1.Gosudarstvennyy nauchno-issledovatel'skiy tekhnologicheskiy institut  
remonta i ekspluatatsii traktorov i sel'skokhozyystvennykh mashin.  
(Bearings (Machinery)--Repairing)

1

CA

Deposition of metallic coatings on metals, V. R. Ya.  
Lijitaki and H. R. Lazarenko U.S.S.R. 69,782, Nov.  
30, 1917. The method is that of anodic spattering. To  
improve the adhesion of deposited particles, a pulsating  
d.c. is used. M. Hosh

ULITSKIY, YE. YA.

Technology

Elektricheskie metody obrabotki v proizvodstve i ekspluatatsii instrumentov (Electrical processing methods in the production and utilization of tools). (VNII MSS SSSR).

Moskva, Mashgiz, 1950. 64 p.

Monthly List of Russian Accessions. Library of Congress. November 1952. Unclassified.

ULITSKIY, YE. YA.

Technology

Electric methods of metalworking, Moskva, Mashgiz, 1951.

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

ULITSKIY, Yevgeniy Yakovlevich.

N/5

615.9

.U3

Elektricheskiye metody obrabotki metallov (Electrical methods of working metals, by) Ye. Ya. Ulitskiy i V. S. Zamalin.

Moskva, Trudrezervizdat, 1952

157 p. illus., diags., tables.

"Literatura": p. 155-(156)



ULITSKIY, YE. YA.

(Electric methods of metalworking) Moskva, Trudrezervizdat, 195?. 157 p.  
(53-17189)

TS460.U4

1. Metal-work
2. Electric machinery.

I. Zamalin, V. S., jt.au.

ULITSKIY, Ye.Ya.; IMSHENNIK, K.P., nauchnyy redaktor; KONTSEVAYA, E.M.,  
redaktor; KRYNOCHKINA, K.V., tekhnicheskiy redaktor.

[Technological methods for economizing on high-speed steel]  
Tekhnologicheskie sposoby ekonomii bystrorezhushchei stali.  
Moskva, Vses. uchebno-pedagog. izd-vo Trudrezervizdat, 1954.  
45 p. (MIRA 7:12)

(Tool steel)

ULITSKIY, Yevgeniy Yakovlevich

[Efficient repair shop] Peredovaya remontnaia masterskaia.  
Moskva, Gos. izd-vo selkhoz lit-ry, 1955. 66 p.  
(Machine shops) (MIRA 9:3)

STERKIN, I.; ~~ULITSKIY, Ye. Ye.~~, kand. tekhn. nauk, red.; LEONOVA,  
T.S., red.; RAKITIN, I.T., tekhn. red.

[How to prolong the life of machines] Kak prodlit' zhizn'  
mashin; sbornik. Moskva, Izd-vo "Znanie," 1963. 38 p. (No-  
voe v zhizni, nauke, tekhnike. V Seria: Sel'skoe khosiai-  
stvo, no.10) (MIRA 16:5)  
(Agricultural machinery--Maintenance and repair)

YAKUSHOVA, A.F.; SYGAYEV, N.A.; GHEBYAKOV, A.A.; KONDAKOVA, L.F.;  
FILATOV, O.M.; ULITSKIY, Yu.A.; SYRNEV, I.P.

Main characteristics of the geomorphology and recent tectonics in  
the Volga-Don territory. Trudy NII neftegaza no.13:171-186 '65.  
(MIRA 18:9)

ULITSKIY, Z.

Milling Machinery.

Reconstructing a sausage grinder. *Mias. ind.* 23, no. 4, 1952.

9. Monthly List of Russian Accessions, Library of Congress, December 1953<sup>2</sup> Uncl.

1. ULITSKIY, Z.
2. USSR (600)
4. Meat, Frozen
7. Device for removing meat dumplings from plywood trays. Mias. ind. 24,  
No. 1, 1953.

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

ULITSKIY, Z.

New machine unit for skinning pigs, sheep, and goats. Mias.  
ind. SSSR 24 no.5:58-59 '53. (MLRA 6:12)

1. Voroshilovgradskiy myasokombinat.  
(Hides and skins) (Slaughtering and slaughter houses)



ULITSKIY, Z.

Ventilation in consumers' goods shops. *Mias.ind.* SSSR 25 no.6:57  
'54. (MLRA 8:1)

1. Voroshilovgradkiy myasokombinat.  
(Meat industry)

ULITSKIY, Z.

