

A Device for the Combined Study of Wear and
Fatigue of Steel

S/032/60/026/02/048/057
B010/B115

ected by applying a hydraulic load, and can be varied in the range 0.2 - 80 kg. The hydraulic pressure system works with MS-20 oil. In order to eliminate a break of the test specimen in the machine holders, it was turned down according to the method by I. V. Kudryavtsev (Ref 1). The testing machine is schematically represented (Fig 1). Diagrams of test specimens for the wearing- and fatigue tests (Fig 2) are given as well. There are 2 figures and 1 Soviet reference.

ASSOCIATION: Kiyevskiy institut grazhdanskogo vozdušnogo flota im. K. Ye. Voroshilova
(Kiyev Institute of Civil Aviation imeni K. Ye. Voroshilov)

Card 2/2

LUK'YANG , A.T.; SHAPAYA, S.N. (Alma-Ata)

"Solution of boundary layer problems on statical models".

report presented at the 2nd All-Union Congress of Theoretical and Applied Mechanics, Moscow, 29 Jan - 5 Feb 64.

LUKIYANOV, A. T.; SHARAYA, S. N.

"Solution of boundary-layer equations on a static electrointegrator."

report submitted for 2nd All-Union Conf on Heat & Mass Transfer, Minsk, 4-12
May 1964.

Kazakh State Univ.

L 38566-65 EWT(1)/EWP(m)/EPR/FCS(k)/EWA(1) Pd-1/Pi-4 WW
ACCESSION NR: AP5007984 S/0031/65/000/002/0063/0069

39
B

AUTHORS: Luk'yanov, A. T.; Sharaya, S. N.

TITLE: Solution of boundary layer problems on static models

SOURCE: AN KazSSR. Vestnik, no. 2, 1965, 63-69

TOPIC TAGS: analog computer, analog system, finite differences method, flow analysis, flow around flat plate, boundary layer, velocity profile

ABSTRACT: The authors have discussed an analog integrator model for solving boundary layer problems and other nonlinear systems. The analog model functions upon the principle of finite difference approximation of the fundamental differential equations. The integrator unit, consisting of several high-resolution functional potentiometers, is shown in Fig. 1 on the Enclosure. Examples of the use of the analog device are given. The first problem solved was the set of equations

$$u \frac{\partial u}{\partial x} + v \frac{\partial u}{\partial y} = U \frac{dU}{dx} + \nu \frac{\partial^2 u}{\partial y^2},$$
$$\frac{\partial u}{\partial x} + \frac{\partial v}{\partial y} = 0,$$

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describing the laminar boundary layer around a flat plate of infinite length. The plate is set along an axis x , and the flow is that of a viscous incompressible fluid. Boundary conditions taken are

$$u = v = 0 \text{ for } y = 0,$$

$$u = 1 \text{ for } y \rightarrow \infty.$$

The system may be reduced to the finite difference form

$$\frac{u_{n,k+1} - u_{n,k}}{\Delta x} = \frac{v}{(\Delta y)^2} \frac{1}{a} \sum_{i=1}^a \frac{1}{u_i} (u_{n-1,k} - 2u_{n,k} + u_{n+1,k}) -$$

$$- \frac{1}{b} \sum_{i=1}^b \frac{v_i}{u_i} \frac{1}{2.5y} (u_{n-1,k} - u_{n+1,k}),$$

$$v_{n,k+1} = v_{n,k} + u_{n,k} - u_{n,k+1}$$

$$a = \frac{u_{n,k+1} - u_{n,k}}{N}, \quad b = \frac{v_{n-1,k} - v_{n+1,k}}{N}, \quad N = 0.001$$

The analog forms compatible with the model discussed are written as

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$$V_{n,n+1} - V_{n,n} = \frac{1}{2+R/R_0} \frac{1}{a} \sum_{i=1}^c \frac{1}{V_i} [(V_{n-1,n} - 2V_{n,n} + V_{n+1,n})] -$$

$$- A \frac{1}{b} \sum_{i=1}^b V_i' (V_{n-1,n} - V_{n+1,n})$$

$$\frac{v \Delta x}{(\Delta y)^2} = \frac{1}{2+R/R_0} \frac{1}{a} \sum_{i=1}^c \frac{1}{u_i} = \frac{1}{a} \sum_{i=1}^c \frac{1}{V_i}$$

$$\frac{1}{b} \sum_{i=1}^b \frac{v_i}{u_i} = \frac{1}{b} \sum_{i=1}^b V_i' \frac{1}{2\Delta y} = A$$

A brief treatment of analog proportionality constants is given, and the solution of the velocity profile by finite difference is demonstrated graphically. A second example problem, that of outflow from an annular channel with a coaxial cylindrical rod, is solved in a similar manner, and the third example is a solution of the boundary layer in the presence of a chemical reaction on the surface of a catalytically active plate. The model is described as being useful in applied and academic research. System accuracy can be made high by proper grid space selection. Orig. art. has: 10 equations and 5 figures.

