

SOKOLOV, V.L.; BUSH, E.A.; KRICHEVSKIY, G.N.; MEDVEDEV, N.F.; POLYAKOVA, Ye.G.

Structure of the subsalt Paleozoic in the Caspian Lowland. Dokl. AN
SSSR 162 no.6:1370-1373 Je '65. (MIRA 18:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut prirodnogo gaza.
Submitted April 3, 1964.

SOKOLOV, V.L.; CHAYKOVSKAYA, E.V.

Distribution and characteristics of oil and gas manifestation
in the western part of the Caspian Lowland. Trudy VNIIGAZ
no. 25:3-14 '65. (MIRA 18:12)

ZOR'KIN, L.M.; MEDVEDEV, N.F.; SOKOLOV, V.L.

Prospects for finding gas in the Ural structural salient.
Trudy VNIIGAZ no. 25:83-88 '65. (MIRA 18:12)

L 27327-66 EWI(m)/EWP(t)/ETI IJP(c) JD

ACC NR: AR6016194

SOURCE CODE: UR/0058/65/000/011/D026/D026

AUTHOR: Osipov, O. A.; Semenova, I. M.; Kogan, V. A.; Minkin, M. I.; Sokolov, V. L.

TITLE: Infrared spectra of gallium, indium, titanium, and tin chlorides with some organic ligands

27 27 27 27 27 56
B

SOURCE: Ref. zh. Fizika, Abs. 11D203

REF SOURCE: Tr. Komis. po spektroskopii. AN SSSR, t. 3, vyp. 1, 1964, 76-83

TOPIC TAGS: spectrum analysis, chloride, IR spectrum, gallium, indium, titanium, tin

ABSTRACT: An infrared spectrum analysis was used for the study of the characteristics of interaction between gallium and indium chlorides with acetone, methylhexyl ketone, cyclohexanone, acetophenone, benzophenone, and some other oxygen-containing compounds. [Translation of abstract.] [KP]

SUB CODE: 07/ SUBM DATE: none

Card 1/1 PB

2

SOKOLOV, V.L.; BOROK, M.Ye.

New design of form-rails. Avt. dor. 21 no.5:24-25 My '58.

(MIRA 11:6)

(Road machinery)

SOKOLOV, V.L., inzh.

Double-lift dobby used in manufacturing large-figured heald
fabrics. Tekst. prom. 18 no. 7:34-37 J1 '58. (MIRA 11:7)
(Looms)

L 46113-66 EWT(m)/EWP(v)/T/EWP(t)/ETI/EWP(l) IJP(c) JD/HM
ACC NR: AP6031411 SOURCE CODE: UR/0135/66/000/009/0020/0023

AUTHOR: Chirkov, Ye. F. (Engineer); Sokolov, V. L. (Engineer); Mel'nikov, Yu. V. (Engineer)

37
C

ORG: none

TITLE: Automatic argon-shielded welding of M40 alloy

SOURCE: Svarochnoye proizvodstvo, no. 9, 1966, 20-23

TOPIC TAGS: aluminum alloy, alloy welding, MIG welding, automatic ~~arc~~ welding, ~~weld~~ mechanical property/M40 alloy

ABSTRACT: Experiments have been made to determine the optimum conditions for automatic MIG welding M40 aluminum alloy. Clad alloy sheets, 3-mm thick, heat-treated, strain-hardened and aged (TN1), or heat-treated and strain-hardened (TN), were automatically MIG welded with M40 or HMg6 alloy filler. All welds were found to be helium tight. The highest weld efficiency (87.7%) and a tensile strength of 38.5-42.2 kg/mm² at a bend angle of 38-40 deg were obtained in welds with base and root reinforcements made with M40 filler wire, a specific heat input of 0.408 cal/sec·cm, and a steel backup plate with a 6.0 x (1.2-1.3) mm groove. The same welds without reinforcement had a tensile strength of 34-35 kg/mm², a bend angle of 44-48 deg, and a weld efficiency of 76.5%. A 7-12% increase in the heat input lowers the weld strength by 12%. The use of a copper backup plate, the absence

UDC: 621.791.753.93:669.35

Card 1/2

ORESHKIN, V.D.; SOKOLOV, V.M.

Controlled bulk crystallization. Izv.Sib.otd. AN SSSR no.9:141
'58. (MIRA 11:11)

1. Zapadno-Sibirskiy filial AN SSSR.
(Founding)

18 (5)

SOV/128-59-11-16/24

AUTHORS: Bondarev, Yu.Ye., Candidate of Technical Sciences, and Sokolov, V.M., Engineer

TITLE: Cast Samples for Control of Mechanical Properties of Precision Castings

PERIODICAL: Liteynoye proizvodstvo, 1959, Nr 11, pp 40-41 (USSR)

ABSTRACT: The authors criticize the article written by N.M. Tuchkevich and V.S. Petrova published in "Liteynoye proizvodstvo" Nr 9, 1958. Additional information on con-
c eptions: fluidity limit, tensile strength, specific elongation, specific contraction and toughness of metals is given. There are 2 tables.

Card 1/1

ORESHKIN, V.D.; KRASNOV, A.N.; REPKIN, V.D.; ~~SOKOLOV~~, V.M.; FUKS, Yu.B.

Time length of holding large castings in the mold. Trudy Khim.-
met.inst.Sib.otd.AN SSSR no.14:139-145 '60. (MIRA 14:10)
(Founding)

ORESHKIN, V.D.; KRASNOV, A.N.; REPKIN, V.D.; SOKOLOV, V.M.; FUKS, Yu.B.

Forced cooling of large castings. Trudy Khim.-met.inst.Sib.otd.AN SSSR
no.14:147-151 '60. (MIRA 14:10)
(Founding) (Thermal stresses)

BABIY, P.T., inzh.; SOKOLOV, V.M., inzh.

Developing a rotary cultivator for peat bog soils. Trakt. i sel'-
khoz mash. no.3:21-25 Mr '58. (MIRA 11:5)

1. Ukrainskiy nauchno-issledovatel'skiy institut mekhanizatsii i ele-
ktrifikatsii sel'skogo khozyaystva.
(Cultivators)

SOKOLOV, V.M., naukovii pratsivnik

New machinery for land improvement. Mekh. sil'. hosp. 9 no. 6:12-
13 Je '58. (MIRA 11:7)

1. Ukrains'kiy naukovo-doslidniy institut mekhanizatsii sil'skogo
gospodarstva.

(Drainage)
(Excavating machinery)

SOKOLOV, V.M., nauchnyy rabotnik

~~Implements for cultivating soil in orchards. Mekh. sil'. hosp.~~
9 no.10:26-27 0 '58. (MIRA 11:10)

1. Ukrainskiy nauchno-issledovatel'skiy institut mekhanizatsii i elektrifikatsii sel'skogo khozyaystva.
(Agricultural implements)

SOKOLOV, V.M., inzh.-mekhanik

Tooth harrow. Mekh. sil'. hosp. 10 no.3:23 Mr '59.
(MIRA 12:6)

(Harrows)

SOKOLOV, V.M., inzh.

Raise the quality of grain sowing in Polesye. Mekh.sil'.hosp.
ll no.3:17-19 Mr '60. (MIRA 1:6)
(Polesye--Grain)

KOROLENKO, K.M., kand.tekhn.nauk; SOKOLOV, V.M., inzh.