Hydraulic lifting platform. Mas.ind.SSSR 30 no.1:45 '59.  
(MIRA 12:4)

1. Luganskiy myasokombinat.  
(Hoisting machinery)

ULITSKIY, Z.

Modernization of stuffer lids and seals for them. Mias.  
ind;SSSR 31 no.5:42-43 '60. (MIRA 13:9)

1. Luganskiy myasokombinat.  
(Packing houses--Equipment and supplies)

KAZYDUB, G.; ULITSKIY, Z.

Machine for removing horns. Mias. ind. SSSR 32 no.5:41-42 '61.  
(MIRA 14:11)

1. Luganskiy myasokombinat.  
(Slaughtering and slaughterhouses--Equipment and supplies)

ULITSKIY, Z.Z. [Ulyts'kyi, Z.Z.]

Conveyer line for the processing of swine heads. Khar.prom.  
no.1:6-9 Ja-Mr '62. (MIRA 15:8)

1. Luganskiy myasokombinat.  
(Lugansk--Pork industry--Equipment and supplies)  
(Assembly-line methods)

ULIUEV, D. I.

Puterasshivshchik sistemy I.A. Golub. Rail device of the system introduced by  
I. A. Golub<sup>7</sup>. Moskva, Gos. transp. zhel-dor. izd-vo, 1947. 25 p. diagrs.  
DLC: TF 258.065

SO: SOVIET TRANSPORTATION AND COMMUNICATIONS, A BIBLIOGRAPHY, Library of Congress  
Reference Department, Washington, 1952, Unclassified.

BENETATO, Gr., acad.; TOMUS, L.; GROSU, L.; BUBUIANU, Elena; ULIUTU, M.

Studies related to the functioning mechanisms and physiological significance of the systems of chemical transmission on the level of the superior organovegetative centers. Studii cerc fiziol 4 no.4:449-465 '59. (EEAI 9:9)

1. Institutul de fiziologie normala si patologica Prof. Dr. D.Danielopolu" al Academiei R.P.R. si Catedra de fiziologie I.M.F. Bucuresti. 2. Redactor responsabil, Comitetul de redactie, Studii si cercetari de fiziologie (for Benetato)

(NERVOUS SYSTEM)  
(PERFUSION)  
(ADRENALINE)  
(ACETYLCHOLINE)  
(ARTERENOL)  
(AMINOETHYLINDOLOL)

GAVRILENKO, Yu.P.; CHEREDNICHENKO, Yu.N.; ULIZ'KO, I.S.; Primalni uchastiye:  
FAL'KEVICH, E.S.; YEGOROV, A.V.; NEKHOTSA, V.A.; REVEKKO, L.Ya.;  
VASIL'YEV, Yu.B.; MAKSIMOV, V.M.; RAYTSIN, M.A.

Obtaining intricate, thin-walled titanium parts by casting in shell  
molds. Titan i ego splavy no.9:270-273 '63. (MIRA 16:9)  
(Titanium founding)  
(Shell molding (Founding))



ULIZLO, B.M.

