

SHIMANSKIY, V.N.

Sculptured forms of the Lirocerataceae superfamily. Paleont.zhur.
No.1:74-78 '62. (MIRA 15:3)

1. Paleontologicheskii institut AN SSSR.
(Cephalopoda, Fossil)

SHIMANSKIY, V.N.

Little known phylum of mollusks. *Biul.MOIP.Otd.geol.* 37 no.2:164-
165 *Mr-Ap '62.* (MIRA 15:7)
(Ural Mountains—Mollusks, Fossil)

SHIMANSKIY, V. N.

Activity of the Paleontological Section of the Moscow Naturalists'
Society, 1961. Paleont. zhur. no.2:175-177 '62. (MIRA 15:10)

(Paleontological societies)

DRUSHCHITS, V.V.; SHIMANSKIY, V.N.

Some stages in the development of the organic world in the
Paleozoic. *Biul. MOIP. Otd.geol.* 37 no.3:135-136 My-Je '62.
(MIRA 15:10)

(Paleontology)

DRUSHCHITS, V.V.; SHIMANSKIY, V.N.

The scope of the Paleozoic period. Dokl. AN SSSR 144 no.5:
1115-1118 Je '62. (MIRA 15:6)

1. Paleontologicheskii institut AN SSSR. Predstavleno akademikom
N.M.Strakhovym.

(Geology, Stratigraphic)

SHIMANSKIY, V.N.

Paleontological section of the Moscow Naturalists' Society,
1962. Paleont. zhur. no.2:160-161 '63. (MIRA 16:8)

(Paleontological societies)

SHIMANSKIY, V.N.

Taxonomic status and size of Xenococonchia. Paleont. zhur. no.4:
53-63 '63. (MIRA 17:1)

1. Paleontologicheskii institut AN SSSR.

MAKR DIN, Vladimir Petrovich; GIL'V, Yu.A., akademik, retsenzent;
SHIRANSKIY, V.N., prof., retsenzent; KAMYSEVA-YELPAT'YEVSKAYA,
V.G., prof., retsenzent; GEKKER, R.F., prof., retsenzent;
STEPANOV, D.L., prof., retsenzent; STERLIN, B.F., otv. red.

[Jurassic brachiopods of the Russian Platform and some
regions adjacent to it] Brakhiopody iurakikh otlozhenii rus-
skoi platformy i nekotorykh prilozhastotiki k nei oblasti.
Moskva, Nauka, 1962. 304 p. (MIRA 19:2)

SHIMANSKIY, Vsevolod Pavlovich; GRINGAUZ, S., red.; SHLYK, M., tekhn.
red.

[We build our future today] Budushchee rozhdetsia segodnia. Moskva, Mosk. rabochii, 1961. 82 p. (MIRA 14:10)
(Moscow—Efficiency, Industrial)
(Communist Party of the Soviet Union—Party work)

BIRMAN, A.M.; GAYDUKOV, Yu.A.; GOLUBTSOV, L.B.; ITIN, L.I.;
KAMENITSER, S.Ye.; MIKONOV, I.H.; TOLSTYKH A.S.; SHILANSKIY,
V.P.; SHUVALOV, N.M.; AVETISYAN, Ye., red.; KUFENIN, Yu.,
tekh. red.

[School of socialist management; book for reading in schools
for workers studying the economics of industrial enterprises]
Shkola sotsialisticheskogo khoziaistvovaniia; kniga dlia
chtenia v shkolakh rabochikh izuchaiushchikh ekonomiku pro-
myshlenykh predpriatii. Moskva, Gospolitizdat, 1962. 295 p.
(MIRA 15:9)

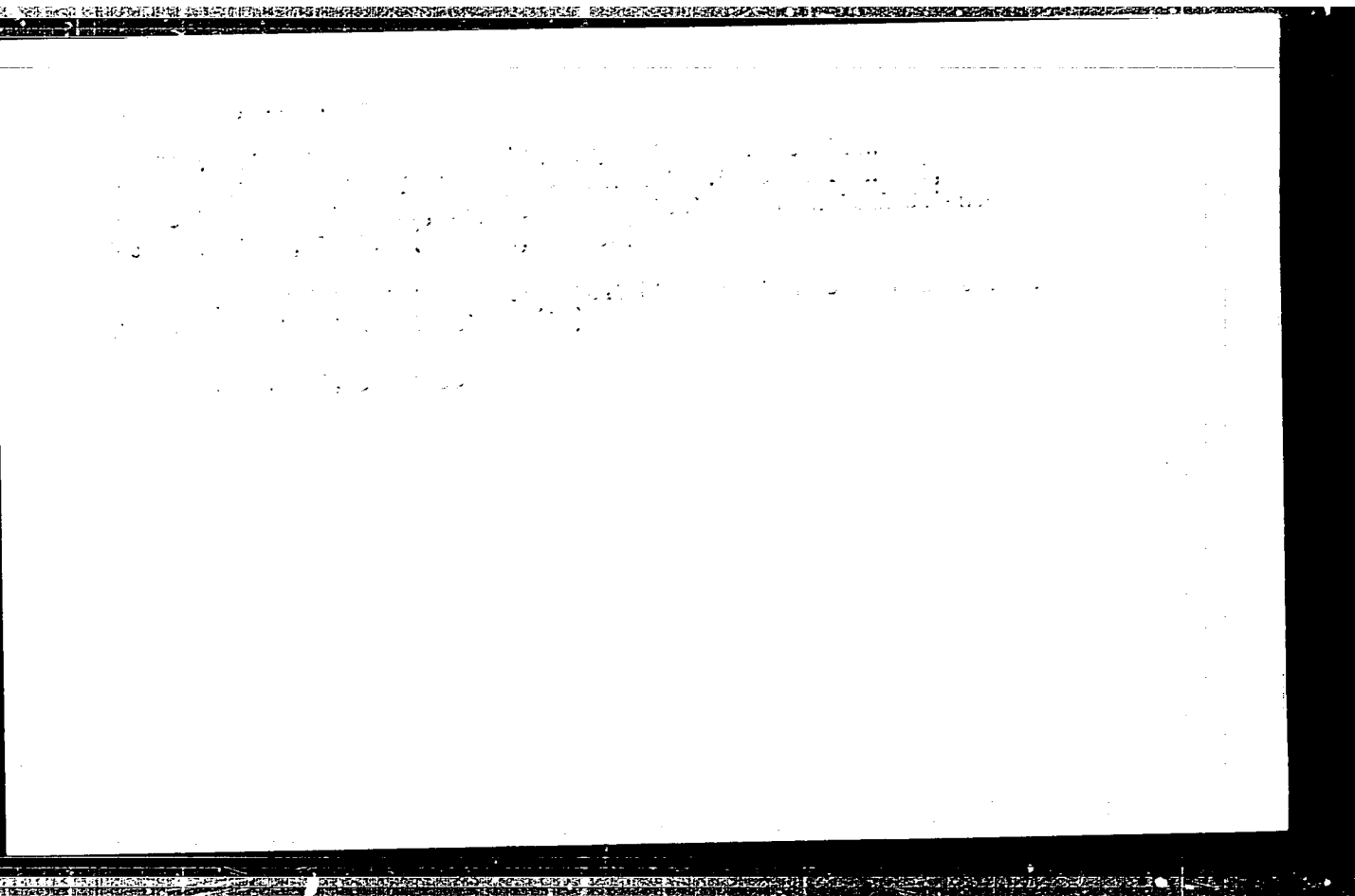
(Industrial management)

BLIYAN, A.M.; GURSHKOVICH, I.I.; GILBERTSOV, L.B.; IPIA, L.I.;
KAMENITSKER, S.Ye.; KONTALOVICH, V.G.; KORODOV, P.A.;
TOLSTYKH, A.S.; CHIMANSKIY, V.P.; CHUVALOV, N.M.;
AVETIYAN, Ye., red.