A combined machine for tillage. Mekh. sil'.hosp. 11 no.8:28-29 Ag
'60. (MIRA 13:9)

(Tillage)

SOKOLOV, V.M., inzh.

Fundamentals of the theory of the stability of motion of drill coulters. Trakt. i selkhoz mash. 32 no.3:31-34 Mr '62. (MIRA 15:2)

1. Ukrainskiy nauchno-issledovatel'skiy institut mekhanizatsii i elektrifikatsii sel'skogo khozyaystva.
(Agricultural machinery)

SOKOLOV, V.M., inzh.; MANALYGA, V.S., inzh.

Device for the application of liquid toxic chemicals and fertilizers. Mashinostroenie no.1381-82 Ja-F '63.

(MIRA 16:7)

(Fertilizer spreaders)

3(2)

SOV/6-59-6-19/22

AUTHORS:

Oknin, Yu. A., Sokolov, V. M.

TITLE:

On Mechanizing the Inscription on Maps (O mekhanizatsii
naneseniya nadpisey na karty) (A Survey on Experience Made
Abroad) (obzor zarubezhnogo opyta)

PERIODICAL:

Geodeziya i kartografiya, 1959, Nr 6, pp 70-73 (USSR)

ABSTRACT:

This is an abstract of the following 3 papers in German and
1 paper in Czech: Keller, K. Photomechanische Verfahren der
Schrift Herstellung für Kartographische Zwecke. "Vermessungs-
technische Rundschau", Nr 5-6, 1958 (Photomechanical Procedure
of Inscription for Cartographic Purposes. "Geodetic Review",
Nr 5-6, 1958).
Pavel. Rotograph, ein Beschriftungsgerät für das Ritzverfahren.
"Vermessungstechnische Rundschau", Nr 3, 1957. (Rotograph, an
Inscription Device for the Scratch Method. "Geodetic Review",
Nr 3, 1957).
Pavel. Chemisches Ritzen. "Vermessungstechnische Rundschau",
Nr 9, 1957. (Chemical Scratching. "Geodetic Review", Nr 9, 1957).
Plachy, O. Návrh fotosázecího stroje pro potreby kartografie.
"Geodetický a kartografický obzor", Nr 8, 1958.
Besides, a report on the following machines is given:

Card 1/2

On Mechanizing the Inscription on Maps
(A Survey on Experience Made Abroad)

SOV/6-59-6-19/22

The Dutch machine "Khadego", the U.S. made device "Headliner" and the contact device "Fotokompozitor", the French photo-mounting machine "Bibette", and the West-German "Kholyuks-Kartolyuks". There are 4 figures and 4 references.

Card 2/2

SOKOLOV, V.M.; OKHIN, Yu.A.

Development of methods used in the production of plastic relief
maps in foreign cartography. Geod. i kart. no.8:69-72 Ag '60.
(MIRA 13:10)

(Relief maps)

SOKOLOV, V.M.

Plastic relief representation by the dark-plate method.
Geod. 1 kart. no.2:71-75 F '61. (MIRA 14:9)
(Map printing)

SOKOLOV, V.M.

New geographical atlas for the fourth grade. Geod. i kart. no.11:
46-50 N '61. (MIRA 15:1)

(Russia--Maps)

SOKOLOV, V.M.

Electric phenomena at the phase boundary graphite - liquid
iron carbon alloys. Lit. proizv. no.7:31-32 JI '63.
(MIRA 17:1)

L 41755-66 EWT(1)/EWT(m)/EEC(k)-2/T/EWP(t)/ETI/EWP(k) IJP(c) WG/JD

ACC NR: AP6011916

SOURCE CODE: UR/0141/66/009/002/0308/0313

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46
B

AUTHOR: Sokolov, V. M.; Tavger, B. A.

ORG: Scientific-Research Physico-Technical Institute, Gor'kiy University
(Nauchno-issledovatel'skiy fiziko-tehnicheskiy institut pri Gor'kovskom universitete)

TITLE: Nonuniform-magnetization model in the theory of spin-wave resonance in a thin ferromagnetic film

SOURCE: IVUZ. Radiofizika, v. 9, no. 2, 1966, 308-313

TOPIC TAGS: ferromagnetic film, spin resonance, MAGNETIZATION

ABSTRACT: The boundary conditions are assigned in accordance with two conventional extreme cases: (1) A fixed boundary, $m^-|_{0,L} = 0$ (E. Hirota, J.

Phys. Soc. Japan, v. 19, no. 3, 1964) and a free boundary, $\left. \frac{\partial m^-}{\partial z} \right|_{0,L} = 0$. (A. M.

Portis, Appl. Phys. Letters, v. 2, 69, 1963). It is also assumed that the

Card 1/2

UDC: 538.62

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ACC NR: AP6011916

4

magnetization nonuniformity is due to the excitation of spin waves and exists even in a perfect film. Thus, the definition of the boundary conditions results in a concrete form of the nonuniform magnetization. For fixed boundary conditions, the found "natural" nonuniformity contradicts the E. Hirota results. The problem of spin-wave resonance, under fixed boundary conditions, is solved by the disturbance method; in the first order, the energy correction is given by:

$$\varepsilon_n^{(1)} = \int m_{x,n}^+ \hat{W} m_{x,n}^- dv = \frac{\mu M_0 k T}{4AL} \left[\frac{1}{2} |\ln(1 - e^{-n^2/a})| + \sum_{p=1}^{\infty} |\ln(1 - e^{-n^2/a})| \right],$$

which is claimed to be in agreement with known experimental data. "In conclusion, the authors wish to thank V. V. Vas'kin, V. Ya. Demikhovskiy, and M. Ya. Shirobokov for useful discussions, and V. S. Metrikin for carrying out the calculations." Orig. art. has: 2 figures and 21 formulas.

SUB CODE: 20 / SUBM DATE: 09Jul65 / ORIG REF: 002 / OTH REF: 006

Card 2/2 *DL*

SOKOLOV, V.M., aspirant

Microflora of the nasal cavity and Highmore sinuses in chronic serous inflammation of the latter. Vest. otorin. no. 4:68-71 '62.
(MIRA 16:3)

1. Iz kliniki bolezney ukha, gorla i nosa (zav. - zasluzhenny deyatel' nauki Bashkirkoy ASSR prof. V.A. Smirnova) k kafedry mikrobiologii (zav. - zasluzhenny deyatel' nauki Bashkirkoy ASSR prof. N.I. Mel'nikov) Bashkirkogo meditsinskogo instituta, Ufa.