ASSOCIATION: none

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L 38566-65
ACCESSION NR: AP5007984

0

SUBMITTED: 00

ENCL: 01

SUB CODE: DP,ME

NO REF SOV: 002

OTHER: 002

Card 4/5

L 38566-65

ACCESSION NR: AP5007984

ENCLOSURE: 01^o

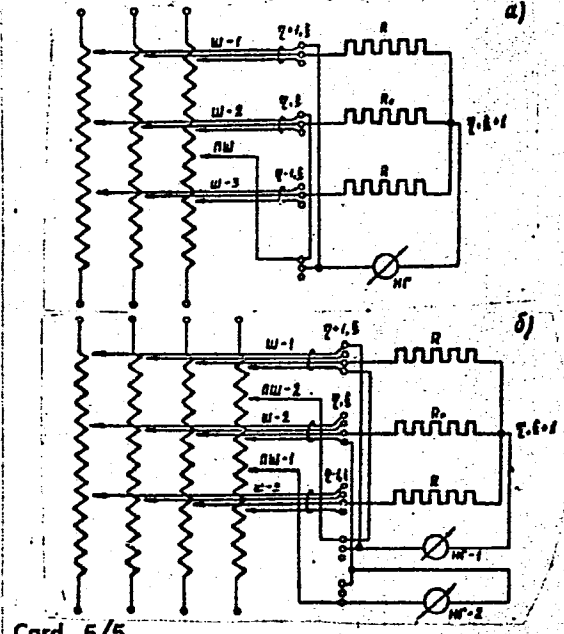


Fig. 1. Electrical diagram of the static electro-integrator.

- $\pi_1 - \pi_4$ - discrete potentiometers,
- ΠW - probe plug,
- W - plug,
- $H\Gamma$ - zero galvanometer,
- R, R_o, R - resistances of computational solution element.
- a) diagram of individual integrator units for solution of equations (2) and (6);
- b) diagram of connections in the integrator for solving equation 8.

Card 5/5

LUK'YANOV, A.T.; SHARAYA, S.N.

Solving boundary layer problems by the use of static models. Vest.
AN Kazakh.SSR 21 no.2:63-69 F '65. (MIRA 18:3)

KOROVIN, T.D.; SHARAYEV, A.N.; GNEDIN, V.Ye., redaktor; KOROVENKOVA, Z.A.,
tekhnichestkiy redaktor.

[In an advanced sector of the Kuznetsk coal fields; sector no.5,
mines no.3 - 3a of the Stalinugol' trust] Na peredovom uchastke
Kuzbassa; uchastok no.5 shakhty no.3 - 3-bis tresta Stalinugol'.
Moskva, Ugletekhizdat, 1954. 32 p. (MIRA 8:5)
(Kuznetsk Basin--Coal mines and mining)

GORBACHEV, Timofey Fedorovich, professor; ZAPADINSKIY, Aron Pankhusovich,
dotsent; SHARAYEV, A.N., redaktor; ALADOVA, Ye.I., tekhnicheskii
redaktor.

[Overhand stopping in the Kuznetsk Basin] Razrabotka svity
plastov kuzbassa v voskhodizshchem poriadke. Moskva, Ugletekhizdat,
1955. 92 p. (MLRA 9:1)
(Kuznetsk Basin--Coal mines and mining)

SHARAYEV, Anatoliy Nikolaevich; KOROVIN, Trofim Dmitriyevich; VESKOV,
M.I., otvetstvennyy redaktor; SHUSHKOVSKAYA, Ye.L., redaktor
izdatel'stva; ZAZUL'SKAYA, V.F., tekhnicheskiiy redaktor

[Innovations in the technology of coal mining in mines of the
Stalinugol' Trust in the Kuznetsk Basin; results of work over a
five-year period] Novoe v tekhnologii dobychi ugiya na shakhtakh
tresta Stalinugol' v Kuzbasse; itogi raboty za piat' let. Moskva,
Ugletekhizdat, 1957. 70 p. (MIRA 10:6)
(Kuznetsk Basin--Coal mines and mining)

SHARAYEV

CHINAKAL, N.A., prof., obshchiy red.; SHARAYEV, A.N., otvetstvennyy red.;
SHUSHKOVSKAYA, Ye.L., red.izdatel'stva; BEKKER, O.G., tekhn.red.,
IL'INSKAYA, G.M., tekhn.red.