[School of socialist management; a school reader for workers
studying the economics of industrial enterprises] Shkola
sotsialisticheskogo khoziaistvovaniia; kniga dlia chteniia v
shkolakh rabochikh, izuchaiushchikh ekonomiku promyshlennykh
predpriatii. Izd.2., perer. i dop. Moskva, Politizdat,
1967. 318 p. (NIRA 17:8)

SHIMANSKIY, V.S.; RAKOVSKIY, V.Ye.; ZHURAVILEVA, A.N.; KADACH, M.V.

Use of peat tar from the Stalin Glass Works in road construction.
Trudy Inst.torf. AN BSSR no.2:173-185 '53. (MIRA 8:11)
(Tar) (Peat)



SHIMANSKIY, V. S.

General chemical characteristics of peats of Byelorussian S.S.R. (White Russia). V. E. Rakovskā, V. S. Poznyak, and V. S. Shimanskiĭ. *Izvest. Akad. Nauk Beloruss. S.S.R.* 1955, No. 5, 135-47 (in Russian).—Data are tabulated for 18 different kinds of peat regarding their location, botanical compn., ash (1.11-4.0 and 4.0-12.0% for highland and lowland peat, resp.), degree of decmpn. of the org. matter, heat-generating capacity (5400-5900 cal./g. dry org. matter), the amts. of C (49.95-64.52), H (4.84-6.49), N (0.73-4.09), and O + S (29.20-41.54% of the dry org. matter, resp.), and the inorg. compn., expressed in percentages of the abs. dry substance and of the amt. of the ash (the amts. of the inorg. constituents in percentage of the abs. dry peat: SiO₂ 0.49-4.95, Fe₂O₃ 0.11-2.09, Al₂O₃ 0.12-1.85, CaO 0.13-4.97, MgO traces-0.58, SO₂ 0.04-1.15, SO₂-0.71, and Na₂O + K₂O 0.07-0.67%, resp.). R. W.

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SHIMANSKIY, V.S.; LUZGINA, R.I.; KLIMOV, B.K.

Effect of the component composition of peat pitch on its binding
properties. Trudy Inst. torf. AN BSSR 6:217-229 '57. (MIRA 11:7)
(Pitch)

SHIMANSKIY, V.S.

Studying the mixing of peat tar and peat pitch with several organic
binding materials. Trudy Inst. torf. AN BSSR 6:230-242 '57.
(MIRA 11:7)

(Binding materials)

SHIMANSEIY, V.S.

Studying the physical and mechanical properties of composite
peat tars. Trudy Inst. torf. AN BSSR 6:243-256 '57. (MIRA 11:7)
(Tar--Testing)

GORBUNOVICH, G.D., red.; OPEYKO, F.A., red.; RAKOVSKIY, V.Ye.,
red.; SELITRENNIKOV, A.I., red.; SHIMANSKIY, V.S., red.
KOLOTUSHKIN, V.I., red.

[Overall utilization of peat] Kompleksnoe ispol'zovanie
torfa. Moskva, Nedra, 1965. 287 p. (MIRA 18:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut torfa.

SHIMANSKIY, V. YU.

Electric Lines - Overhead

Defect of the 35 KV support model "Riumka." Rab. energ. 2 no. 4:23 Ap '52.

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

SHIMANSKIY, Yulian ALEKSANDROVICH

1963/3

c' 1962

SHIPBUILDING

see ILC

SHIMANSKIY, Yu. I., BARANOVSKIY, V. Ye. and RAVIKOVICH, S. D.

"Investigation of the Heats of Evaporation of Solutions", a paper presented
at the second conference on the Liquid State of Matter, Kiev, 30 May to 3 June 1955,
Usp. Fiz. Nauk, April 1955

SHIMANSKIY Yu. I.

USSR/Atomic and Molecular Physics - Statistical Physics, Thermodynamics, D-3

Abst Journal: Referat Zhur - Fizika, No 12, 1956, 34364

Author: Golik, O. Z., Ravikovich, S. D., Shimans'kiy, Yu. I., Barancvs'kiy, V. Ye.

Institution: Institute of Physical Chemistry, Kiev State University

Title: Investigation of Latent Heat of Evaporation of Liquids. II. Investigation of Physical Solutions

Original Periodical: Dopovidi AN URSR, 1955, No 3, 271-273; Ukrainian; Russian resumé

Abstract: It is shown that the temperature-dependence curves of latent heats of evaporation of solutions of methyl and ethyl alcohols in butyl alcohol, and of iodo-benzene and chlorobenzene in brombenzene, lie between the corresponding curves of the components and range in an order determined by the critical temperatures of the liquids. The concentration dependence of the heat of evaporation of solutions of alcohol and haloid derivatives of benzene is linear, and a pronounced minimum is disclosed for the C_6H_{14} and C_7H_{16} and C_8H_{18} solutions.

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SUMMARY, Yu. I.

USSR/ Chemistry - Physical chemistry

Card 1/1 Pub. 116 - 7/30

Authors : Golik, A. Z.; Orishchenko, A. V.; Ravikovich, S. D.; Solomko, V. P.;
Roshchina, G. P.; and Shimanskiy, Yu. I.

Title : Viscosity, density and critical temperatures of alcohol solutions in
monocarboxylic acids

Periodical : Ukr. khim. zhur. 21/3, 318-326, June 1955

Abstract : The viscosity, density and critical temperatures of alcohol solutions were investigated in monocarboxylic acids in which the chemical esterification reaction usually takes place. The general laws governing the concentration and thermal dependence of the characteristics mentioned and the laws governing the activation energy of the viscous flow and specific volumes were established. It is shown that in the case of solutions, the components of which react intensively between themselves, and that the concentration and thermal dependences are also subject to other more complicated laws. Nine Russian and USSR references (1877-1955). Graphs.

Institution : Acad. of Sc., Ukr. SSR., The L. V. Pisarzhevskiy Inst. of Phys. Chem. and
the T. G. Shevchenko State Univ., Kiev

Submitted : December 16, 1954

GOLIK, A.Z.; ORISHCHENKO, A.V.; RAVIKOVICH, S.D.; ROSHCHINA, G.P.; SOLOMKO,
V.P.; SHIMANSKIY, Yu.I.