(NOSE--MICROBIOLOGY) (MAXILLARY SINUS---DISEASIS)
(SINUSITIS)

L 10381-63

ACCESSION NR: AP3002904

S/0289/63/000/001/0025/0031

AUTHOR: Kirgintsev, A. N.; Sokolov, V. M.; Burlakova, N. I. 44

TITLE: On the mechanism of the magnetic treatment of water

SOURCE: AN SSSR. Sibirskoye otdeleniye. Izvestiya. Seriya khimicheskikh nauk, no. 1, 1963, 25-31

TCPIC TAGS: boiler, feed water, magnetic treatment, magnetic field, corrosion, iron corrosion, oxygen, carbon dioxide, pH, ferrous ions, magnetite, calcium sulfate, calcite, scale, crystallization, crystallization nuclei

ABSTRACT: Magnetic treatment of boiler feed water was studied 1) to establish the type and quantity of iron corrosion products which go into the water during treatment and 2) to determine the effect of such products on slime precipitation. In part 1, distilled water was treated magnetically in three separate units (1, 2, and 3 in Figs. 1 and 2 of Enclosure). Units 1 and 2 consist of a glass or brass pipe with a concentric steel core inside and a set of electromagnets outside. Unit 3 consists of two steel flanged sleeves, between which a bronze

Card 1/4

L 10381-63
ACCESSION NR: AP3002904

spacing ring with a coil wound around it is clamped with steel bolts to form the two poles of an electromagnet; a concentric core is fastened inside the unit. In all three units, the water flows in the clearance between the core and the wall. Water flowing at a velocity of 1.2 cm/sec was exposed to magnetic field intensities of 420--1600 oersted. The carbon dioxide and oxygen content and the pH of the water were determined before and after treatment. Corrosion of the core or the wall of the steel sleeves in Unit 3 was evidenced by the presence of black sludge (magnetite); ferrous ions were detected in the treated water, and their concentration was quantitatively determined. Ferrous-ion concentration was found to be a function of magnetic field intensity, having a maximum at approximately 500 oersted, and of flow velocity, decreasing with an increase in the latter. Carbon dioxide content remained practically unchanged after the treatment, oxygen content dropped, and pH rose. The pH rise was attributed to corrosion to form ferrous ions as a result of the oxidation of metallic iron by oxygen. In part 2 a series of experiments was conducted with a solution of calcium sulfate, a typical scale-forming agent, to which an equal amount of magnetically treated distilled water was added. The mixtures were evaporated by boiling, and the amount of water evaporated up to the point at which crystals first appeared was recorded. The experiments proved that ferrous-ion

Card 2/4

L 10381-63
ACCESSION NR: AP3002904

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concentrations in the 0.0001--0.0008-mg range caused crystallization before saturation was reached. It was assumed that the ferrous ions, which in boiler water may result from the thermal decomposition of ferrous carbonate, act as crystallization nuclei in the formation of, e. g., calcite crystals in the bulk of the feedwater. The fact that magnetically treated water preserves its properties for only about 24 hours is explained by the gradual oxidation of the ferrous ions to ferric. "In conclusion the authors of the article express their sincere gratitude to O. N. Lebedev and A. N. Khoye for their practical assistance and valuable advice during the accomplishment of this work." Orig. art. has: 5 figures, 4 tables, and 3 formulas.

ASSOCIATION: Institut neorganicheskoy khimii Sibirskogo otdeleniya AN SSSR, Novosibirsk (Institute of Inorganic Chemistry of the Siberian Department AN SSSR)

SUBMITTED: 05Jul62 DATE ACQ: 24Jul63

ENCL: 01

SUB CODE: 00 NO REF SOV: 005

OTHER: 004

Card 3/4

1. POPOVA-BATUEVA, L. V.: SOKOLOV, V. K., D.V.H.
2. USSR (600)
4. Cattle - Diseases
7. Therapy and preventive treatment in the laziasis of cattle. Veterinariia 29 no. 12, 1952.

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

SOKOLOV, V. M.

SOKOLOV, V. M.: "Deaf-mutism among the population of the Buryat-Mongol ASSR before and after the October Socialist Revolution". Ulan-Ude, 1954. Kazakh Medical Inst imeni V. M. Molotov. (Dissertations for the degree of Candidate of Medical Science.)

SO: Knizhnaya Letopis' No. 50 10 December 1955. Moscow.

SOKOLOV, V.M.

For a rapid development of the knit goods industry. Tekst.prom.
23 no.5:7-10 My '63. (MIRA 16:5)

1. Nachal'nik otdela shveyroy, trikotazhnoy i tekstil'no-galantereyroy
promyshlennosti Soveta narodnogo khozyaystva SSSR.
(Knit goods industry)

Sokolov, V. M.

✓ Sokolov, V. M. On periodic oscillations of Lyapunov systems in a special case. Ural. Politehn. Inst. Trudy 51 (1954), 12-19. (Russian)
Study of the periodic solutions of

Wolli

(1) $\dot{x} = Ax + X(x),$

where x, X are $(n+4)$ -vectors, A is a constant matrix with two pairs of complex characteristic roots of the form $\pm \lambda i, \pm k \lambda i, k$ an integer, and the components of X are power series with terms of degree ≥ 2 . Moreover, it is assumed that there is a first integral $H(x) = \text{const}$, where H is a power series which actually begins with terms of the second degree. A first change of variable reduces (1) to the form

$$\begin{aligned} \dot{x}_1 &= -k\lambda y_1 + \dots, & \dot{y}_1 &= k\lambda x_1 + \dots, \\ \dot{x}_2 &= -\lambda y_2 + \dots, & \dot{y}_2 &= \lambda x_2 + \dots, \\ \dot{z} &= Bz + \dots, \end{aligned}$$

where \dots are analytic of the same type as the components of X, z is an n -vector and B is a constant matrix without characteristic roots of the form $\pm p \lambda i, p$ an integer. The first integral may then be taken as

$$k_1(x_1^2 + y_1^2) + x_2^2 + y_2^2 + W(x, y, z) = \mu^2,$$

V2

ДОЛЖНО, Y.M.

where k_1 is a positive constant and W is a power series beginning with terms of the third degree in x_1, y_1 and of the second degree in the components of z . Then the change of variables

$$x_1 = rx, y_1 = ry, x_2 = r \cos \theta, y_2 = r \sin \theta, z = ru,$$

reduces the system to the form

$$\frac{dx}{d\theta} = -ky + \mu^{m-1}P_m + \mu^m P_{m+1} + \dots,$$

$$\frac{dy}{d\theta} = kx + \mu^{m-1}Q_m + \dots,$$

$$\frac{du}{d\theta} = Cu + \mu^{m-1}R_m + \dots,$$

$$\omega = l \text{ for } l < m, = m \text{ for } l \geq m,$$

where P, \dots are analytic in t, x, y, u , and m is the least degree term in the first four \dots , and l the same in the fifth. At this stage the system is of a type studied for periodic solutions by Malkin [The methods of Lyapunov and Poincaré in the theory of non-linear oscillations, OGIZ, Moscow-Leningrad, 1949; MR 12, 28].

S. Lefschetz (Mexico, D.F.)

2/2

SOKOLOV, V.K.

Experience in manufacturing artificial furs with knitted warp.
Leg.prom. 18 no.11:51-54 H '58. (MIRA 11:12)
(Fur, Artificial)

SOKOLOV, V.M.; ZARKHIN, V.A.

Expansion of the knit goods industry during the seven-year plan.
Tekst. prom. 19 no.6:5-10 Je '59. (MIRA 12:9)

1. Nachal'nik podotdela otdela legkey promyshlennosti Gosplana
SSSR (for Sokolev). 2. Rukovoditel' laboratorii Vsesoyuznogo
nauchno-issledovatel'skogo instituta trikotazhnoy promyshlennosti
(for Zarkhin).

(Knit goods industry)

PA - 2706

AUTHOR Sokolov, V.M.
 DUKEL'SKIY V.M., SOKOLOV V.M.

TITLE The Negative Ions of Silicon, Germanium, Tin, and Lead.
 (Otrytsatel'nyye iony kremniya, germaniya, olova i svintsa).