[Progressive practice in applying mining systems in the Kuznetsk
Basin] Peredovoi opyt primeneniia sistem razrabotki v Kuzbasse.
Moskva, Ugletekhizdat, 1957. 271 p. (MIRA 11:1)
(Kuznetak Basin--Coal mines and mining)

CHARAYEV A N

ZHUKOVA, A.P., rukovoditel'; POPOV, I.A., rukovoditel'; RYKOVA, Z.L.,
rukovoditel'; ARKHIPOV, N.A., starshiy nauchnyy sotrudnik;
DZHIMSHLEYSHVILI, Sh.P., starshiy nauchnyy sotrudnik; DMITRIYEV,
G.V., starshiy nauchnyy sotrudnik; ZHURAVKOV, M.V., starshiy
nauchnyy sotrudnik; ISTOMIN, P.S., starshiy nauchnyy sotrudnik;
KURBATOV, A.K., starshiy nauchnyy sotrudnik; METLINA, T.I.,
starshiy nauchnyy sotrudnik; PUGINA, N.I., starshiy nauchnyy
sotrudnik; BOYKOV, M.A., otvetstvennyy red.; BEL'KE, G.V.,
otvetstvennyy red.; KLEYMENOV, F.N., otvetstvennyy red.;
SMOLDYREV, A.Ye., otvetstvennyy red.; ~~CHARAYEV, A.N.~~, otvetstven-
nyy red.; BUTAZOV, V.V., tekhn.red.; SABBITOV, A., tekhn.red.

[Progressive practices and new equipment] Peredovoi opyt i novaya
tekhnika. Moskva, Ugletekhizdat, 1957. 386 p. (MIRA 11:4)

1. Russia (1923- U.S.S.R.) Ministerstvo ugol'noy promyshlennosti.
TSentral'nyy institut tekhnicheskoy informatsii. 2. TSentral'nyy
institut tekhnicheskoy informatsii Ministerstva ugol'noy promyshlen-
nosti SSSR (for Zhukova, Popov, Rykova, Arkhipov, Dzhimshleyshvili,
Dmitriyev, Zhurakov, Istomin Kurbatov, Metlina, Pugina)
(Coal mines and mining)

KOROVIN, T.D., inzh.; SHARAYEV, A.N., inzh.

Mining with stope-filling systems. Bezop.truda v prom. 3 no.7:5-9
Jl '59. (MIRA 12:11)

(Kuznetsk Basin--Mine filling)

SHARAYEV, A.N.; KOROVIN, T.D.

P.IA.Usov, leader of technical progress. Ugol' 35 no.8:23-24 Ag '60.
(MIRA 13:9)

(Coal mines and mining--Labor productivity)

SHELKOV, A.A.; SHARAYEV, A.N.

Potentials for increasing labor productivity in the Kuznetsk
Basin coal mines. Ugol' 35 no.10:15-20 0'60. (MIRA 13:10)
(Kuzneysk Basin--Coal mines and mining--Labor productivity)

SKRYNNIKOV, Vasiliy Yegorovich; SHARAYEV, A.N., otv. red.; CHIZHOV, V.V., red.; MESHCHANKINA, I.S., tekhn. red.; MAKSIMOVA, V.V., tekhn.red.

[Survey of designs of loading units (feeders) in pressure hydraulic conveying] Obzor skhem zagruzochnykh ustroystv (pitately) pri napornom gidrotransporte. Moskva, TSentr. in-t tekhn. informatsii ugol'noi promyshl. 1962. 31 p.
(MIRA 16:1)

(Hydraulic conveying--Equipment and supplies)

ARKHIPOV, N.A., otv. red.; SHANAYEV, A.N., otv. red.

[Hydraulic coal mining in the Kuznetsk Basin] Opyt gid-ravlicheskoj dobychi uglia v Kuzbassa. Moskva, 1962. 97 p.
(MIRA 17:7)

1. Moscow. Tsentral'nyy institut tekhnicheskoy informatsii ugol'noy promyshlennosti.

TOPCHIYEVA, K.V.; ROSOLOVSKAYA, Ye.N.; SHARAYEV, O.K.

Effect of the degree of dehydration of aluminum oxide on its catalytic activity. Vest.Mosk.un.Ser.mat., mekh., astron., fiz., khim. 14 no.1:217-223 '59. (MIRA 13:8)

1. Kafedra fizicheskoy khimii Moskovskogo universiteta.
(Aluminum oxide)

S/204/61/001/006/001/004
E075/E436

AUTHORS. Topchiyeva, K.V., Sharayev, O.K., Perel'man, A.I.,
Topchiyev, A.V.

TITLE: Some data on the polymerization of ethylene on chromia
catalyst

PERIODICAL: Neftekhimiya, v.1, no.6, 1961, 780-785

TEXT: The object of the work was to continue the investigation of ethylene polymerization process on chromia catalyst in order to elucidate the nature of the catalytic activity. The chromia catalyst was deposited on alumino-silicate obtained from silica gel covered with 3% wt of Al₂O₃. One portion of the catalyst was activated in N₂ (dry air stream) for 4 hours at 500°C. The other portion was activated under vacuum at 350°C for 4 hours. Both catalysts contained 3% wt Cr. The quantities of Cr⁶⁺ were 1.25 and 1.96% wt for the catalysts activated under vacuum and in N₂ respectively. Experiments were carried out at several temperatures between 40 and 135°C. Ethylene was fed into reactor at the rate of 40 ml/min and each experiment lasted 40 min. Activity of the catalysts was obtained from the increases in their
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Some data on the polymerization ... S/204/61/001/006/001/004
E075/E436

easily reduced. This did not apply to the catalyst activated under vacuum (containing chromium chromates) which was much more difficult to reduce. The formation of the reduced form of chromium was confirmed by electron paramagnetic resonance spectra. There are 2 figures.