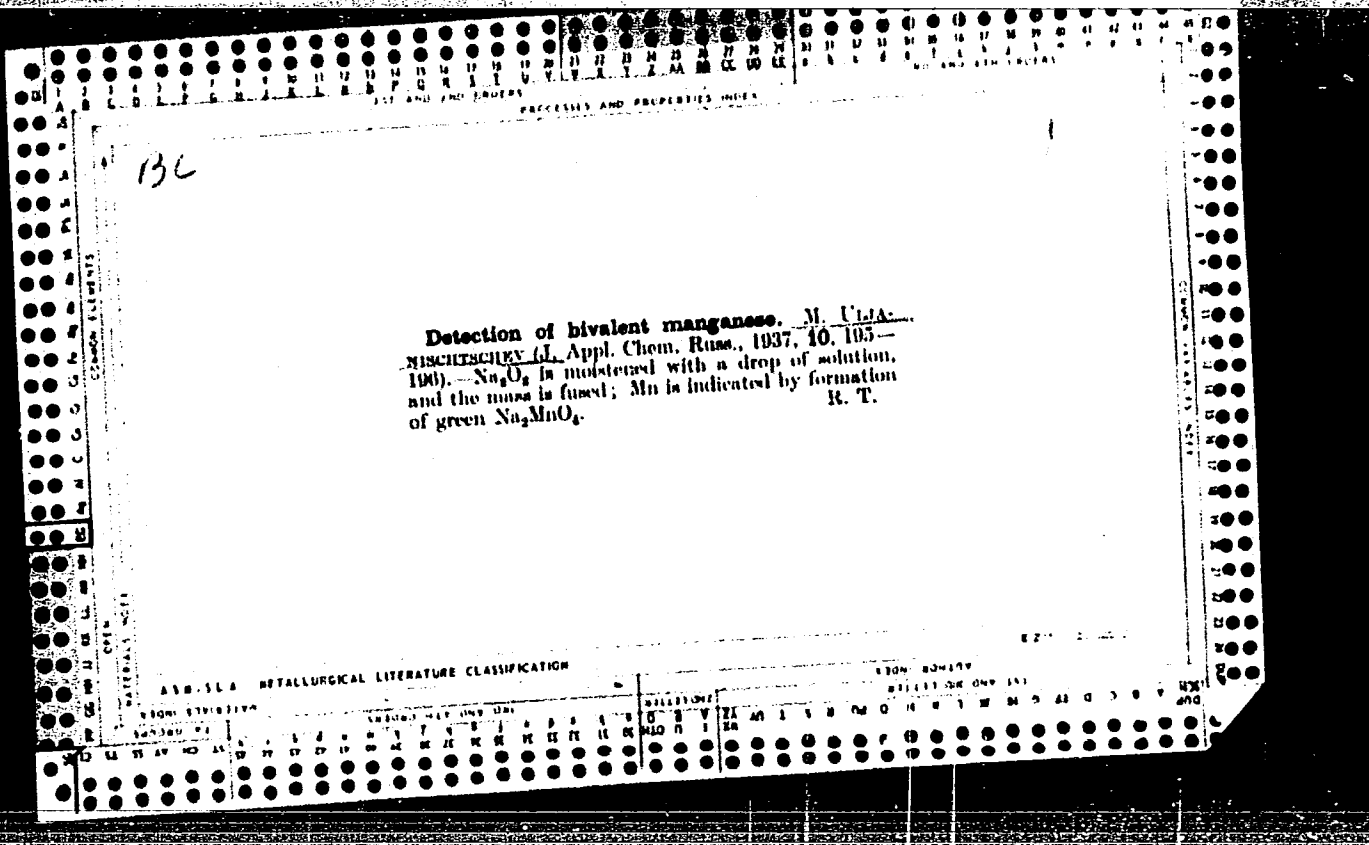
Methods of compiling paleogeological maps on the basis of field-  
geophysical test hole data. Geofiz.sbor. no.1:103-106 '62.  
(MIRA 16:3)

1. L'vovskiy filial Instituta geofiziki AN UkrSSR.  
(Geology--Maps)

GEODEKLYAN, Artem Aramovich; DENISEVICH, Vladimir Vladimirovich;  
ANTSIFYOROV, Aleksandr Ivanovich; BORSHCHEVSKIY, Gcl'dfrid  
Adol'fovich; VIKTOROV, Dmitriy Nikolayevich; NIKOLJENKO,  
Vladimir Antonovich; STROGANOV, Vladimir Aleksandrovich;  
ULIZLO, Boris Mikhaylovich; USHKO, Konstantin Aleksandrovich;  
Prinimali uchastiye: DZHIBUTI, S.S.; DOBROV, Yu.V.; KORABEL'NIKOV,  
M.A.; SAMSONOV, L.G.; SABBATOVSKIY, G.A.; CHERNYSHEVA, A.A.;  
SHNEYDER, G.F.; BROD, I.O., otv.red.; PERSHINA, Ye.G., red.izd-va;  
KOVAL'SKAYA, I.F., tekhn.red.

[Geology and oil and gas potentials of uplifts in the Balkhan  
region] Geologicheskoe stroenie i neftegazonoosnost' Pribalkhanskoi  
zony podniatii. Moskva, Izd-vo Akad.nauk SSSR, 1960. 107 p.  
(MIRA 14:2)

(Balkhan Range--Petroleum geology)  
(Balkhan Range--Gas, Natural--Geology)



PROCESSES AND PROPERTIES INDEX

8-I-4

*BC*

**Method of phosphating steel wire.** G. V. Akimov and A. Ulanov (*Chem. and Metall. U.S.S.R.*, 1948, 42, 497-499). Critical conditions of phosphating steel wire increase most rapidly with duration of treatment (start with 20-30 g. of Mn-Pe phosphate per l. of 5%, total acidity 2-3 times the free acidity) during the first 30 min. Additional resistance is produced by subsequent treatment of the film with 5% H<sub>2</sub>SO<sub>4</sub> solution for 10-20 min. at 20-30°C, and by impregnation with vasoline or lacquer. The new method developed increases the speed of the previous standard process 2-3 times, decreases the consumption of phosphating reagent 2-3 times, and reduces spalling. L. J. J.