PERIODICAL Zhurnal Eksperim. i Teoret.Fiziki, 1957, Vol 32, Nr 2, pp 394-395
 (U.S.S.R.)
 Received 5/1957
 Reviewed 6/1957

ABSTRACT In continuation of their studies the production of atomic negative ions the authors sought for ions of the elements of the right column of the IV.group of the periodic system. The ions of carbon were already known previously. The present work states the existence of the atomic negative ions of the elements Si, Ge, Sn, Pb. The negative ions were produced by means of an ion source on the occasion of the interaction of an electron bundle with the molecules of the halides of the element to be investigated. The negative ions were also produced by "re-charge", i.e. by transition of the surplus electron from the donor ions to the atoms of the substance to be investigated. The negative ions were analyzed and recorded by means of a magnetic mass spectrometer. There follow the experimental conditions and results for the individual elements:
 Silicon: Into the ion source SiCl_4 -vapors were introduced. In the spectrum of the negative ions the following groups of lines were determined: Si^- (28,29,30), Cl^- , SiCl^- , Cl_2^- , SiCl_2^- , SiCl_3^- , SiCl_4^- .
 Germanium: Here the possibility for the production of negative ions by means of a "re-charge" of negative antimony-ions with germanium atoms was tested. On the occasion of the sole introduction of germanium into the

Card 1/2

21(8)

AUTHORS:

Dukel'skiy, V. M., Sokolov, V. M.

SOV/56-35-3-56/61

TITLE:

The Negative Ions of Iron, Cobalt, and Nickel (Otritsatel'nyye iony zheleza, kobal'ta i nikelya)

PERIODICAL:

Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1958, Vol 35, Nr 3, pp 820-820 (USSR)

ABSTRACT:

In all cases that have hitherto become known, the production of negative atom-ions can be explained by the penetrating of an additional electron into the incomplete external group of equivalent electrons. According to the authors' opinion, also such atoms can have electron affinity in which the "free places" are not located on the periphery of the electron shell but in its deeper regions. In this connection the authors searched for negative ions of iron, cobalt, and nickel. For these experiments the authors used a mass spectrometer with a nearly 100-fold resolving power. The negative ions were obtained by exposing the corresponding molecules (which contain these atoms) to the action of an intense electron beam. For these tests the anhydrous dichlorides $FeCl_2$, $CoCl_2$, and $NiCl_2$ were used. The analysis of the content of negative

Card 1/3

The Negative Ions of Iron, Cobalt, and Nickel

SOV/56-35-3-56/61

ions gave the following results: 1) For FeCl_2 : when the ion source was used in the manner usual for mass-spectroscopic investigations, the lines of Cl^- , Cl_2^- , FeCl^- , FeCl_2^- , FeCl_3^- were found in the spectrum of negative ions. At higher temperatures the lines corresponding to the ions Fe^- (masses 54 and 65) occurred. - 2) For CoCl_2 : With the ion source used in the usual manner, the ions Cl^- , Cl_2^- , CoCl^- , CoCl_2^- , and also a weak line of Co_{59}^- were observed. With an intensification of the electron flux and of the density of the CoCl_2 -vapors in the source it was possible to increase the amperage of the Co^- -ions to $1 \cdot 10^{-13}$ A. - 3) For NiCl_2 : The lines of Cl^- , Cl_2^- , NiCl^- , NiCl_2^- , and also weak lines of Ni^- (masses 58 and 60) were observed. With an increased emission of the ion source the lines of Ni_{58}^- and Ni_{60}^- became considerably more intense, and also the line of Ni_{62}^- became noticeable. In conclusion, suggestions were made with respect to the structure of the ions Fe^- , Co^- , and Ni^- . There are 2 references.

Card 2/3

The Negative Ions of Iron, Cobalt, and Nickel

SOV/56-35-3-56/61

ASSOCIATION: Leningradskiy fiziko-tehnicheskii institut Akademii nauk
SSSR (Leningrad Physico-Technical Institute of the Academy
of Sciences, USSR)

SUBMITTED: July 5, 1958

Card 3/3

SOKOLOV, V.M.

[Atlas of positions for taking radiographs] Atlas ukladek pri
vypolnenii rentgenovskikh snimkov. Leningrad, Medgiz, 1955.
303 p. (MLRA 9:1)
(X-RAYS)

SOV/128-59-10-15/24

13(2,3,4)
AUTHOR:

Sokolov, V.M., Engineer

TITLE:

On the Electrokinetic Qualities of Graphite

PERIODICAL:

Liteynoye proizvodstvo, 1959, Nr 10, pp 40-42 (USSR)

ABSTRACT:

The author presents several abstracts of references. It is established by experiment (Ref.3), that white and gray cast iron always contain submicroscopic inclusion of graphite. Since the inner potential of pure graphite is not equal to the inner potential of pure cast iron, the submicroscopic graphite bears an electric charge and possesses electrokinetic qualities. The results of these experiments are shown in fig.4, curve 1. V.K. Semenchenko (Ref.4) found considerable sensitivity of the surface tension of mercury in his experiment, in comparison with other chemical elements. The influence of additions to the surface tension is based on the fact that the electrokinetic effect and the surface tension depend on two electric plies on the surface and the interaction between them at contact. By the method of small drops (Ref.5) it is established that the surface tension of iron carbon alloy can

Card 1/2

SOV/128-59-10-15/24

1 On the Electrokinetic Qualities of Graphite

be lowered by a higher carbon content (Table 2). The calculation of this is conducted according to the theory of Ya.I. Frenkel' (Ref.2). The examination of the electrocapillary effect in the metal-slag system is conducted by means of ref.6. The connection of this effect with electrokinetic effects is presented in ref.7. The author does not give any details on this reference. There are 2 diagrams, 2 graphs, 2 tables and 7 Soviet references.

Card 2/2

SOV/137-57-6-10460

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 6, p 151 (USSR)

AUTHORS: Spiridonov, A.A., Sokolov, V.M.

TITLE: Factors in Centrifugal-ball Treatment (Faktery rezhima tsentro-bezhno-sharikovoy obrabotki)

PERIODICAL: Sb. statey. Ural'skiy politekhn. in-t, 1956, Nr 63, pp 4-14

ABSTRACT: The centrifugal-ball treatment (CBT) consists of the plastic deformation of the surface layer of the metal caused by periodic impacts by balls. The balls are located in the radial troughs of a hardening disc; upon striking the surface they rebound into the center of the disc, whereupon through the action of the centrifugal force they again return to the edge position. The cleanness of the surface and the degree of plastic deformation of the surface layer depend upon the conditions of the CBT. The treatment is characterized by the following parameters: The angular speed of the hardening disc, the rate of movement of the article, the tightness of fit, the feed, and the number of passes. The sum total of these conditions determines the value for the following two factors: The force of the impact and the number of impacts per unit surface; these are the fundamental

Card 1/2

Factors in Centrifugal-ball Treatment

SOV/137-57-6-10460

parameters in the hardening process. The magnitude of the impact action on the surface being treated is measured by the magnitude of the impact impulse. The impact impulse is directly proportional to the angular velocity and proportional to the square root of the magnitude of the tightness of fit.

M.Ch.

Card 2/2

LYUBIMOV, L.A.; SOKOLOV, V.M.