ASSOCIATION: Institut neftekhimicheskogo sinteza AN SSSR
Moskovskiy gosudarstvennyy universitet
Kafedra fizicheskoy khimii
(Institute of Petrochemical Synthesis AS USSR
Moscow State University
Department of Physical Chemistry)

SUBMITTED: October 12, 1961

Card 3/3

S/204/62/002/001/001/007
I032/1232

AUTHORS: Sergeyev, G. B., Sharayev, O. K., Topchiyeva, K. V., Perel'man, A. I., and Topchiyev, A. V.

TITLE: Investigation of chromic oxide catalysts for polymerisation of ethylene by the method of electron paramagnetic resonance

PERIODICAL: Neftekhimiya, v. 2, no. 1, 1962, 18-20

TEXT: The aim of this study was the verification of the hypothesis, previously expressed by the authors, that the activity of the catalyst is produced under the action of the reacting substance, ethylene. Experiments on polymerisation of ethylene over chromic oxide catalysts were carried out and the EPR spectra of the catalyst withdrawn from the reaction zone at different stages of the process were taken. The catalyst was prepared by impregnating aluminum silicate with an aqueous solution of chromic anhydride and subsequent activation. Two varieties of the catalyst, differing by the method of activation, were used. One was activated in a current of air at 500°, the other one— under vacuum at 350°. The catalyst activated under vacuum displayed an induction period. The EPR spectra of the two varieties of catalyst, taken at identical stages of the polymerisation process, were found to be practically identical with respect both to the line width and the value of

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Investigation of chromic oxide catalysts...

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1032/1232

the g factor (which was 1.97). The identity of the active centres in the two varieties of the catalyst was thus established. The observed narrow EPR line is attributed to a compound of quinquevalent chromium and the Cr^{3+} ions are considered to constitute the active centres. The induction period in the catalyst activated under vacuum is interpreted as the time necessary for the reduction of Cr^{6+} by ethylene. There are 2 figures.

ASSOCIATION Institut neftekhimicheskogo sinteza AN SSSR, Khimicheskii fakultet Moskovskogo Universiteta (Institute of Petrochemical Synthesis, AS USSR, Chemistry Faculty, University of Moscow)

SUBMITTED: November 24, 1961

Card 2/2

SHARAYEV, G.K.; TOPCHIYEVA, K.V.; PEREL'MAN, A.I.; TOPCHIYEV, A.V.

Nature of the induction period in the polymerization of ethylene on a chromium oxide catalyst. *Neftekhimii* 2 no.2:187-188 Mr-Apr '62.
(MIRA 15:6)

1. Institut neftekhimicheskogo sinteza AN SSSR i Moskovskiy universitet, kafedra fizicheskoy khimii.
(Ethylene polymers) (Catalysts, Chromium)

SERGEYEV, G.B.; SHARAYEV, O.K.; TOPCHIYEVA, K.V.; PEREL'MAN, A.I.;
TOPCHIYEV, A.V.

Electron paramagnetic resonance studies of chromium oxide
catalysts for ethylene polymerization. Neftekhimia 2 no.1:18-20
Ja-F '62. (MIRA 15:5)

1. Institut neftekhimicheskogo sinteza AN SSSR i Khimicheskij fakul'tet
Moskovskogo universiteta.
(Catalysts--Spectra) (Ethylene) (Polymerization)

TOPCHYEVA, K. V.; SHARAYEV, O. K.; PEREL'MAN, A. I.; RYABOVA, A. A.

Effect of the porous structure of the aluminosilicate carrier
on the polymerizing activity of the chromium oxide catalyst.
Plast. massy no. 5:11-13 '64. (MIRA 17:5)

L 2684-66 EWT(m)/EPF(c)/EWP(j)/T RM

ACCESSION NR: AP5023367⁴⁴⁵⁵ UR/0020/65/164/001/0119/0121 ✓
AUTHORS: Sharayev, O. K.; Alferov, A. V.; Tinyakova, Ye. I.; Dolgoplosk, B. A.⁴⁴⁵⁵
(Academician) ⁴⁴⁵⁵

TITLE: Transition from metal hydrides to π -allyl complexes and the initiation of the stereospecific polymerization of butadiene ³⁸

SOURCE: AN SSSR. Doklady, v. 164, no. 1, 1965, 119-121 ³⁴

TOPIC TAGS: polymer, catalysis, metal hydride, polymerization, stereospecificity, butadiene

ABSTRACT: The reaction of nickel hydrides with butadiene was investigated. It was found that nickel hydrides initiate the cis-polymerization (90%) of butadiene through a stage of π -crotyl complex formation. In other reactions the nickel amount passing to benzene solution was 20% of that calculated for unreacted ethyl magnesium bromide. The gaseous products evolved during the decomposition of the crotyl derivatives of nickel were mixtures of butenes (with a predominant amount of α -butene). The total yield of butenes was more than 1 mole per mole of organonickel compound. The stereospecific polymerization of butadiene with the formation of 1,4-polymer was investigated using nickel on kieselguhr and Raney