METALLURGICAL LITERATURE CLASSIFICATION

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SA

B 62  
A

2761. Radiations Accompanying Corrosion of Metals. Part I.  
 A. A. Ullmanov. *Comptes Rendus (Doklady) de l'Acad. des Sciences, U.S.S.R.* 10, 2 pp. 222-224, 1957. *In English.*—The corrosion of Al, Mg, Pb, Cd, and Zn is accompanied by the emission of radiation of wavelengths less than 2000 Å. The intensity of this emission depends on the nature of the protective oxide film, and is proportional to the rate of corrosion. Technical applications of the phenomenon are suggested, including tests for resistance to corrosion, and of the properties of protective coverings of metals. A. J. M.

ASB-51A METALLURGICAL LITERATURE CLASSIFICATION

EXON. 13702529

INDEXED

ABSTRACT

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

1ST AND 2ND ORDERS      PROCESSES AND PROPERTIES INDEX      3RD AND 4TH ORDERS

*M*

**\*Radiations Accompanying the Corrosion of Metals.—I. A. A. Ulijanov**  
*(Dokl. Akad. Nauk S.S.S.R. (Compt. rend. Acad. Sci. U.R.S.S.), 1957, 10, (4), 213-218 (in Russian); and Compt. rend. (Doklady) Acad. Sci. U.R.S.S., 1957, [N.S.], 10, (4), 203-210 (in English)).*—Corrosion of aluminum, magnesium, lead, zinc, cadmium, and other metals is accompanied by the emission of quanta of light of  $\lambda$  3530 Å. The character of the emission depends on the nature of the metal and of the protective surface layer as well as on the conditions of corrosion. The possible application of the measurement of emission to the solution of different corrosion problems is discussed.—N. A.

COMMON ELEMENTS      VARIETIES INDEX

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117 AND 720 00000

PROCESSES AND PROPERTIES INDEX

17

*BC*

Influence of radiations during corrosion of metals on the destruction of periodic precipitates of  $Ag_2Cr_2O_7$  in gelatin. P. F. MICHALEV, A. A. ULJANOV, and F. M. SCHEMJANIN (Compt. rend. Acad. Sci. U.R.S.S., 1939, 25, 32-33).—The radiation given off in the corrosion of metals (e.g., Al and Mg activated by  $HgCl_2$ ) destroys Liesegang rings of  $Ag_2Cr_2O_7$  in gelatin. Where the rings are broken large globules of ppt. are formed. A. J. M.

COMMON ELEMENTS

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117 AND 720 00000

190 AND 4TH CROSS

1ST AND 2ND CROSS

PROCESSES AND PROPERTIES INDEX

**BC**

**a-1**

**Radiations accompanying corrosion of metals.**  
**I. A. A. ULIANOV** (Comm. Acad. Sci. U.R.S.S.,  
 1957, *Zh. Fiz. Khim.*, 31(9). The corrosion of Al, Mg, Pb,  
 Cd and Zn is accompanied by emission of radiation  
 of  $\lambda < 3000 \text{ \AA}$ . The  $\lambda$  of the radiation depends on the  
 metal and conditions of exposure. The intensity of  
 radiation or rate of corrosion can be used to  
 determine the protective properties of oxide films.  
 The cover of insoluble intermediates in Pb, Al, Zn, Cd,  
 Mg, indicating that the film on Pb is more continuous  
 and has greater protective power than that on Mg.  
 Uses of the phenomenon in industry are indicated.

A. J. M.

Common Elements

Common Variability Index

ABB-31A METALLURGICAL LITERATURE CLASSIFICATION

SECTION SYMBOLS

SECTION SYMBOLS

SECTION SYMBOLS

SECTION SYMBOLS



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

1ST AND 2ND ORDERS      3RD AND 4TH ORDERS

PROCESSES AND PROPERTIES INDEX

M

2

\*The Effect of Time of Annealing on the Solubility of Copper in Solid Aluminum. A. T. Uljanov (*Metallurgy (Metallurgist)*, 1934, (7), 93-97).—[In Russian].—N. A.