Study of the viscosity and critical temperature of aqueous solutions
of alcohols and monocarboxylic acids. Ukr. khim.zhur.21:480-483 '55.
(MLRA 9:2)

1. Institut fizicheskoy khimii imeni L.V.Pisarzhevskogo AN USSR i
Kiyevskiy gosudarstvennyy universitet imeni T.G.Shevchenko.
(Alcohols) (Acids, Fatty)

SHIMANSKIY, Yu. I.

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~~Viscosity and critical-temperature determinations of ter-~~
~~tiary solutions of alcohols-acids-water. A. Z. Golik, A.~~
~~V. Orishchenko, S. D. Ravikovich, V. P. Solomko, and Yu.~~
~~I. Shimanskiy (U. G. Shevchenko State Univ., Kyiv,~~
~~Ukrain Khim. Zhur. 21, 576-581 (1965) (in Russian); cf.~~
~~C.A. 50, 4592c.--The viscosity and crit. temps. of water,~~
~~EtOH, PrOH, AcOH, and butyric acid were studied. The~~
~~viscosity isotherms in each system intersect in such a way~~
~~that up to one concn. one isotherm lies above the other two,~~
~~and at higher concn. is located below. At a given temp.,~~
~~different concns. of the same components have the same~~
~~viscosities. The no. of such solns. reaches 5 for the water-~~
~~butyric acid-propanol system. W. M. Sternberg~~

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PM

SHIMANSKIY, YU. I.

USSR/Physical Chemistry - Liquids and Amorphous Bodies. Gases, B-6

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 60967

Author: Shimanskiy, Yu. I., Ravikovich, S. D.

Institution: None

Title: On the Use of F-Scale for Representation of Temperature Dependence of the Viscosity of Liquids

Original Periodical: Zh. fiz. khimii, 1955, 29, No 1, 48-50

Abstract: On analyzing the method of rendering rectilinear the temperature dependence of the viscosity of liquids by means of the functional scale (F-scale, Referat Zhur - Khimiya, 1954, 28539) the authors reach the conclusion that use of the F-scale for rendering rectilinear the temperature dependence curves of dynamic and kinematic viscosity will yield positive results within the groups of liquids having similar molecular structure. They are noted the following advantages of the F-scale method over that of rectification in the coordinates $\ln \eta - 1/T$: greater accuracy in distribution of the

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USSR/Physical Chemistry - Liquids and Amorphous Bodies. Gases, B-6

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 60967

Abstract: points along a straight line and omission of the assumption of an exponential correlation between viscosity and temperature. This reported that the F-scale method is applicable for rendering rectilinear the temperature dependence curves of the viscosity of pure liquids as well as of binary solutions.

Card 2/2

USSR/Atomic and Molecular Physics - Statistical Physics..Thermo- D-3
dynamics.

Abs Jour : Ref Zhur - Fizika, No 4, 1957, No 8979.

Author : Shimans'kiy, Yu.I.

Title : Dependence of the Heat of Evaporation of Liquids on the
Temperature.

Orig Pub : Nauk povidomiennya Kiivs'k un-tu, 1956, vyp. 1. 44-45

Abstract : The evaporation of a liquid contained in a closed volume
is examined in equilibrium with its vapor. Using the analogy
of this process with the phenomenon of phase transition of
the second kind, the dependence of the latent heat of evaporation
on the temperature is found analytically to be $L = L_0$
 $\frac{thL/L_0}{T/T_k}$ where L is the heat of evaporation at temperature T,
 L_0 the heat of evaporation at $T \rightarrow 0$, and T_k is the critical
temperature. Comparison of this formula with direct exper-
imental data on the heat of evaporation for 15 liquids (methyl
alcohol, ethyl alcohol, propyl alcohol, methyl acetate, propyl
acetate, CCl_4 , $SnCl_4$, CO_2 , N_2O , C_2H_4 , benzol, n-pentane ethyl
ether, and water) gave satisfactory results. The author

Card : 1/2

USSR/Atomic and Molecular Physics - Statistical Physics. Thermo- D-3
dynamics.

Abs Jour : Ref Zhur - Fizika, No 4, 1957, No 8579

derives also a formula for the dependence of the heat of
evaporation on the density at any temperature in the inter-
val of existence of the liquid phase.

Card : 2/2

USSR/Atomic and Molecular Physics - Liquids, D-8

Abst Journal: Referat Zhur - Fizika, No 12, 1956, 34465

Author: Roshchina, G. P., Ryndich, N. A., Shimanskiy, Yu. I.

Institution: None

Title: Conference on the Liquid State of Matter

Original Periodical: Usp. fiz. nauk, 1956, 58, No 4, 749-756

Abstract: The second conference on the liquid state of matter, held in Kiev from 30 May through 3 June 1955 under the auspices of the Kiev State University imeni T. G. Shevchenko.

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ROSHCHINA, G.P.; SHIMANSKIY, Yu.I.

Third conference on the liquid state of matter. Ukr.fiz.zhur. 2
no.3:292-295 J1-S '57. (MIRA 10:10)
(Liquids)

GOLIK, A.Z. [Holyk, O.Z.]; SHIMANSKIY, Yu.I. [Shymans'kyi, IU.I.]; KOBIYCHUK, N.M.
[Kobiichuk, N.M.]

Compressibility of isoviscous substances [with summary in English].
Ukr.fiz.zhur. 3 no.4:537-541 J1-Ag '58. (MIRA 11:12)

1. Kiyevskiy gosudarstvennyy universitet.
(Compressibility)

AUTHOR: Shimanskiy, Yu. I. SOV/76-32-8-27/37

TITLE: The Temperature Dependence of the Heat of Vaporization of Pure Liquids (Temperaturnaya zavisimost' teploty paroobrazovaniya chistykh zhidkostey)

PERIODICAL: Zhurnal fizicheskoy khimii, 1958, Vol. 32, Nr 6, pp. 1893-1899 (USSR)

ABSTRACT: The vaporization of a liquid being contained in a closed vessel in equilibrium with its vapor is investigated. The mean energy of the molecules changes abruptly within the zone of the meniscus. The extent of this jump is said to characterize the heat of vaporization. An equation is derived by some mathematical explanations, which, according to its form, corresponds to the Truton theorem, and makes possible a derivation of the formula for the representation of the temperature dependence of the heat of vaporization. A control of the final formula with 15 liquids proved to be valid. The calculation of the Truton constant L_c/T_c showed that it differs from one liquid to another, and that on the other hand groups exist where it practically remains constant. Three groups may be found - alcohols, acetates

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SOV/76-32-8-27/37

The Temperature Dependence of the Heat of Vaporization of Pure Liquids

and tetrachlorides. Ya. I. Frenkel' (Ref 6) made similar observations. A relation between the latent heat of transition from the liquid phase to the vapor phase is given by the

equation $L = - CRT \ln \frac{q_{\text{vapor}}}{q_{\text{liquid}}}$, which is identical with that

by Deteritsi (Ref 8). It is found that within those groups of liquids (of similar molecular structure) mentioned above the values C and q remain constant. The observations made are brought into relation with those of binary alloys, i. e. with the theory of the phase transitions of second order. There are 4 figures, 1 table, and 12 references, 11 of which are Soviet.