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ACCESSION NR: AP5023367

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nickel as catalysts (at 32-42C, for 3 hours) and using benzene and heptane as solvents (at 45% by volume butadiene concentration) in the presence of $TiCl_4$, VCl_4 , $AlCl_3$. The tabulated data show that the nature of the metal in the Lewis acid does not affect the microstructure of the polymer chain. The polymerization is effective in both benzene and heptane. Considering the data of nickel transition reacted with butadiene to π -crotyl derivatives, it can be assumed that analogous reactions occur on the surface of nickel catalysts. Orig. art. has: 1 table. 7

ASSOCIATION: Institut neftekhimicheskogo sinteza im. A. V. Topchiyeva, Akademii nauk SSSR (Institute of Petrochemical Synthesis, Academy of Sciences, SSSR) 44, 55

SUBMITTED: 27Mar65

ENCL: 00

SUB CODE: CC, CC

NO REF SOV: 004

OTHER: 008

RC
Card 2/2

SMIRNOV, N.I.; SHARAYEVA, K.M.
SMIRNOV, N.I.; SHARAYEVA, K.M.

Apparatus for chlorinating water. Kons. i ov. prom. 13 no.1:10-11
Ja '58. (MIRA 11:2)

1. Dagestanskiy konservnyy trest.
(Water--Chlorination)

SMIRNOV, N.I.; SHARAYEVA, K.M.

Continuous sterilizers. Kons. i ov. prom. 14 no.4:41-42 Ap '59.
(MIRA 12:5)
(Canning and preserving--Equipment and supplies)

SMIRNOV, N.I.; SMIRNOV, P.I.; SMIRNOV, S.I.; SHARAYEVA, K.M.

Automatic mixer. Kons.i ov.prom. 17 no.2:38-39 F '62.
(MIRA 15:5)

(Mixing machinery)

BERDYUKOVA, E.D.; INDSOVA, K.I.; ISHCHEENKO, A.M. (deceased);
KOLOMEYTSEVA, A.K.; LIFSHITS, M.M.; FAZUKHINA, D.K.;
SHARAYEVA, L.N.; SHIROKOV, A.Z.; VAL'TS, I.E., red.;
STRUYEV, M.I., red.; NIKOLAYEVA, I.N., red.

[Atlas of the Lower Carboniferous coals of the Donets Basin]
Atlas uglei nizhnego karbona Donetskogo basseina. [By] M.D.
Berdiukova i dr. Moskva, Nauka, 1964. 101 p.
(MIRA 18:4)

SHARAYEVSKAYA Z. N.

*Detection and frequency of enamel hypoplasia (Russian text) STOMATOLOGIJA 1953,
3 (23-27) Tables 2

Thanks to public health care of children in the USSR the frequency of enamel hypoplasia has decreased significantly in the last decades. It seems that hypoplastic teeth are more easily attacked by caries than normal ones. The common assertion that enamel hypoplasia is found more frequently in males than in females could not be verified.

Eggers Lura-
Holbaek (II, 5)

SO: EXERPTA MEDICA, Section II Vol. 7 No. 11

SHARAYEV KAYA, V. N.

SHARAYEVSKAYA, Z. N.--"Hypoplasia of the Enamel." (Dissertation for Degrees in *
Science and Engineering Defended by USSR Educational Institutions) Kiev Order of
Labor Red Banner Med Inst imeni Academician A. A. Bogomolets, Kiev, 1955. #Medical Sciences

30: Knizhnaya Letopis' No. 27, 10 September 1955.

SHARAYEVSKAYA, Z.N., kandidat meditsinskikh nauk (Kiyev)

Peculiarities of histological changes in the hard dental tissues
in hypoplasia of enamel. Probl. stom. 3:43-48 '56 (MLRA 10:5)
(TEETH--ABNORMITIES AND DEFORMITIES)

SHARAYEVSKAYA, Z.N., kandidat meditsinskikh nauk.

Course of caries in children with hypoplasia of enamel.
Probl. stom. 3:59-62 '56 (MLRA 10:5)
(TEETH--DISEASES)

SHARAYEVSKAYA, Z.N., kand.med.nauk (Kiyev)

Amount of microelements in the hard tissues of the tooth and
alveolar process in healthy persons and in those with paradent-
tosis. Probl.stom. 4:99-102 '58. (MIRA 13:6)
(GUMS--DISEASES) (TEETH)

SHARAYEVSKAYA, Z.N., kand.med.nauk

Data from a spectral analysis of hard dental tissue and the alveolar process in man under normal conditions and in pyorrhea alveolaris. Stomatologiya 37 no.2:12-14 Mr-Apr '58. (MIRA 11:5)