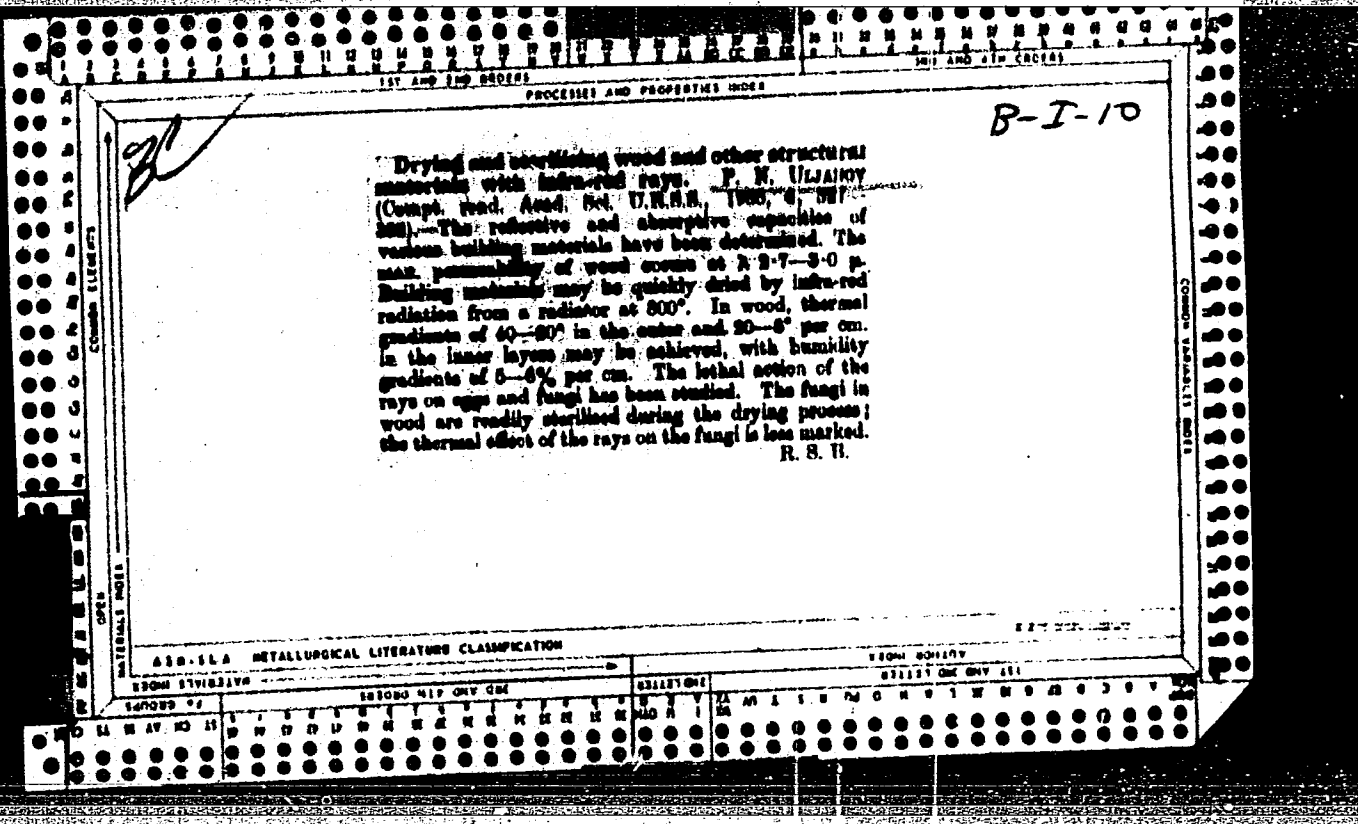
Common Elements

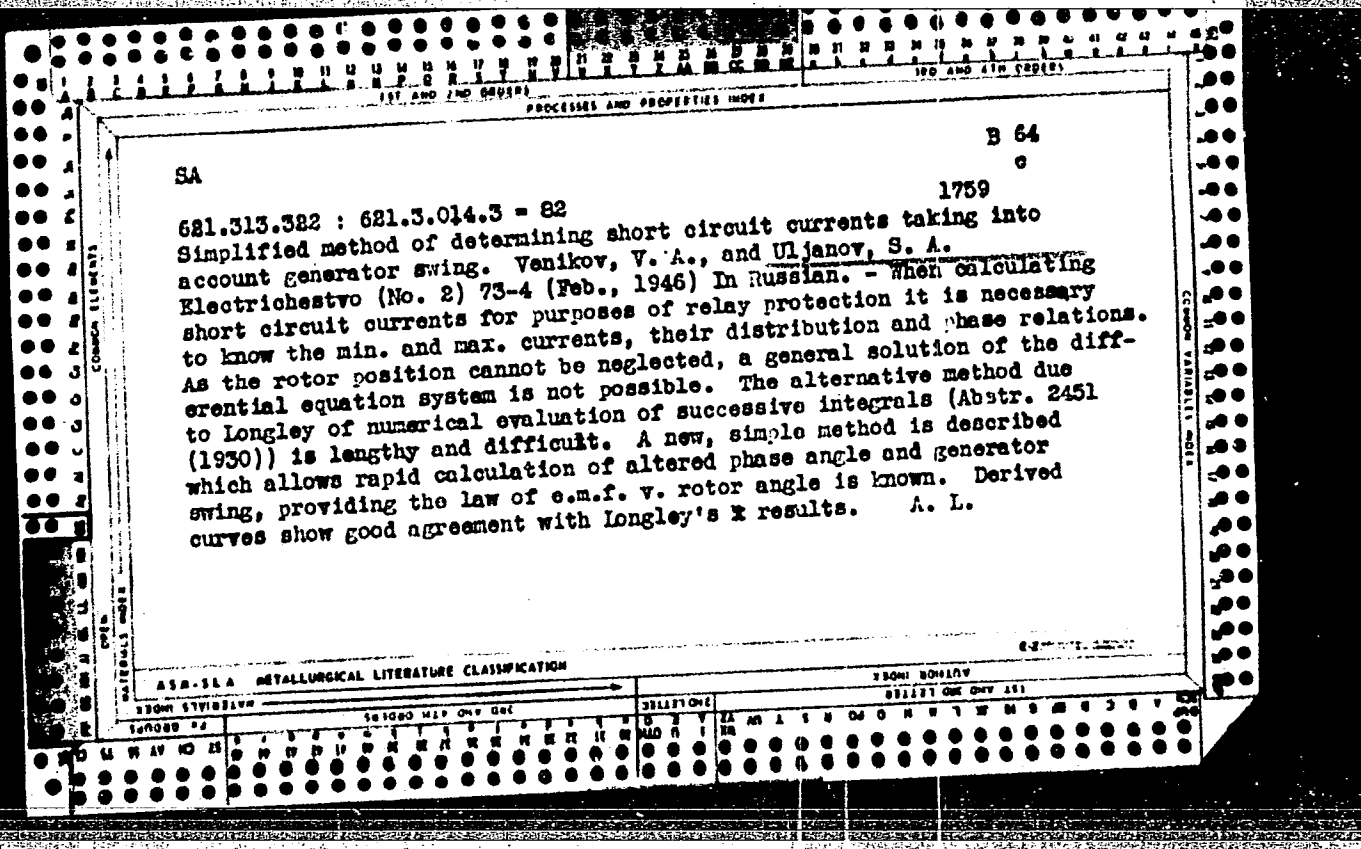
Common Variable Metals

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS      3RD AND 4TH ORDERS

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50





M

On the Cause of the "Hardness" of Electrolytic Zinc. A. A. Butchvar and A. J. Ulianow (*Zrakovye Metally (The Non-Ferrous Metals)*, 1932, 7, 33-36; *Chem. Zentr.*, 1934, 106, I, 2343).—The hardness of zinc does not primarily depend on the thermal treatment, since the presence of iron has a profound effect on the recrystallization process, as little as 0.2% preventing it entirely. The hardness is unaffected by 0.2% lead, but 0.1-0.2% cadmium increases it appreciably. In making zinc sheets of uniform hardness strict control of the iron content is essential.—A. R. P.

ASS-SLA METALLURGICAL LITERATURE CLASSIFICATION

SEARCHED	INDEXED	SERIALIZED	FILED

FORM NO. 101  
MAY 1957

ULJASZ, Z.

Directives concerning the plan of technical progress in the Five-Year Plan. p. 267.