Gyrotropic circular dielectric wave guide. Izv. vys. ucheb. zav.; radiotekh. 6 no.2:136-142 Mr-Apr '63. (MIRA 16:6)

1. Rekomendovana kafedroy radioelektronnykh priborov Moskovskogo ordena Lenina i ordena Trudovogo Krasnogo Znameni vysshego tekhnicheskogo uchilishcha imeni N.E. Baumana.
(Wave guides)

ANIKIN, Nikolay Aleksandrovich; IROBYSHEVSKAYA, Nadezhda Ivanovna;
DUDINOV, Vladimir Alekseyevich; KON'KOV, Arkadiy
Sergeyevich; KONYUKHOV, Sergey Mikhailovich; MESHCHERINOV,
Fedor Ivanovich; POLETSKIY, Aleksandr Timofeyevich; POLYAKOV,
Gleb Maksimovich; SAL'NIKOV, Oleg Alekseyevich; CHERNOBAY,
Dmitriy Gavrilovich; GAVRILOV, P.G., kand. tekhn.nauk, rensen-
zent; NEFED'YEV, G.N., kand. fiz.-mat. nauk; SOKOLOV, V.M.,
kand. fiz.-mat. nauk; SOKOLOVSKIY, V.I., kand. tekhn. nauk;
RUDIN, S.N., inzh.; EYDINOV, M.S., kand. tekhn. nauk; DUBITSKIY,
G.M., doktor tekhn. nauk, red.; ZAKHAROV, B.P., inzh., red.;
KONOVALOV, V.N., kand. tekhn. nauk, red.; PERETS, V.B., kand.
tekhn. nauk, red.; ROZENBERG, I.A., kand. ekonom. nauk, red.;
STEPANOV, V.V., kand. tekhn. nauk, red.; SUSTAVOV, M.I., inzh.,
red.; SHABASHOV, S.P., kand. tekhn. nauk, red.; DUGINA, N.A.,
tekhn. red.

[Handbook for inventors and innovators]Spravochnik dlia izobre-
tatel'ia i ratsionalizatora . [By] N.A.Anikin i dr. Izd.3., ispr.
i dop. Moskva, Mashgiz, 1962. 791 p. (MIRA 16:1)
(Technological innovations--Mechanical engineering)

SOKOLOV, V.M., inzh.

New cold storage warehouse in Severodvinsk. Knol.tekh. 40 no.3:
58 My-Je '63. (MIRA 16:9)
(Severodvinsk--Cold storage warehouses)

SOKOLOV, V.M. (Ufa)

Histopathological changes in the mucous membrane of Highmore's
antrum in serous chronic inflammation. Zhur. ush. nos. i gorl. bol.
23 no.6:60-64 N-D '63. (MIRA 17:5)

1. Iz kliniki bolezney ukha, gorla i nosa (zaveduyushchiy -
zasluzhennyy deyatel' nauki Bashkirskoy ASSR prof. V.A. Smirnova)
Bashkirskogo meditsinskogo instituta.

SOKOLOV, V.M., dots., kand. fiz.-mat. nauk; CHERNYY, V.F.,
retsensent; KLINSKIKH, N.A., nauchn. red.

[Problems on theoretical mechanics, manual] Sbornik zadach po teoreticheskoi mekhanike; uchebnoe posobie.
Sverdlovsk. Izd. Ural'skogo politekhn. in-ta im. S.M.
Kirova. Pt.1. 1964. 74 p. (MIRA 17:11)

SOKOLOV, V.M. Prinimal uchastiye MYSHETSKAYA, Ye.N.; SHUROV, S.I.,
red.; BASHLAVINA, G.N., red.; BIBIK, A.Ye., red.;
ZASLAVSKIY, I.I., red.; KONDRAT'YEV, B.A., red.; MYASISHCHEVA,
Ye.I., red.; SOLOV'YEV, A. I., red.; STROYEV, K.F., red.;
SCHASTNEV, P.N., red.; TANANKOVA, A.I., red.; TEREKHOV, N.M.,
red.; LOBZOVA, N.A., red.

[Atlas of Moscow Province] Atlas Moskovskoi oblasti. Moskva,
1964. 12 p. (MIRA 18:3)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye geodezii i
kartografii.

KIRGINTSEV, A.N.; SOKOLOV, V.M.

Effect of the preliminary action of magnetic field on the crystallization of calcium sulfate from aqueous solutions containing iron sulfate. Koll. zhur. 27 no.5:697-701 S-0 '65. (MIRA 18:10)

1. Institut ;organicheskoy khimii Sibirskogo otdeleniya AN SSSR, Novosibirsk.

KIRGINTSEV, A.N.; SOKOLOV, V.M.

Effect of the preliminary action of magnetic field on the thermal decomposition of aqueous calcium bicarbonate solutions. Koll. zhur. 27 no.5:702-704 S-0 '65. (MIRA 18:10)

1. Institut nerorganicheskoy khimii Sibirskogo otdeleniya AN SSSR, Novosibirsk.

1. Introduction

2. The role of the placenta in the maintenance of the contractile activity of the uterus during pregnancy and labor. Annot. I. V. N. no. 2:10-13 1965.
(MIRA 18:10)

3. The role of the placenta in the maintenance of the contractile activity of the uterus during pregnancy and labor. (auth. - prof. I. I. Yakovlev)
4. The role of the placenta in the maintenance of the contractile activity of the uterus during pregnancy and labor. I. I. Yakovlev.

...ism of the process of the liquid inoculation of cast iron.
lit. proizv. no.4:22-24 Ap '62. (MIRA 18:7)

SOBOLOV, V.M., Tech.

Effect of the expansion of the air charge in the reduction valve
on the thermal efficiency of the diesel. Paper IIT no. 1982-15
164. (VIRA 18:10)

DIN IN [Ting Ying], akademik [Pekin]; SOKOLOV, V.L. [translator]

Studying rice hulls found in the Yangtze Valley in burned red
clay of the Neolithic period. *Agrobiologia* no.4:563-567
Jl-Ag '60. (MIRA 13:8)

1. President Akademii sel'skokhozyaystvennykh nauk Kitaya.
(Yangtze Valley--Rice)

ACC NR: AT6021728

SOURCE CODE: UR/0000/66/000/000/0057/0070

AUTHOR: Gorelik, N. G.; Koloydenko, A. L.; Podol'skiy, T. S.; Sokolov, V. N.;
Stukalov, A. M.; Fudim, Ye. V.