1. Iz kafedry terapevticheskoy stomatologii (zav.-prof. I.O. Novik) Kiyevskogo ordena Trudovogo Krasnogo Znameni meditsinskogo instituta imeni akademika A.A. Bogomol'tsa (dir.-prof. Ye.F. Samray)
(TEETH)

SHARAYEVSKAYA, Z.N., kand.med.nauk

Systemic anomaly of dentine structure with thinning of the enamel;
an observation. Stomatologiya 37 no.5:61-62 S-0 '58 (MIRA 11:11)

1. Iz kafedry terapevticheskoy stomatologii (zav. - prof. I.O. Novik)
Kiyevskogo ordena Trudovogo Krasnogo Znameni meditsinskogo
instituta imeni akad. A.A. Bogomol'tsa (dir. - dotsent I.P. Alekseyenko)
(TEETH--ABNORMITIES AND DEFORMITIES)

SHARAYEVSKAYA, Z.M. [Sharaiivs'ka, Z.M.], kand.med.nauk

Take care of your teeth. Nauka i zhyttia 9 no.12:45-46
D '59. (MIRA 13:4)

(~~TEETH~~---CARE AND HYGIENE)

SHARAYEVSKAYA, Z.N.

Role of short-wave diathermy in the compound treatment of pyorrhea
alveolaris. Probl. stom. 5:82-86 '60. (MIRA 15:2)

1. Kiyevskiy meditsinskiy institut.
(DIATHERMY) (GUMS__DISEASES)

SHARAYEVSKAYA, Z.M. [Sharayevs'ka, Z.M.], kand.med.nauk

Gingivitis. Nauka i zhyttia 10 no.6:36 Je '60.
(MIRA 13:7)
(GUMS--DISEASES)

RUDENKO, K.F., dotsent; SHARAYEVSKAYA, Z.N., kand.med.nauk

Recommended approach to the definition of categories "principle"
and "law" in biology. Nek.filos.vop.med.i est. no.2:506-317 '60.
(MIRA 15:7)

(BIOLOGY--PHILOSOPHY)

SHAFARIEVSKIY, Nikolay Pavlovich; ZVANKINA, L.N., red.

[Safety manual for workers assembling mining equipment]
Pamiatka po tekhnike bezopasnosti dlia rabochikh po
montazhu gornorudnogo oborudovaniia. Moskva, Stroiiz-
dat, 1964. 29 p. (MIRA 17:9)

SEARAYEVSKIY, Nikolay Pavlovich

[Safety manual on the cleaning and scouring of equipment
and piping] Famiatka po tekhnike bezopasnosti pri ochistke
i obezshirivanii oborudovaniia i truboprovodov. Moskva,
Stroiizdat, 1965. 26 p. (MIRA 18:10)

SHARBAECHEV, S.; SHAL'NOV, A., kand.tekhn.nauk; PANASYUK, T., inzh.

Equipment for taking up pavement. Stroi. truboprov. 7 no.10:22-23
0 '62. (MIRA 15:11)

1. Zamestitel' upravlyayushchego trestom Inzhstroy,
Tbilisi (for Sharbabchev).
(Road machinery) (Gas distribution)

L 43-65 EPF(c)/EEC(t)/EWT(1) IJP(c) GG/MW

ACCESSION NR: AP5011125

UR/0051/65/018/004/0698/0703

AUTHOR: Ivanov, A. P.; Sharbaf, I. D.

TITLE: Characteristics of light propagation in a turbid medium illuminated by a narrow beam of light

SOURCE: Optika i spektroskopiya, v. 18, no. 4, 1965, 698-703

TOPIC TAGS: turbidity, light scattering, milk, aerosol scattering, aerosol

ABSTRACT: An experimental analysis was made of the effect of the parameters of a medium on the scattering of narrow light beams. The experimental setup consisted of a glass tank (50 cm³) filled with a highly turbid medium (milk) and illuminating and receiving devices. An optical system was used to introduce a narrow parallel beam of light from a PRK-4 lamp into the tank from above or from below. The beam was subsequently scattered. The illuminating system was equipped to accommodate light filters, polaroids, and diaphragms. An FEU-25 photomultiplier was used to study the illumination in various parts of the medium. The photomultiplier, placed in the tank so that it was 15 cm from the segment whose intensity was being measured, was connected with that segment by means of a light tube. The optical characteristics of the medium (natural indices of scattering σ and absorption k)

Card 1/2

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ACCESSION NR: AP5011125

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were measured by means of an attachment to the SF-4 spectrophotometer, described earlier by the author (Izv. AN BSSR, Ser. fiz, no. 2, 1962, 39). It was shown that in a given range of concentrations, σ and k are proportional with respect to the amount of milk and dye (aniline black), and the attenuation factor (α) of the dye in milk was equal to the sum of σ and k . This suggests that with a change in concentration no physicochemical transformations (e.g., coagulation) occur and no cooperative phenomena are present. An empirical formula was devised for computing the illumination at great depths and at distances sufficiently far from the region in which the narrow light beam is propagated. The formula, however, holds only for large values of the lifetime probability of a quantum. Practically speaking, the characteristics of a light field remain invariant to the degree of polarization for any specific absorption k/σ , a conclusion which is significant in the study of polarization phenomena and the theory of radiative transfer. Orig. art. has: 1 table, 3 formulas, and 5 figures. [YK]

ASSOCIATION: none

SUBMITTED: 07Jan63

ENCL: 00

SUB CODE: OP

NO REF SOV: 004

OTHER: 009

ATD PRESS: 3244

Card 2/27B

SHARBARONOV, L.K.