SKLO I CERAMIKA. (Centralne Zarzady Przemyslu Szklarskiego i Ceramicznego oraz Stowarzyszenie Naukowo-Techniczne Inzynierow i Technikow Przemyslu Chemicznego) Warszawa, Poland. Vol.6, no.12, Dec. 1955.

Monthly list of East European Accessions (EEAI) LC, Vol.9, no.1, Jan. 1959.

Uncl.

ULJUJEV, D.; DJEVJAKOVICS, G.

"Soviet Machine for Testing Cracks on Railroads. Tr. From the Russian",  
P. 94, (KOZLEKEDESTUDOMANYI SZEMLE, Vol. 4, No. 3, Mar. 1954, Budapest,  
Hungary)

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

ULJUJEV, D. : DJEVJAKOVICS, G.

"Mechanization of Operations in Extending the Life of Railroad Ties.  
Tr. from the Russian", P. 295. (KOZLEKED ESTUDOMANYI SZEMLE, Vol. 4,  
No. 7/8, July/Aug. 1954, Budapest Hungary)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4,  
NO. 1, Jan. 1955, Uncl.

ULKEI, Eszter, dr.

Elliptocytosis familiaris. Orv. hetil. 101 no.25:895-897  
19 Je '60.

1. Fovarosí Tanács XII. ker. János Kórház-Rendelő Intézet,  
Központi Laboratóriumú Cisztaly.  
(ERYTHROCYTES)



GOTH, Endre; MOLNAR, Bela; HAMMER, Sarolta; DOBY, Arpad; ULKEY, Eszter;  
technikai asszisztens: CZIBULA, Etelka; SCHWENDTNER, Hanna

Studies with human growth hormone. Kiserl. orvostud. 13 no.5:495-  
499 0 '61.

1. Kobanyi Gyogyszergyar es Janos Korhaz-Rendelo-intezet II.belosztalya  
es Kozponti Laboratoriuma.  
(SOMATOTROPIN pharmacol.)

GOTH, Endre, dr.; MOLNAR, Bela, dr.; HAMMER, Sarolta, dr.; ULKEY, Eszter, dr.;  
technikai asszisztens: CZIBULA, Etelka; SCHWENDTNEE, Hanna

Studies on the human growth hormone. Orv. hetil. 102 no.42:1982-1986  
15 0 '61.

1. Budapesti Janos Korhaz-Rendelointezet, II Belosztaly, Kosponti  
Laboratorium es Kobanyai Gyogyszerarugyar.

(SOMATOTROPIN)

UL'KIN, E.

107-8-14/62

AUTHOR: Poboziy, G., President of the First "DOSAAF" Organization of School No 3.; Ul'kin, E., President of the Amateur Radio Club; Mamonyako, M., Council Member of the Radio Club and others.

TITLE: Indifferent Attitude towards an Important Matter. (Bezrazlichnoye otnosheniye k vazhnomu delu).

PERIODICAL: Radio, 1957, Nr. 8, p 11, col 2-3 (USSR).

ABSTRACT: At the end of February an amateur radio club with 49 members was organized in KLINTSY, District of BRYANSK, affiliated to Technical School # 3.

From membership dues and with the help of the school directorate the club acquired necessary materials. The club possesses radio measuring instruments, receiving and transmitting equipment and a well equipped laboratory.

The members are divided in two groups. One group of radio amateurs elaborates and designs radio broadcasting and radio measuring installations of medium complexity, while in the other group, ultra short wave apparatus are designed and the members are trained to become wireless operators.

Card 1/2

TITLE: Indifferent Attitude towards an Important Matter. (Bezrazlichnoye otnosheniye k vazhnomu delu). 107-8-14/62

However, the municipal "DOSAAF" committee does not support the club.

There are grievances also against the BRYANSK Regional Radio Club. Although it had assisted in organizing the Klintsey amateur radio club, it seems to have forgotten its existence, and merely sends statements about competitions taking place. This is all its "care" for the needs of the amateur radio club.

INSTITUTION: None

PRESENTED BY:

SUBMITTED:

AVAILABLE: At the Library of Congress

Card 2/2

GALEYEV, A.; YEFIMOV, G., rabkor; SERDYUKOV, N., inzh.; LOBZA, L.  
UL'KIN, P., uchitel' (Novozybkovskiy rayon Bryanskoy obl.);  
PETROV, V., uchitel' (Novozybkovskiy rayon Bryanskoy obl.)  
DEGTYAREV, N.