ORG: none

TITLE: Design of pneumatic computing and control systems and their application in the automation of synthetic rubber production

SOURCE: AN SSSR. Institut avtomatiki i telemekhaniki. Pnevmoavtomatika (Pneumatic automation). Moscow, Izd-vo Nauka, 1966, 57-70

TOPIC TAGS: pneumatic control, pneumatic device, automatic pneumatic control, synthetic rubber, rubber working machinery, industrial automation, automatic control equipment

ABSTRACT: Pneumatic control systems used for automated production of synthetic rubber are described. Table 1 summarizes the types, functions, and typical applications of pneumatic devices in manufacturing of rubber. Three examples of specific applications follow. *Process optimization of contact breakdown of alcohol into divinyl.* This process depends on the catalyst activity, the composition of the contact mixture, feed of alcohol vapor, and catalyst temperature. The first two parameters are considered to be random disturbances and the last two, the controlling forces. The quality indicator of the process is the divinyl output for alcohol input. A block diagram of the system is

Card 1/4

ACC NR: AT6021728

TABLE 1 (Continued)

		The selection of a maximum (minimum) signal from a set of n signals Gate valve switching in flow lines Control through optimizing systems
	Control in response to quality indicators	Stabilization Optimization

shown in figure 1. The output of controlled process 1 is fed into isothermic condenser 2 where the liquid and gaseous product components are separated to determine the values of divinyl content and the condensate density. Densitometer 4 and chromatograph 3 perform these functions. Decoder 5 decodes the output of the chromatograph to make the divinyl concentration explicit. Calculating system 6 computes the values of quality indicators according to a predetermined formula. Device 7 averages the quality indicator signal with respect to time and thus reduces noise. Limit controller 8 regulates stabilization system 9 and 10 which in turn control the temperature and alcohol feed. The design and performance of pneumatic calculator and the controller are given in detail. *The pneumatic decoder for the DChP-3 Chromatograph* is intended for automa-

Card 3/4

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 GROUPS

PROCESSES AND PROPERTIES

2

Theory of rational combustion of solid fuel. V. N. Sokolov. Vestnik Metalloprod. 1938, No. 8-9, 38-51. — 1 Review with 10 references. S. L. Madorsky

COMMON ELEMENTS

COMMON VARIABILITY INDICES

OPEN MATERIALS INDEX

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND LETTERS

3RD AND 4TH GROUPS

5TH GROUP

6TH GROUP

7TH GROUP

8TH GROUP

9TH GROUP

10TH GROUP

11TH GROUP

12TH GROUP

13TH GROUP

14TH GROUP

15TH GROUP

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99TH GROUP

100TH GROUP

SOKOLOV, V.N., kandidat tekhnicheskikh nauk.

нагрев периодов

Heating-up periods for semifinished forgings. Vest.mash.27 no.12:
75-78 D '47. (Forging) (MIRA 9:4)

SOKOLOV, V. N.

USSR/Engineering
Dispersion Agents
Centrifuges, Ultra

Apr 48

PA 4/49TH7
"Exact Method of Dispersion Analysis by Means of a
Supercentrifuge," V. N. Sokolov, Sci Res Inst of
Chem Eng, 5 1/2 pp

"Zavod Lab" Vol XIV, No 4

Sokolov's previous article on this subject, "Zavod
Lab," Vol XIII, No 5, had assumed that suspended
particles were precipitated with constant speed and
that speed of flow of suspension along rotor of
centrifuge is uniform throughout the cross section.

4/49TH7

USSR/Engineering (Contd)

Apr 48

Here he presents full mathematical treatment of prob-
lem without these two limitations. Example shows
application of method to analysis of transformer oil

4/49TH7

SOKOLOV, V. N.

Hydrodynamics

Dissertation: "Investigation of the Hydrodynamics of Screen-Type Bubbling Plates in Application to Conditions of Rectification." Cand Tech Sci, Leningrad Technological Inst, Leningrad, 1953. (Referativnyy Zhurnal -- Mekhanika Moscow, Mar 54)

SO: SUM 213, 20 Sep 1954

1. SOKOLOV, V.N.; TROFILEYEV, N.N.
2. USSR (600)
4. Gear-Cutting Machines
7. Laborsaving methods in gear cutting, V.N. Sokolov, N.N. Trofileyev, Avt.trakt.prom. no. 4, 1953.

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

SOKOLOV, V.N.; VURTSSEL', I.S.

"Effect of the mechanical properties and heat conductivity of steel upon its machinability." Reviewed by V.N. Sokolov, I.S. Vurtsel'. Avt.trakt. prom.no.5:32-33 of cover My '53. (MLRA 6:5)

1. Moskovskiy avtozavod im.Stalina.

(Tashlitskii, N.I.) (Steel--Testing)

SOKOLOV, V.N.; TROFILEYEV, N.N.

Cold rolling of the Hindley worm gear of a steering wheel. avt.trakt.
prom. no.6:20-23 Je '53. (HLBA 6:6)

1. Moskovskiy avtozavod im. Stalina. (Automobiles--Steering gear)

ROMANOV, V.F.; SOKOLOV, V.N.

Flanking of worm-milling cutters. Stan.i instr. 24 no.7:37 JI '53,
(MLRA 6:8)
(Milling machines)

SOKOLOV, V.N., kandidat tekhnicheskikh nauk.

Lattice method for the calculation of the heating of bodies.
[Trudy] TSNIITMASH 66:5-82 '54. (MLBA 7:9)
(Steel ingots) (Metals--Heat treatment)

SOKOLOV, V.N., kandidat tekhnicheskikh nauk; KUROYEDOV, V.A., kandidat tekhnicheskikh nauk; SOROKIN, A.I., kandidat tekhnicheskikh nauk; LEBEDEV, A.V., inzhener; ZOBININ, B.F., inzhener; VOYEVODKIN, I.B., inzhener.

Investigation of the heating of large ingots. [Trudy] TSHIITMASH
66:83-115 '54. (MIRA 7:9)

1. TSHIITMASH (for Kuroyedov). 2. Uralmashzavod (for Voyevodkin).
(Steel ingots) (Metals--Heat treatment)

SOKOLCV, V

N

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615.918
.568

Raschety Nagreva Metalla (Calculations for Tempering Metal) Moskva,
Mashgiz, 1955.
100 p. Graphs, Tables.
"Literatura": p. (102)

SOKOLOV, Vladimir Nikandrovich; TEBN'KOV, B.P., redaktor; GOLYATKINA,
A.G., redaktor; ATCOVICH, M.K., tekhnicheskiy redaktor.

[Calculating the heat of metal in metallurgical furnaces]
Raschetny nagreva metalla v metallurgicheskikh pechakh. Moskva,
Gos.nauchno-tekhn. izd-vo lit-ry po cherno i tsvetnoi metal-
lurgii, 1956.130 p. (MLRA 9:5)
(metallurgical furnaces)

SOKOLOV, V. N.,

"New Methods of Calculation of the Heating of Metal in Industrial Furnaces," Moscow, 1958. (Dissertation presented and approved for the degree of Dr. Tech. Sci.) TsNIIITMASH.

NOSKOV, A.A.; SOKOLOV, V.H.

Calculating hydraulic resistance of sieve plates to the liquid.
Khim. nauka i prom. 3 no.4:518-520 '58. (MIRA 11:10)
(Plate towers)

SOKOLOV, V.N.

New method of calculating metal heating considering heat exchange
according to the Stefan-Boltzmann law. Kuz.-shtam. proizv. 1 no.9:
26-31 S '59. (MIRA 12:12)
(Metals--Thermal properties) (Heat--Transmission)

SOKOLOV, V.N., RESHANOV, A.S.

Effect of the time factor on the break-up of drops in a stream
made turbulent by a bubbling gas. Zhur.prikl.khim. 33 no.5:1068-
1075 My '60. (MIRA 13:7)

1. Leningradskiy tekhnologicheskii institut imeni Lensoveta.
(Drops) (Dispersion)

SOKOLOV, V.N.; GELLIS, Yu.K.

Shell and tube bubble reactor. Khim.prom. no.4:274-278 Ap '61.
(MIRA 14:4)

(Heat exchangers)

S/124/62/000/004/028/030
D251/D301

24,4200

AUTHORS: Korolev, V. I., Smirnov, I. G. and Sokolov, V. N.