SHARBARONOV, L.K.; GORYANSKIY, Yu.V., redaktor; BOLCHOK, K.N., tekhnicheskii
redaktor

[Practical diagram for determining heeling angles of a sailing
vessel] Prakticheskaja diagramma dlia opredelenia uglov krena
parusnogo suda. Leningrad, Gos. izd-vo Vodnogo transporta, Lenin-
gradskoe otd-nie, 1954. 30 p. (MLRA 8:3)
(Sailing)

SHAR-BARONOV, L., kapitan dal'nego plavaniya

Methods of riding out a storm at sea. Mor. flot 15 no.7:
12-14 J1 '55. (MIRA 8:9)

(Storms) (Navigation)

SHAR-BARONOV, L., kapitan-nastavnik

New textbook on Soviet maritime law ("Principles of Soviet maritime law" by G.L.Shmigel'skii, V.A.IAsinovskii. Reviewed by L.Shar-Baronov. Mor.flot. 20 no.8:44-45 Ag '60. (MIRA 13:8)

1. Murmanskoye arkticheskoye parokhodstvo.
(Maritime law) (Shmigel'skii, G.L.)
(IAsinovskii, V.A.)

SHARBATOV, I. T.

Recent developments in the organization and mechanization of
track maintenance. Zhel.dor.transp. 36 no.6:60-64 Je '55.
(MIRA 12:4)

1. Nachal'nik Klinskoy distantsii puti Oktyabr'skoy dorogi.
(Railroads--Track)

~~SHARRATOV, Ivan Tigranovich, inzhener; SERGEYEVA, A.I., inzhener, redaktor;~~
BOBROVA, Ye.M., tekhnicheskii redaktor

[Routine maintenance of tracks on gravel road beds] Tekushchee
soderzhanie puti na shchebenochnom osnovanii. Moskva, Gos. transp.
zhel-dor. izd-vo, 1957. 98 p. (MIRA 10:11)
(Railroads--Track)

SHARBATOV, I.T., inzhener.

Enlarged work teams for current track maintenance. Put' 1 put.
khoz. no.5:17-21 My '57. (MIRA 10:6)

1. Nachal'nik Klinskoy distantzii puti Oktyabr'skoy dorogi.
(Railroads--Maintenance and repair)

SHARBATOV, I.T., inzh. (g.Klin)

Manual for roadmasters and building inspectors ("Construction work and railroad buildings" by A.E. Vicherevin, F.G. Sokolov. Reviewed by I.T. Sharbatov). Put' i put.khoz. no.11:48 N '58. (MIRA 11:12)

(Railroads--Track) (Railroads--Buildings and structures)
(Vicherevin, A.E.) (Sokolov, F.G.)

SHARBATOV, I.I., inzh.

Progress in track machinery and operations on high-speed main
lines. Zhel.dor.transp. 43 no.10:67-72 O '61. (MIRA 14:9)

1. Nachal'nik Moskovskoy ukрупnennoy mekhanizirovannoy distantsii
puti i sooruzheniy Oktyabr'skoy dorogi.
(Railroads--Track)

IVANOV, K.Ye., kand. tekhn. nauk; SHARBATOV, I.T., inzh.; SHUL'GA,
V.Ya., kand. tekhn. nauk, dots.; NAUMOV, A.N., retsenzent;
SHAFIRKIN, B.I., retsenzent; KOLTUNOVA, M.P.; red.;
BOBROVA, Ye.N., tekhn. red.

[Efficiency of the new technology and mechanization in
track operation, maintenance and repair] Effektivnost'
novoi tekhniki i mekhanizatsii v putevom khoziaistve. Mo-
skva, Transzheldorizdat, 1963. 311 p. (MIRA 17:2)

BEZRUCHKO, V.S., inzh.; GOROZA, Z.I., inzh.; CHERNOBROVKIN, N.A.,
inzh.; SHARBATOV, I.T., inzh., retsenzent; ZHEREBIN,
M.I., inzh., retsenzent [deceased]; POTOTSKIY, G.I.,
inzh., red.; USENKO, L.A., tekhn. red.

[Handbook for the track supervisor] Spravochnik dorozhnogo
masterp. Moskva, Transzheldorizdat, 1963. 477 p.
(MIRA 16:7)

(Railroads--Track)

SHARBATOV, Ivan Tigranovich; SERGEYEVA, A.I., red.

[Design and maintenance of tracks in high-speed traffic sections] Ustroistvo i sodержanie puti na uchastkakh skorostnogo dvizhenia. Moskva, Transport, 1965. 151 p.
(MIRA 18:4)

SHARBATYAN, A. A.