ASSOCIATION: Kiyevskiy gosudarstvennyy universitet im. T. G. Shevchenko
(Kiyev State University imeni T. G. Shevchenko)

SUBMITTED: March 25, 1957

Card 2,2

SHIMANSKIY, Yu.I. [Shymans^{kyi}, IU.I.]

Effect of temperature near the critical point on the pressure of
saturated steam. Visnyk Kyiv.un.no.2.Ser.fiz.ta khim. no.1:61-64
59. (MIRA 14:8)

(Steam)

30

PHASE I BOOK EXPLOITATION S07/5469

Soveshchaniye po kriticheskim yavleniyam i flyuktuatsiyam v rastvorakh. Moscow, 1960.

Kriticheskiye yavleniya i flyuktuatsii v rastvorakh; trudy soveshchaniya, yanvar' 1960 g. (Critical Phenomena and Fluctuations in Solutions; Transactions of the Conference, January 1960) Moscow, Izd-vo AN SSSR, 1960. 190 p. 2,500 copies printed.

Sponsoring Agencies: Akademiya nauk SSSR. Otdeleniye khimicheskikh nauk. Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova. Khimicheskii fakul'tet.

Responsible Ed.: M. I. Shakhparonov, Doctor of Chemical Sciences, Professor; Ed. of Publishing House: E. S. Dragunov; Tech. Ed.: S. G. Tikhonirova.

PURPOSE : This collection of articles is intended for scientific personnel concerned with chemistry, physics, and heat power engineering.
Card 1/9

Critical Phenomena and Fluctuations

SOV/5469

COVERAGE. The book contains 24 of the 26 reports read at the Conference on Critical Phenomena and Fluctuations in Solutions organized by the Chemical Division of Moscow State University, January 26-28, 1960. The reports contain results of investigations carried out in recent years by Soviet physicists, chemists, and heat power engineers. The Organizing Committee of the Conference was composed of Professor Kh. I. Amirkhanov, A. Z. Golik, I. R. Krichevskiy (Chairman), V. K. Semchenko, A. V. Storonkin, I. Z. Fisher, and M. I. Shakhparonov (Deputy Chairman). References accompany individual articles.

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Critical Phenomena and Fluctuations

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Zatsepina, L. P., and M. I. Shakhparonov [Laboratory of the Physical Chemistry of Solutions, Chemistry Division, Moscow State University imeni M. V. Lomonosov]. Rayleigh Light Scattering in Nitrobenzene -- Cyclohexane and Ethyl Alcohol -
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Krichevskiy, I. R., and N. Ye. Khazanova [Laboratoriya vysokikh davleniy GIAP -- Laboratory of High-Pressure [Studies], Moscow State Design and Planning Scientific Research Institute of the Nitrogen Industry]. Diffusion of Liquid and Gaseous Solutions in the Critical Region

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Krichevskiy, I. R., and Yu. V. Tsikhanskaya [Laboratory of
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Dept of Experimental Physics, Dnepropetrovsk State University].
Investigation of Density Fluctuations in Ether and Benzene
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81

Khilov, N. V., and I. V. Kirsh [Department of Experimental
Physics, Dnepropetrovsk State University] Variation in the
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skiy oblastnoy pedagogicheskoy institut -- Pedagogical Insti-
tute of the Moscow Oblast]. Hypersonic Investigation in
Organic Liquids at Constant Density in the Vicinity of the
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Post, L. A. [Minskiy lesotekhnicheskoy institut -- Minsk
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Critical Phenomena and Fluctuations

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- Roshchina, G. P. [Laboratoriya molekulyarnoy fiziki, Fizicheskii fakul'tet, Kiyevskiy gosudarstvennyy universitet im. T. G. Shevchenko -- Laboratory of Molecular Physics, Division of Physics, Kiyev State University imeni T. G. Shevchenko] Investigation of Fluctuations in Solutions by the Method of Light Scattering 109
- Skripov, V. P. [Laboratoriya molekulyarnoy fiziki, Ural'skiy politekhnicheskiy institut im. S. M. Kirova -- Laboratory of Molecular Physics, Ural Polytechnic Institute imeni S. M. Kirov]. Special Structural Features of Matter in the Vicinity of the Critical Point and Transfer Phenomena 117
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Critical Phenomena and Fluctuations

SOV/5469

Shimanskaya, Ye. T., Yu. I. Shimanskii, and A. Z. Golik [Laboratory of Molecular Physics, Division of Physics, Kiev State University imeni T. G. Shevchenko]. Investigation of the Critical State of Pure Substances by Tepler's Method

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Resolution of the Conference on Critical Phenomena and Fluctuations in Solutions

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AVAILABLE: Library of Congress (QD545.S73)

JP/dfk/jw
10-28-61

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S/081/61/000/021/010/094
B102/B138

AUTHORS: Shimanskaya, Ye. T., Shimanskiy, Yu. I., Golik, A. Z.

TITLE: Investigation of the critical state of pure substances by Tepler's method

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 21, 1961, 43, abstract 21B347 (Sb. "Kritich. yavleniya i flyuktuatsii v rastvorakh", M., AN SSSR, 1960, 171 - 188)

TEXT: A method has been developed, for the investigation of critical states, by means of which the density ρ of a substance can be measured in any point in a chamber (by the optical Tepler method) with long-time thermostating. The apparatus is described in detail. Heptane and hexane were examined. Density has a non-monotonic gradient with respect to the chamber height Z , and has a maximum at the meniscus. This maximum increases as the temperature approaches the point T_m at which the meniscus vanishes. With a steady temperature change (rate: 2 deg/hr) the $d\rho/dZ$ maximum is present on heating and absent on cooling (i. e. a hysteresis is observed). With irregular changes in temperature and long-time
Card 1/2

Investigation of the critical...

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B102/B138

(15 - 20 hr) thermostating, the dq/dZ maximum is, however, present on heating as well as cooling; the maxima are then lower than in the case of steady heating. The $q(Z)$ curves are found by integrating $dq/dZ = f(Z)$. For $T > T_m$ they are S-shaped. In the lower part of the chamber density is higher, and in the upper part lower, than critical. This is in full agreement with classical representations regarding the existence of a critical point, and not a region, when allowing for the effect of gravitational field. The critical state is realized only in a narrow layer at the point where the meniscus vanishes. Above and below this layer the substance is not in a critical state, although its temperature is critical. As the density difference throughout the chamber corresponds at the critical temperature to the equilibrium state, then it must be assumed that displacement sometimes occurs, levelling the density and removing the system from the state of equilibrium. [Abstracter's note: Complete translation.]

Card 2/2

SHIMANSKIY, Yu.I.; SHIMANSKAYA, Ye.T.; Primalni uchastiye: YATSYUTA, N.A.,
student; ZAVALIN, I.V., aspirant

Study of the density of benzene near the critical point. Ukr.
fiz. zhur. 7 no.8:861-868 S '62. (MIRA 16:1)

1. Kiyevskiy universitet.
(Benzene--Density) (Critical point)

BARANOVSKIY, V.Ye.; SHIMANSKIY, Yu.I.; GOLIK, A.Z.

Heat of evaporation of the ternary system ethyl alcohol-butyl alcohol - acetone. Ukr.khim.zhur. 28 no.4:484-486 '62.