Letters to the editors. Sov. profsoiuzy 17 no. 2:46-49  
Ja '61. (MIRA 14:2)

1. Predsedatel' promyslovogo komiteta profsoyuza, g.  
Oktyabr'skiy (for Galeyev). 2. Gomel' hayr remontno-  
ekspluatatsionnaya baza rochnogo flota (for Serdyukov).  
3. Chlen rabsel'kovskogo soveta gazety "Vpered" Razdel'-  
nyanskogo rayona Odesskoy oblasti (for Degtyarev).  
(Trade unions)

BLAGOSKLONOV, K.N.; GROZDOV, B.V. (Bryansk); UL'KIN, P.

Brief notes on books. Biol. v shkole no.4:88, 94 J1-Ag '63.  
(MIRA 16:9)

1. Rogovskaya srednyaya shkola Novozybkovskogo rayona Bryanskoy  
oblasti (for Ul'kin). (Bibliography--Natural history)

KRAMAROVSKIY, L.; ZUYEV, N.; PAVLENKO, G.; UL'KO, D.

Develop credit relations with intercollective farm building organizations. Den. i kred. 20 no.1:27-39 Ja '62. (MIRA 15:1)

1. Nachal'nik otdela kreditovaniya kolkhozov Moldavskoy kontoroy Gosbanka (for Zuyev). 2. Upravlyeyushchiy Kiyevskoy oblastnoy kontory Gosbanka (for Pavlenko). 3. Upravlyayushchiy Dnepropetrovskoy kontoroy Gosbanka (for Ul'ko).

(Ukraine--Construction industry--Finance)  
(Moldavia--Construction industry--Finance)  
(Collective farms--Interfarm cooperation)

L 23516-65 EWT(m)/T  
ACCESSION NR: AP4047120

S/0080/64/037/010/2158/2165

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AUTHOR: Vasil'yeva, O. A.; Golubeva, L. G.; Dubinina, M. M.; Yegorova, Ye.N.  
Shishakova, T. N.; Ul'ko, N. G.

TITLE: Adsorption properties and maximum adsorption capacity of formed synthetic type A and X zeolites

SOURCE: Zhurnal prikladnoy khimii, v. 37, no. 10, 1964, 2158-2165

TOPIC TAGS: type A zeolite, type X zeolite, adsorption, adsorption capacity

ABSTRACT: The study was made to explain the reduced adsorptive properties and reduced maximum adsorption of formed synthetic type A and X zeolites which were as much as 10-15% lower than theoretical values calculated on the basis of diluting the zeolite crystals by additives which were practically inert adsorptionwise. The lowered adsorptive properties of the formed zeolites were attributed to the lower quality of the initial zeolite crystals primarily due to incomplete washing. This was particularly noted in the CaA zeolites whose quality

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ACCESSION NR: AP4047120

was usually lower than that of the NaX zeolite crystals. The decrease in the maximum adsorption capacity of dried tablets made of thoroughly washed zeolite crystals equaled the calculated decrease due to dilution by the binding materials. The adsorptive properties of formed zeolites made from properly washed zeolite crystals and subjected to thermal treatment at 600-650C for 6-8 hours were practically unchanged. The additive content in the formed zeolite can therefore be determined from the maximum adsorption capacities for water in the initial crystalline zeolite and the formed zeolite. "In conclusion the authors thank B. A. Lipkind and Ya. V. Mrsko for supplying the zeolite samples for the investigation." Orig. art. has: 4 tables and 3 equations.

ASSOCIATION: None

SUBMITTED: 30Mar63

SUB CODE: OC,GC

ENCL: 00

NO REF SOV: 003

OTHER: 000

Cord2/2

KHOMCHENKO, G.P.; UL'KO, N.G.; VOVCHENKO, G.D.

Charging curves of an osmium electrode-catalyst. Part 1. *Elektrokhimiia*  
1 no.6:659-663 Je '65. (MIRA 18:7)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

UL'KO, N.V.

Thiocyanate complexes of pentavalent molybdenum. Ukr.  
khim. zhur. 31 no.9:887-894 '65. (MIRA 18:11)

1. Kiyevskiy gosudarstvennyy universitet imeni T.G. Shevchenko.

ULKO, H. V.

"Investigation of Peroxide Complexes of Titanium and Zirconium." Cand Chem Sci, Kiev State U imeni T. G. Shevchenko, Min Higher Education USSR, Kiev, 1955.

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