TITLE: Investigating the stability of a cylindrical shell
with limited elasticity

PERIODICAL: Referativnyy zhurnal, Mekhanika, no. 4, 1962, 30, ab-
stract 4V212 (Uch. zap. MGU, 1961, no. 193, 22-41)

TEXT: Results are given of the experimental investigation of the
stability of thin cylindrical shells under the action of axial
compression in the presence of a constant internal pressure. 500
mm dia. shells made of 1X18H9T (1Kh18N9T) steel and of AMГ-6T
(AMG-6T) aluminum alloy were tested. Thickness of the shell was in
the range 1 - 2.5 mm. The shells were welded from sheets of the
material. A satisfactory agreement between the theoretical and ex-
perimental values of the critical load of the shell was established.
[Abstracter's note: Complete translation.]

Card 1/1

SOKOLOV, V.N.; SALAMAKHIN, A.D.

Heat transfer between gas-liquid systems and the heat exchange element.
Zhur.prikl.khim. 35 noll:2570-2573 N '62. (MIRA 15:12)

1. Leningradskiy tekhnologicheskii institut imeni Lensoveta.
(Systems (Chemistry)) (Heat-Transmission)

SOKOLOV, V.N.; SALAMAKHIN, A.D.

Heat transfer from the gas-liquid system to the wall of a
heat-exchange element under bubbling conditions. Zhur.prikl.
khim. 35 no.5:1022-1026 My '62. (MIRA 15:5)

1. Leningradskiy tekhnologicheskii institut imeni Leningra.
(Heat exchangers)

M. KITA, Yu.V.; S. KODOV, V.B.; KUZNETSOV, N.A.; SHAPIRO, A.Ya.

Infrared testing of sheet thermoplastic. Zhur. prikl. khim. 39
no.4:862-870 Ap '67. (MIRA 18:6)

L. Leningradskiy Tekhnologicheskii institut imeni Lensoveta.

SOKOLOV, V.N.

ATLASOV, I.P.; DEMOKIDOV, K.K.; DIBNER, V.D.; EGIJAROV, B.Kh.; IVANOVA,
A.M.; LOBANOV, M.F.; MARKOV, F.G.; RABKIN, M.I.; RAVICH, M.G.;
SAKS, V.N.; SOKOLOV, V.N.; TKACHENKO, B.V.; USTRITSKIY, V.I.;
NALIVKIN, D.V., nauchnyy red.; VASIL'YEV, R.P., red.; SOLOV'YEV,
L.D., red.; NEKHOROSHEV, A.P., red.; DOLGONOS, I.G., tekhn. red.

[Geological map of the Soviet Arctic] Geologicheskaya karta
Sovetskoi Arktiki. Sost. I.P. Atlasov [i dr.] Glav. red. F.G.
Markov.Nauchn. red. D.V. Nalivkin. [Moskva] 1957. ..Col.
map 89 x 131 cm. no. 4 sheets 51 x 72 cm. .. Scale 1:2,500,000.
..Inset: [Geological map of Wrangel Island] Geologicheskaya karta
Ostrova Vrangeliya, 1:1,500,000. (MIRA 11:8)
(Arctic regions--Geology--Maps)
(Wrangel Island--Geology--Maps)

SOKOLOV, V. N

"Carbon balance in the biosphere in connection with carbon distribution in the earth's crust" by V.A. Uspenskii. Reviewed by V. Sokolov. Geol. nefti 1 no.3:71-72 Mr '57. (MLBA 10:8)
(Carbon) (Rocks)

SOKOLOV, V.N.

Geology of the northern part of the West Siberian Plain. Trudy Nauch.-
issl. inst. geol. Arkt. 81:105-132 '57. (MIRA 11:5)

1. Chlen ekspeditsii instituta geologii Arktiki.
(West Siberian Plain--Geology)

SOKOLOV, V. N.

Division of the northern West Siberian Plain into tectonic
sectors. Trudy NIIGA 92:75-94 '58. (MIRA 13:4)
(West Siberian Plain--Geology, Structural)

SOKOLOV, V.N.

Oil and gas prospecting in the Ust' Yenisey area. Trudy NIIGA
92:108-119 '58. (MIRA 13:4)
(Yenisey Valley--Petroleum geology)
(Yenisey Valley--Gas, Natural--Geology)

STRELKOV, S.A.; DIBNER, V.D.; ZAGORSKAYA, N.G.; SOKOLOV, V.N.; YEGOROVA,
I.S.; POL'KIN, Ya.I.; KIRYUSHINA, M.T.; PUMINOV, A.P.; YASHINA,
Z.I.; SAKS, V.N., red.: HIKITINA, V.N., red.izd-va; GUROVA, O.A.,
tekhn.red.

[Quaternary sediments in the Soviet Arctic] Chetvertichnye
otlozheniia Sovetskoi Arktiki. Moskva, Gos. nauchno-tekhn.
izd-vo lit-ry po geol. i okhr.nedr, 1959. 231 p. (Leningrad.
Nauchno-issledovatel'skii institut geologii Arktiki. Trudy,
vol.91). (MIRA 13:5)

(Russia, Northern--Geology).

SOKOLOV, V.N.

First interdepartmental coordination conference on "Characteristics
of the Distribution of Gas and Oil Fields in Siberia and the Far
East." Inform.biul.NIIGA no.16:5-7 '59. (MIRA 15:3)
(Siberia--Gas, Natural--Congresses)
(Siberia--Petroleum geology--Congresses)

ATLASOV, L.P. and SOKOLOV, V.N.

"Main Features of the Tectonic Development of the
Central Soviet Arctic."

report presented at the First International Symposium on Arctic Geology, 11-13 Jan 60.
Calgary, Canada.

SKOLOV, Valentin Nikolayevich; SAKS, V.M., nauchnyy red.; SEGAL, Z.G.,
vedushchiy red.; YASHCHURZHINSKAYA, A.B., tekhn.red.

[Geology, and oil and gas potentials of the Arctic portion of
the West Siberian Plain] Geologiya i perspektivy neftegazonosnosti
arkticheskoi chasti Zapadno-Sibirskoi nizmennosti. Leningrad.Gos.
nauchn.-tekhn. izd-vo nefte i gorno-toplivnoi lit-ry. Leningr.otd-
nia, 1960. 153 p. (Leningrad.Nauchno-issledovatel'skii institut
geologii Arktiki. Trudy, vol.100) (MIRA 13:2)

1. Chlan-korrespondent AN SSSR (for Saks).
(Russia, Northern--Petroleum geology)
(Russia, Northern--Gas, Natural--Geology)

SONGICOV, V.M.; KULANOV, Yu.M.

Use of geological and geomorphological maps of closed regions for
oil prospecting. Trudy NIIKA 123:109-116 '61.

(MIRA 14:10)

~~*****~~
(Siberia—Oil sands)

(Siberia—Surveys—Plotting)

DEDEYEV, V.A.; NALIVKIN, V.D.; SIMONENKO, T.N.; SOKOLOV, V.N.;
SHABLINSKAYA

Structure of the Pre-Middle Jurassic basement of the West
Siberian Plain in the light of new data. Sov. geol. 5 no.7:26-40
Jl '62. (MIRA 15:7)

1. Vsesoyuznyy neftyancy nauchno-issledovatel'skiy geologoraz-
vedochnyy institut. Vsesoyuznyy nauchno-issledovatel'skiy
geologicheskyy institut i Nauchno-issledovatel'skiy institut
geologii Arktiki.