(MIRA 15:8)

1. Kiyevskiy gosudarstvennyy universitet imeni T.G.Shevchenko.
(Ethyl alcohol) (Butyl alcohol) (Acetone)
(Heat of evaporation)

ZAVALI, I.V.; SHIMONENKO, B.I.; SHIMONENKO, Yu.I.; Prinsipali uchastije:
ZAPEROVSKAYA S.N., student; KOVALENKO G.F., student; TICHUTOVA, Z.
STUDENT

Behavior of the density of the solution benzene-propyl alcohol near
the critical point at the liquid - vapor boundary. Ukr. Fiz. Zhur.
9 no.5:491-496 by '64. (U.S.S.R. 17:9)

1. Kiyevskiy gosudarstvennyy universitet.

ZAVALIN, I.V.; SHYMANSKIY, Yu.I. [Shymans'kyi, Yu.I.] Prinizhali umastiyes:
AL'OKHIN, A.D., aspirant; VOLKOV, O.I., student

Density and concentration in the binary solution benzene--
propyl alcohol near the liquid-vapor critical point. Ukr.
fiz. zhur. 9 no.10:1122-1133 0 '64 (MIRA 18:1)

1. Kiyevskiy gosudarstvennyy universitet im. Shevchenko.

BOGOMOLOV, V.M., HIMANOV, Yu.I.

Experimental study of the rate of vaporization of water drops
in a stagnant medium. Koll. zhur. 27 no. 4:117-121 Nov Ja '66.
(MERL 18:18)

1. Kiyevskiy gosudarstvennyy universitet. Submitted Dec. 16,
1965.

1985, 1986, 1987, 1988, 1989, 1990.

Some aspects of the diffusion theory of the vaporization of
drops of volatile liquids. Coll. anur. 27 no.4:583-586
1985. (MIRA 18.12)

I. Kiyevskiy, Institute for the Study of Problems of
December 18, 1985.

NOZHNYI, V.M. [Nuzhnyi, V.M.]; SHIMANSKIY, Yu.I. [Shymans'kiyi, Yu.I.];
SHUMINA, R.A. [Shumina, R.O.]

Condensation growth of droplets of aqueous solutions of
NaCl in a stationary adjacent vapor - gas phase. Ukr. fiz.
zhur. 10 no. 11:1237-1243 N '65. (MIRA 18:12)

1. Kiyevskiy gosudarstvennyy universitet imeni Shevchenko.
Submitted Dec. 22, 1964.

NUZHNYI, V.M. [Nuzhnyi, V.M.]; PARPOLITO, V.P.; SHIMANSKIY, Yu.I.
[Shymans'kiy, Yu.I.]

Rate of evaporation of droplets of aqueous solution of NaCl in
a stationary surrounding vapor - gas phase. *Ukr. fiz. zhurn.*
no. 11, 1965. (MIRA 18: 12)

1. Kiyevskiy gosudarstvennyy universitet imeni Shevchenko.
Submitted Dec. 22, 1964.

ZAKHARASHEVICH, I.A., kand.tekhn.nauk dots.; SHIMANSKIY, Yu.N., inzh.

Optimum parameters of automatic controller adjustments for the
electronic single-pulse regulator designed by the All-Union
Heat Engineering Institute. Izv.vys.ucheb.zav.; energ. 2 no.9:
74-78 S '59. (MIRA 13:2)

1. Ural'skiy politekhnicheskij institut imeni S.M.Kirova.
(Automatic control)

SHIMANSKIY, Yu. n., AND VASANOVA, L. K.

"Investigation of Heat Transfer in a Boiling Layer
at the Presence of Internal Heat Sources."

Report submitted for the Conference on Heat and Mass Transfer,
Minsk, BSSR, June 1961.

21413
S/089/61/011/006/C10/014
B102/B138

21-5230
AUTHORS:

Syromyatnikov, N. I., Vaganova, L. K., Shimanskiy, Yu. N.

TITLE:

Apparatus for studying heat-exchange processes in suspension reactors

PERIODICAL: Atomnaya energiya, v. 11, no. 6, 1961, 544 - 546

TEXT: The Ural'skiy politekhnicheskii institut imeni S. M. Kirova (Ural Polytechnic Institute imeni S. M. Kirov) has developed an apparatus for the study of heat transfer in reactors in which the fuel is suspended in, and circulates with, the coolant. It uses an h-f method to investigate heat transfer from the suspended hot particles to the steady-state liquid. For the heat exchange between particles and medium in a "boiling" layer, $Nu = \alpha d / \lambda$ and $Pr = \nu / a$, where d is particle diameter and α , λ , ν , and a are the coefficients of heat transfer to the medium, and of heat conduction, kinematic viscosity, and thermal diffusivity of the medium, respectively. For simulation of reactor conditions, $L_r / d \geq 20$, L_r being the reactor dimension. The suspended particles in the apparatus are heated by eddy currents from the h-f magnetic field, to a degree which is

Card 1/3

X

21.13

S/089/61/011/006/010/014

B102/B158

Apparatus for studying heat-exchange...

dependent on field strength and frequency, and the size and electro-magnetic properties of the particles. Since the optimum particle size for simulation also depends on frequency and magnetic susceptibility, μ has to be low and f high, in order to have a low optimum. For $f = 10^6$ cps and $\mu = 1$ optimum particle size is 0.5 mm for Cu, while for steel ($\mu = 100$) it is 2.5 cm, and becomes 5 cm at 2 kc. The best materials for the heat-source particles are copper, aluminum, and graphite. The reactor (Fig. 1) consists of a double-walled glass cylinder 2-4 cm in diameter and 30 - 40 cm high. The particles are 0.2 - 2 mm in size. When the heating h-f field is switched off, the transient cooling process is recorded by means of two thermocouples and an electronic voltmeter type ЭПП-09 (EPP-09) or a loop oscillograph. α is determined by calorimetric measurements, using the relation $\alpha = q_s / (t_T - t_f) F$, where q_s is the heat transferred in steady state, F the total surface of hot particles in the boiling layer, t_T the surface temperature of the particles, and t_f the mean temperature of the medium. q_s is determined from the nonsteady heat transfer, i. e., from the cooling curve. There are 2 figures, 1 table, and 5 references: 2 Soviet and 1 non-Soviet. The reference to the English-language

X

Card 2/3

21413
S/009/61/011/006/010/014
B102/B130

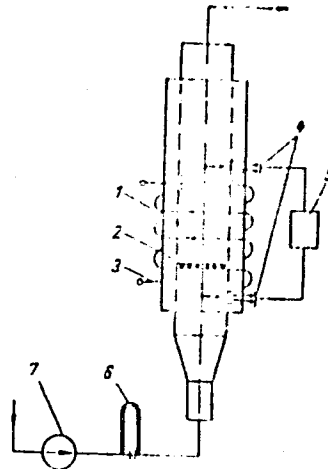
Apparatus for studying heat-exchange...

publication reads as follows: J. Marcin et al., Trans. Instn. Chem. Engrs, 2, No. 4, 168 (1956).

Fig. 1

SUBMITTED: March 28, 1961

Legend to Fig. 1:
(1) Particle suspension,
(2) base grid, (3) in-
ductor, (4) thermo-
couples, (5) electronic
voltmeter, (6) flow-
meter, (7) pump.



Card 3/3

X

VASANOVA, L.K.; SHIMANSKIY, Yu.N.; SYROMYATNIKOV, N.I.

Temperature measurement in polydisperse media during induction heating. Inzh.-fiz.zhur. 5 no.4:82-85 Ap '62. (MIRA 15:4)

1. Ural'skiy politekhnicheskiy institut imeni S.M.Kirova, Sverdlovsk.
(Temperature Measurement) (Induction heating)

ACCESSION NR: AT4042316

S/0000/63/003/000/0377/0380

AUTHOR: Vasanova, L.K., Sy*romyatnikov, N.I., Shiman'skiy, Yu. N.

TITLE: The problem of temperature measurement in non-stationary processes in the presence of a magnetic field

SOURCE: Soveshchaniye po teoreticheskoy i prikladnoy magnitnoy gidrodinamike. 3d, Riga, 1962. Voprosy* magnitnoy gidrodinamiki (Problems in magnetic hydrodynamics); doklady* soveshchaniya, v. 3. Riga, Izd-vo AN LatSSR, 1963, 377-380

TOPIC TAGS: thermometry, temperature measurement, thermocouple, heat transfer, hydromagnetics, eddy current, induction heating

ABSTRACT: The study of heat transfer between particles and suspending medium in the boiling layer is normally conducted under non-stationary or quasi-stationary conditions or during drying processes. The authors of the present article have developed another, fundamentally different, method which has as its distinguishing feature the fact that the eddy currents, induced by a magnetic field and constituting the internal heat sources, heat particles of a non-magnetic material and create a constant thermal flow from the particles to the suspending medium. The difficulties connected with the noise

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ACCESSION NR: AT4042316

caused by the field and also with the eddy-current heating of thermocouple junctions (even with a thermoelectrode diameter of 0.05 mm) have been considered. The use of a high-frequency magnetic field (300-600 kc) results in an inevitable and regular heating of the junction of an inertia-free thermocouple and, consequently, to an error in its readings in the measurement of temperature. A detailed discussion of the problem of avoiding the heating of the thermocouple and of the various techniques thus far in use to achieve this effect (all of them basically unsatisfactory) is given. The authors developed a method for measuring cooling media by means of thermocouples protected by a flowing inertia-free screen from the high-frequency magnetic field. A distinguishing feature of the method is its ability to measure true temperature values of cooling media both in stationary as well as in rapidly occurring non-stationary processes while preserving the non-inertial thermal properties of the thermocouples. Two versions of the junction shielding principle are considered: a no-frame coil technique and a self-shielding technique (see Figure 1 of the Enclosure). The effect of these screens is said to be similar to that of a continuous shielding. The authors verified the efficiency of this method of screening the junctions of thermocouples in the study of heat transfer from the particles of a boiling layer to the air and to water in the magnetic field of a hardening generator (500 kc). In their work with

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ACCESSION NR: AT4042316

non-stationary processes, in place of cumbersome and expensive DC amplifiers, the authors employed a system consisting of a test unit, the first amplification stage of a type EPP-09 electronic potentiometer and a special electronic adapter which is, in reality, an additional amplification stage. The tests they conducted demonstrated the feasibility of using this arrangement for the oscillographic recording of heating processes with the magnetic field connected and of cooling processes with the field removed, for example, even in a temperature range of 5-15C and with a process occurrence rate of less than 2 seconds. The methods discussed in this article for the measurement and recording of temperatures are applicable to the investigation of heat transfer processes in the induction heating of continuous, porous and polydispersed media. Orig. art. has: 2 figures.

ASSOCIATION: none

SUBMITTED: 04Dec63

ENCL: 01

SUB CODE: TD, EM

NO REF SOV: 003

OTHER: 000

Card 3/4

ACCESSION NR: AT4042316

ENCLOSURE: 01

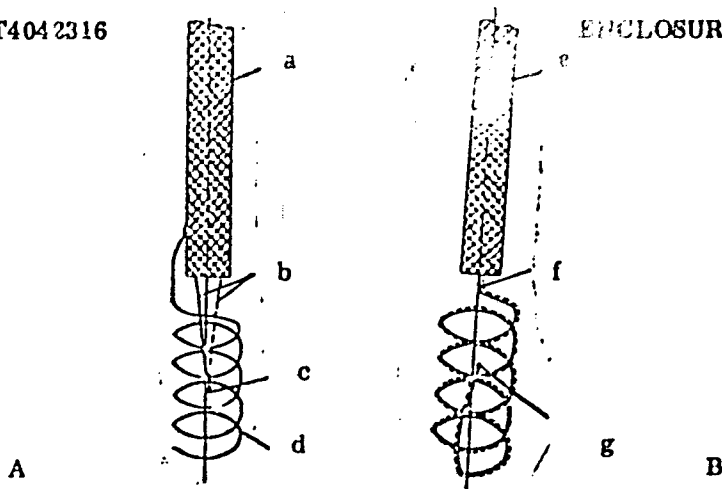


Fig. 1. Thermocouple shielding variants: A - by means of a coil without a frame; B - by means of self-shielding (Keyed lettering: a - grounded metallic brading; b - thermoelectrodes; c - junction of thermocouple; d - screening coil; 3 - grounded metallic brading; f - thermoelectrodes forming screening coil; g - junction of thermocouple)

Card 4/4

SHIMANSKIY, Yu.N.; SYROMATNIKOV, N.I.

Heat transfer in a bed fluidized by a dropping liquid. Inzh.-fiz. zhur.
7 no.2:25-28 F '64. (MIRA 17:2)

1. Ural'skiy politekhnicheskij institut imeni Kirova, Sverdlovsk.

OF MANUSCRIPT, Y. A.; STANISLAV, S. A.

Use of the method of the periodic regime in studying heat
transfer in a fluidized bed. In: Proc. Conf. on Heat Transfer
in Fluidized Beds. (MIRA 17:5)

In: Faculty of Technical Sciences Institute for S.M. Pirova, Sverdlovsk.

SHIMANSKIY, Yu.N.; SYROMYATNIKOV, N.I.

Heat exchange between particles and dropping liquid in a fluidized bed. Khim. i tekhn. topl. i masel 9 no.3:12-17 Mr'64.
(MIRA 17:7)

1. Ural'skiy politekhnicheskiy institut imeni S.M. Kirova.

SHIMANSKIY, Yu.N., inzh.; VASAKOVA, L.K., inzh.; KIRPICHNIKOV, V.M.,
kand. tekhn. nauk; SYRCMYATNIKOV, N.I., doktor tekhn. nauk

Measurement of temperature in unsteady thermal processes.
Teploenergetika 11 no.3:93-94 Mr '64. (MIRA 17:6)

1. Ural'skiy politekhnicheskiy institut im. S.M. Kirova.

BYROMIATNIKOV, N. I.; VASANKOVA, L. K.; ISHITROV, G. K.; GHIMANUKIY, Yu. N.