(West Siberian Plain--Folds (Geology))

GURARI, F.G.; KAZARINOV, V.P.; MIRONOV, Yu.K.; NALIVKIN, V.D.;
NESTEROV, I.I.; OSYKO, T.I.; ROVNIN, L.I.; ROSTOVTSEV,
N.N.; RUDKEVICH, M.Ya.; SIMONENKO, T.N.; SOKOLOV, V.N.;
TROFIMUK, A.A.; CHOCHIA, N.G.; ERV'YE, Yu.G.;
OMBYSH-KUZNETSOV, S.O., red.; LOKSHINA, O.A., tekhn.red.

[Geology and oil and gas potentials of the West Siberian
Plain, a new tank farm of the U.S.S.R.] Geologiya i nefte-
gazonosnost' Zapadno-Sibirskoi nizmennosti-novoi neftianoi
bazy SSSR. Novosibirsk, Izd-vo Sibirskogo otd-niia, 1963.
199 p. (MIRA 17:1)

ATLASOV, I.P.; BAKAR, V.A.; BONDAREV, V.I.; SYAGAYEV, N.A.; SOKOLOV, V.N.;
DIBNER, V.D.

Sketches of the tectonic structure of the central sector of the
Soviet Arctic. Trudy NIIGA 135:3-69 '63.

(MIRA 18:5)

ЛИСШИТС, Ю.Я.; СКАЛОВ, В.Н.

Conference on the geology of the Spitsbergen archipelago. Sov. geol.
8 no.4:150-155 Ap '65. (MIRA 18:7)

1. Nauchno-issledovatel'skiy institut geologii Arktiki.

NALIVKIN, V.D.; DEDEYEV, V.A.; IVANTSOVA, V.V.; KATS, Z.Ya.; KRUGLIKOV, N.M.;
LAZAREV, V.S.; SVFRCHEKOV, G.P.; CHERNIKOV, K.A.; SHABLINSKAYA, N.V.;
Prinimal učestviye: ZHABREV, I.P.; ROZANOV, L.N.; SOFRONITSKIY, P.A.;
KHAIN, V.Ye.; SIMONENKO, T.N.; SOKOLOV, V.N.; YAKOVLEV, O.N., gidrogeolog

[Comparative analysis of the oil and gas potential and tectonics
of the West Siberian and Turan-Scythian platforms.] Sravnitel'nyi
~~analiz~~ neft'egazožnosnosti i tektoniki Zapadno-Sibirskoi i Turano-
Skijskoi plit. Leningrad; Nedra, 1965. 322 p. (Leningrad.
Vsesoiuznyi neftianoi nauchno-issledovatel'skii geologorazvedochnyi
institut. Trudy, no.236) (MIRA 18:6)

SOKOLOV, V. N. direktor.

Preface. Trudy TSNIGMA no.1:3-5 '50.

(MLRA 6:9)

1. Tsentral'nyy nauchno-issledovatel'skiy gidrometeorologicheskiy arkhiv.
(Meteorology)

FEDOROV, Ye.Ye., professor; PREDTECHENSKIY, P.P.; BUCHINSKIY, I.Ye.; SEYANINOV, G.T., professor; BOSHNO, L.V.; ALISOV, B.P.; BIRYUKOV, N.N.; GAL'TSOV, A.P.; GRIGOR'YEV, A.A., akademik; EYGENSON, M.S., professor; MURETOV, N.S.; KHROMOV, S.P.; BOGDANOV, P.N.; LEHEDEV, A.N.; SOKOLOV, V.N.; YANISHEVSKIY, Yu.D.; SAMOYLENKO, V.S.; USMANOV, R.F.; CHUBUKOV, L.A.; TROTSENKO, S.Ya.; VANGENGEYM, G.Ya.; SOKOLOV, I.F.; STYRO, B.I.; TEMNIKOVA, N.S.; ISAYEV, E.A.; DMITRIYEV, A.A.; MALYUGIN, Ye.A.; LIEDEMAA, Ye.K.; SAPOZHNIKOVA, S.A.; RAKIPOVA, L.R.; POKROVSKAYA, T.V.; BAGDASARYAN, A.B.; ORLOVA, V.V.; RUBINSHTEYN, Ye.S., professor; MILEVSKIY, V.Yu.; SHCHERBAKOVA, Ye.Ya.; BOCHKOV, A.P.; ANAPOL'SKAYA, L.Ye.; DUNAYEVA, A.V.; UTESHEV, A.S.; RUDNEVA, A.V.; RUDENKO, A.I.; ZOLOTAREV, M.A.; NERSESYAN, A.G.; MIKHAYLOV, A.N.; GAVRILOV, V.A.; TSOMAYA, T.I.; DEVIATKOVA, A.M.; ZAVARINA, M.V.; SHMETER, S.M.; BUDYKO, M.I., professor.

Discussion of the report (in the form of debates) [of the current state climatological research and methods of developing it]. Inform. sbor.GUGMS no.3/4:26-154 '54. (MIRA 8:3)

1. Chlen-korrespondent Akademii nauk SSSR (for Fedorov). 2. Glavnaya geofizicheskaya observatoriya im. A.I.Voeykova (for Predtechenskiy, Lebedev, Yanishevskiy, Isayev, Rakipova, Pokrovskaya, Orlova, Rubinshteyn, Budyko, Shcherbakova, Anapol'skaya, Dunayeva, Rudneva, Gavrilov, Zavarina). 3. Ukrainskiy nauchno-issledovatel'skiy gidrometeorologicheskiy institut (for Buchinskiy).

(Continued on next card)

FEDOROV, Ye.Ya., professor; PREDTECHENSKIY, P.P., and others.

Discussion of the report (in the form of debates) [of the current state climatological research and methods of developing it]. Inform. sbor. GUGMS no.3/4:26-154 '54. (Card 2) (MIRA 8:3)

4. Vsesoyuznyy institut rasteniyevodstva (for Selyaninov, Rudenko).
5. Bioklimaticheskaya stantsiya Kislovodsk (for Boshno).
6. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova (for Alisov).
7. Ministerstvo putey soobshcheniya SSSR (for Biryukov).
8. Institut geografii Akademii nauk SSSR (for Gal'tsov, Grigor'yev).
9. Geofizicheskaya komissiya Vsesoyuznogo geograficheskogo obshchestva (for Eygenson).
10. Ministerstvo elektrostantsiy i elektropromyshlennosti SSSR (for Muretov).
11. Leningradskiy gosudarstvennyy universitet im. A.A.Zhdanova (for Khromov).
12. Tsentral'nyy nauchno-issledovatel'skiy gidrometeorologicheskiy arkhiv (for Sokolov, Zolotarev).
13. Gosudarstvennyy okeanograficheskiy institut (for Samoylenko).
14. Tsentral'nyy institut prognozov (for Usmanov, Sapozhnikova).
15. Institut geografii Akademii nauk SSSR i Tsentral'nyy institut kurortologii (for Chubukov).
16. Nauchno-issledovatel'skiy institut imeni Sechenova, Yalta (for Trotsenko).
17. Arkticheskiy nauchno-issledovatel'skiy institut (for Vangengeym).

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