"Problem of heat transfer in a fluidized bed."

report submitted for 2nd All-Union Conf on Heat & Mass Transfer, Minsk, 4-12
May 1966.

Ural' Polytechnic Inst.

SHEMANSKIY, Ya.N.; YADANOVA, L.K.; KIRICHNIKOV, V.M.; SYR'NYATNIK, V. I.I.

Unit for high-speed recording of minor changes in temperatures.
Izv.vys.ucneb.zav.; prib. 7 no.2:154-157 '64.

(MIRA 18:4)

1. Ural'skiy politekhnicheskiy institut imeni Kirova. Rekomendovana kafedroy teoreticheskikh osnov teplotekhniki.

Applying the method of regular conditions for studying the heat
exchange in a fluidized bed of granular materials. *Thin. prod.* 41
no. 6:422-423 Je '65. (MIRA 18:8)

SYRUYANOV, N.I.; BASKAKOV, A.I.; VASANOVA, I.K.; SHIMANSKIY, Ye.N.

S.S. Zhabrodskii's monograph on "Hydrodynamics and heat transfer
in a fluidized bed." Inzh.-fiz. zhur. 8 no.3:413-414. Mr '65.
(MIRA 12:5)

L 10273-66 EWT(d)/EWT(1)/EPF(n)-2/ETC(m) IJP(c) WW
 ACC NR: AP6000035 SOURCE CODE: UR/0115/65/000/010/0054/0055
 AUTHOR: Shimanskiy, Yu. N.; Syromyatnikov, N. I.; Vasanova, L. K.

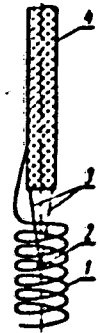
ORG: none

TITLE: Measuring temperature in a high-frequency magnetic field

SOURCE: Izmeritel'naya tekhnika, no. 10, 1965, 54-55

TOPIC TAGS: temperature measurement, rf magnetic field

ABSTRACT: Difficulties of measuring temperature in r-f magnetic fields by known methods of shielding are described. A new inertialess loose-coil shield 1 (see figure) covers thermocouple 2 whose leads 3 are protected by grounded metal braiding 4. The thermocouple is intended for measuring temperature of cooling liquids working in rf fields. The efficiency of this shielding was experimentally verified in studying the heat exchange between a boiling layer and air and water in a magnetic field of a 500-kc induction-hardening oscillator. Orig. art. has: 1 figure.



[03]

SUB CODE: 09/ SUB CODE: none/ ATD PRESS: 4/64 UDC:536.5+538.122
 Card 1/1

AID P - 3780

Subject : USSR/Electricity
Card 1/1 Pub. 26 - 22/29
Author : Shimanskiy, Yu. O., Eng.
Title : Use of oval tubular connecting clamps at substations
Periodical : Elek. sta., 10, 55-56, 0 1955
Abstract : The author describes the type of clamps and terminals used at substations to connect copper wiring with the substation equipment. Two drawings.
Institution : None
Submitted : No date

SPHANSKY, YU. V.

Electric lines

Marking of supporting parts in electric transmission lines.
Rab. energ. 2, No. 8, 1952.

9. Monthly List of Russian Accessions, Library of Congress, November 1952. UNCLASSIFIED.

1. GEDIMA, I. I., Eng; SHIMANSKIY, Yu. V.
2. USSR (600)
4. Electric Lines - Poles
7. Measures against ice on poles, Elek. sta., 23, No. 10, 1952.

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

SHIMANSKIY, Yu.V., inzhener.

Melting sleet on short cable connections of 35 Kv electric transmission
lines. Energetik 1 no.3:20-21 Ag '53. (MLRA 6:8)
(Electric lines--Overhead)

1. [Illegible]
2. [Illegible]
3. Electric Engineering
4. Improved type used for the installation of connecting wire terminals, Rab. meny. 3, 1953.

9. Monthly List of Russian Accessions, Library of Congress, AFRL 1953. Encl.

SHIMANSKIY, Yu.V., inzhener.

Restoring the insulation of the winding outlets of a 6KV transformer
manufactured by the VEM firm. Energetik 2 no.5:23-24 My '54. (MLRA 7:6)
(Electric transformers)

~ 11/11/54-1/1

AID P - 697

Subject : USSR/Electricity

Card 1/1 Pub. 29 - 8/18

Author : Shimanskiy, Yu. V., Eng.

Title : Reconstruction of a 110-kv transmission line

Periodical : Energetik, 8, 16-18, Ag 1954

Abstract : A 110-kv transmission line was built on wood H type towers with a protruding transverse beam for the suspension of a cable on all the length of the line. This installation proved to be superfluous. The transverse beams were de-mounted without disconnecting voltage. The author describes the procedure applied. 4 diagrams.

Institution : None

Submitted : No date

SHIMANSKIY, YU. V.

AID P - 1398

Subject : USSR/Electricity

Card 1/2 Pub. 26 - 25/30

Author : Shimanskiy, Yu. V., Eng.

Title : Comments about the article of V. V. Burgsdorf, Doc. of Tech. Sci., and Ya. L. Bykhovskiy, Kand. of Tech. Sci.: "Remote control of sleet loads on electric power transmission lines" (Elek. Sta., No. 11, 1953), and reply of the authors.

Periodical: Elek. Sta., 2, 59, F 1955

Abstract : Yu. V. Shimanskiy approves the way the authors of the discussed article set the problem but considers it premature and risky to depend exclusively on such a method which is not sufficient to remove sleet. The method, namely, does not take into consideration that not only the conductors but the crossarms are loaded with

SHIMANSKIY, Yu.V., inzhener

Repairs on hot transmission lines. Energetik 3 no.5:5-7 S'55.
(MLRA 8:11)

(Electric lines--Maintenance and repair)

AID P - 2968

Subject : USSR/Electricity
Card 1/1 Pub. 29 - 18/35
Authors : Shimanskiy, Yu. V., Eng., and D. P. Sopov, Electrician
Title : ~~Transportable high-frequency telephone~~
Periodical : Energetik, 5, 23-24, My 1955
Abstract : The authors developed this telephone for communication over power circuits. A brief description is presented. One diagram of connections.
Institution : None
Submitted : No date

AID P - 3344

Subject : USSR/Electricity
Card 1/1 Pub. 29 - 2/27
Author : Shimanskiy, Yu. V., Eng.
Title : Experiments in working on live electric transmission lines
Periodical : Energetik, 9, 5-7, S 1955
Abstract : The author describes methods applied in repairing live lines of the "Donbassenergo". He describes devices used to protect the workers, the kinds of repair work done and results obtained. Two tables, 3 drawings.
Institution : None
Submitted : No date

Shimanskiy, Yu. V.

91-58-7-15/27

AUTHOR: Shimanskiy, Yu. V., Engineer

TITLE: Exchange of Experience (Obmen opytom). The Installation of Grounding Blades in 35 and 6 kv Distributing Systems (Ostavovka zazemlyayushchikh nozhey v raspredelitel'nykh ustroystvakh 35 i 6 kv).

LITERATURE: Energetik, 1958, Nr 7, pp 28-30 (USSR).

ABSTRACT: Stationary grounding blades are widely utilized and have to meet the requirements contained in Decision Nr 2/E of the Tekhnicheskiiy otdel MES (Technical MES Section) of February 10, 1954. In the Krasnodonskiy setevoy rayon (Krasnodon Network Rayon), two substations of 35/6 kv are fully equipped with stationary grounding blades, which are also installed in the 6 kv distributing system of another substation, as well as in the 2-stage double bar distributing system with "VMC-133" type switches. Figure 1 shows the electromagnetic blocking system of the stationary grounding blades installed on disconnectors of the "RLN-35" type. The single-line commutation system of the 35/6 kv substation is shown in Figure 3. The complete 6 kv distributing systems manufactured by the "Elektroshchit" plant for an

Card 1/2

91-58-7-13/27

Exchange of Experience. The installation of Grounding Blades in 35 and 6 kw Distributing Systems.

indoor installation of the "K-III" series and "Sh-23" type (outgoing line) have no stationary grounding blades. There are 2 circuit diagrams and 1 photo.

1. Electric power plants--Substations--Grounding. 2. Electric power plants--Substations--Equipment

Card 2/2

AUTHOR: Shimanskiy, Yu.V., Engineer

91-50-8-1/14

TITLE: The Organization of the Operation of Telemechanized Substations (Organizatsiya ekspluatatsii telekhanizirovannykh podstantsiy)

PERIODICAL: Energetik, 1959, Nr 9, pp 1-3 (USSR)

ABSTRACT: The organization of telemechanized transformer substations in the Krasnodon Grid System, which incorporates 12 substations including two of 110,000 v each, is described and the author demonstrates by means of tables and block diagrams the advantages telemechanization has to offer. The number of servicing personnel is cut and there is no longer any need of an attendant duty staff, thus increasing the productivity of labor. The organizational structure is simplified by cutting and combining the various services and installations. There are 2 tables and 3 block diagrams.

1. Electric power plants--USSR 2. Control systems--Effectiveness

Card 1/1

SOV/91-59-8-19/28

8(6), 14(6)

AUTHOR: Shimanskii, Yu. V., Engineer

TITLE: Installing an Insulated Ladder on a Telescopic Mount Instead of the Telescopic Tower

PERIODICAL: Energetik, 1959, No 8, pp 28-29 (USSR)

ABSTRACT: In the Krasnodonskiy network district of Donbassenergo an insulating ladder AT-20 was installed on a ZIL-151 instead of the telescoping tower TV-13.5, as shown in fig.1. A detailed diagram of the ladder mount is shown in fig.2. The kinematic diagram is shown in fig.3. The same mechanism used for elevating the telescopic tower is used for hoisting the ladder. About 1.5-2 hours are required for removing the telescoping tower and installing the ladder. The number of workers in a repair team is reduced by two men who were previously working at the winch. There are 1 photograph and 2 diagrams.

Card 1/1

SHIMANEI R.V. ind.

Melting ice from electric power transmission lines. Energetic
IP no. 24-25 5a '60. (MIRA 14:12)
(Electric lines--Overhead)

SHIMANSKIY, Yu.V., inzh.

Melting ice crusts on guard wires. Energetik 11 no.3:15-16
Mr '63. (MIRA 16:4)

(Electric lines—Overhead)

1. Introduction

1.1. The development of the foot
of the hind limb in the light of the
evolution of the hind limb in
mammals. "Development of the foot
of the hind limb in the light of the
evolution of the hind limb in
mammals," Dokl. Akad. Nauk, No. 4, 1960; "The
effect of limb conditions on the development of the
hind limb of the mouse," Izv. Vsesoyuzn. Nauchn. Tsentra
Kosm. Biol., No. 2, 1960; "The effect of the hind
limb conditions on the development of the hind limb
of the mouse," Dokl. Akad. Nauk, No. 3, 1960;
"The effect of the hind limb conditions on the
development of the hind limb of the mouse,"
Izv. Vsesoyuzn. Nauchn. Tsentra Kosm. Biol., No. 5, 1960.

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.55

СЕРГЕЕВ, С. И.

Yeastizatsionnye Vychisleniya Na Kontsentrirovannykh Yuzhkiakh (Studies
General on Concentrated Folds) Moskva, Akademiya, 1955.

194 p. Illus., Signs., Map, Tables.

At Head of Title: Akademiya Nauk SSSR, Institut Lenina.

Lit. return: S. 240-(253)

BOGOMOLOV, A. P., (Rus.); BOGOMOLOV, A. P., BOGOMOLOV, A. P. (Rus.); BOGOMOLOV,
BOGOMOLOV, A. P., AND BOGOMOLOV, Ye. A. (Rus.)

"Correlations between rates of Seasonal Development of Organisms and
Inorganic Factors of Surroundings."

report presented at a Phenological Conference in Leningrad, Nov. 1957,
by the USSR Geographical Society.

SHIMANYUK, Andrey Petrovich; PAPANIN, I.D., otvetstvennyy redaktor;
ANTONYUK, L.D., redaktor izdatel'stva; NOVIKOVA, S.G., tekhnicheskiiy redaktor

[What to observe in nature and how to observe it; practical methods and program for phenological observations] Chto i kak nabliudat' v prirode; metodika i programma fenologicheskikh nabliudenii. Moskva, Izd-vo Akademii nauk SSSR, 1957. 57 p. (MLRA 10:3)
(Phenology) (Nature study)

SHIMANYUK, Andrey Petrovich; MNKHLIYUDOVA, A.S., red.; MAKHOVI, N.H.,
tekh.red.

[Biology of trees and shrubs of the U.S.S.R.; a manual for teachers
of secondary schools] Biologiya drevesnykh i kustarnikovykh porod
SSSR; posobie dlia uchitelei srednei shkoly. Moskva, Gos. uchebno-
pedagog. izd-vo M-va prosv. RSFSR, 1957. 331 p. (MIRA 11:5)
(Trees) (Shrubs)

Shimanyuk, A.P.

USSR/Forestry - Forest Economy.

K-4

Abs Jour : Ref Zhur - Biol., No 2, 1958, 5888

Author : Shimanyuk, A.P.

Inst : -

Title : Basic Directions and Tasks of Forest Economic Science in the Taiga Zone of the European Part of the USSR

Orig Pub : Sb. statey po rezul'tatam issled. v. obl. lesn. kh-va i lesn prom-sti v tayezhn. zone SSSR, Moskva-Leningrad, Akad Nauk SSSR, 1957, 11-18.

Abstract : No abstract.

Card 1/1

Forestry, Forest Management,

1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025

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Natural Forest Regeneration on Outcrops of Outcrops in the Pine Forests of the Taiga Zone in European USSR and Methods of Improving them

1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025

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1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025

The forest growth conditions in the coniferous forests and boreal forest types in the central and southern taiga subzones are characterized. All forest types are summarized into 4 groups depending on the nature of natural pine regeneration and the forest management methods which provide for the success of regeneration. In lichen or sphagnum moss pine woods and the related types among the dry pine wood group. Successful regeneration can be achieved here

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Regular regeneration features in clear-cut areas of the taiga zone
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