History of the development of permanently frozen rocks as
revealed by the stidues in the West Siberian Plain. Trudy. Inst.
merzl. AN SSSR 19:127-143 '62. (MIRA 16:1)

(West Siberian Plain--Frozen ground)

SHARBERG B.I.

112-2-3867

- Translation from: Referativnyy Zhurnal, Elektrotehnika, 1957,
Nr 2, p.192 (USSR)
- AUTHOR: Sharberg, B.I.
- TITLE: Automatic Crane Scales (Avtomaticheskiye kranovyye
vesy)
- PERIODICAL: Tr. Tsentr. n.-i. in-ta mor. flota, 1955, 1, Nr 3,
pp.82-92
- ABSTRACT: Automatic weighing is done during the crane loading cycle
by totalling the weighing in the crane control cab which is
connected by cable with the suspended scales. The number
of weighings is recorded by a separate counter. Weighing
accuracy is 1.1 per cent. The weighing element is a
dynamometer of special steel which has an error of not
more than 0.3 per cent of the maximum scale indication.

Card 1/2

SHARBIN, YE. V.

Electromagnetism

Study of the depth of permeability of the magnetic field into a massive superconductor;
part 2. Zhur. eksp. i teor. fiz., 22, no 3, 1952.

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

TSEYTLIN, L.A.; TARASOVA, T.Ye.; KVASHA, A.S.; VOL'FOVSKIY, G.M.;
SHARCHILEV, V.I.; SAKOVSKIY, D.Ya.

Using gunite paste with a phosphate binder base for the hot
repairing of coke ovens. Koks i khim. no.7:33-36 '63.
(MIRA 16:8)

1. Ukrainskiy nauchno-issledovatel'skiy institut ogneuporov
(for Tseytlin, Tarasova). 2. Koksokhimstantsiya (for Kvasha,
Vol'fovskiy). 3. Khar'kovskiy koksokhimicheskiy zavod (for
Sharchilev). 4. Gosudarstvennaya inspektsiya po sluzhbe i
kachestvu ogneuporov (for Sakovskiy).
(Coke ovens—Maintenance and repair)
(Gunite)

SHARDAKOV, M. N.

Simple experiments in a lecture course in psychology. Vop.
psikhol. 2 no.6:178-184 N-D '56. (MLBA 10:2)

(Psychology--Study and teaching)

GOROKHOVSKIY, A.I.; ZINYUK, M.H.; SHARDAKOV, S.V.; SHILOV, V.S.

Semi-automatic distribution conveyer. Kozh.-obuv.prom.
no.10:9-12, 0 '59. (MIRA 13:2)
(Assembly-line methods) (Shoe manufacture)

KANASH, S.S., akademik, otv. red.; SHARDAKOV, V.S., kand. biol. nauk, otv. red.; GUBANOV, G.Ya., kand. biol. nauk, otv. red.; YENILEYEV, Kh.Kh., doktor biol. nauk, otv. red.; MUKHAMEDZHANOV, M.V., akademik, red.; RYZHOV, S.N., akademik, red.; ALIMOV, R.A., red.; DADABAYEV, A.D., akademik, red.; DZHALILOV, Kh.M., kand. ekon. nauk, red.; YEREMENKO, V.Ye., akademik, red.; ZAKIROV, K.Z., akademik, red.; MANNANOV, N.M., akademik, red.; NABIYEV, M.N., akademik, red.; SADYKOV, S.S., red.; TOGOYEV, I.N., kand. ekon. nauk, red.; YAKHONTOV, V.V., red.; PETROV, V.G., kand. sel'khoz. nauk, red.[deceased]; RAKHMANOVA, M.D., red.; BARTSEVA, V.P., tekhn. red.; KARABAYEVA, Kh.U., tekhn. red.

[Cotton] Khlopchatnik. Tashkent. Vol.4. [Physiology and biochemistry of cotton] Fiziologiya i biokhimiya khlopchatnika. 1960. 704 p. (MIRA 14:5)

1. Akademiya nauk Uzbekskoy SSR, Tashkent. 2. Akademiya nauk Uzbekskoy SSR (for Mukhamedzhanov, Kanash, Zakirov, Nabiyeu, Yakhontov, Yerehenko) 3. Uzbekskaya akademiya sel'skokhozyaystvennykh nauk (for Mukhamedzhanov, Ryzhov, Dadabayev, Yerehenko, Zakirov, Mannanov) 4. Chleny-korrespondenty AN UzSSR (for Alimov, Yerehenko, Sadykov, Yakhontov) 5. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk im. V.I.Lenina (for Kanash)

(Cotton)

SHARDAKOV, V.S.

DECEASED

1962/4

1901 - 1960

SEE ILC

BIOLOGY

SHARDANOV, A.

Reducing the cost of triangulation bench marks. Zhil.-kom.
khoz. 5 no.4:25-27 '55. (MIRA 8:9)

1. Inzhener instituta "Gosudarstvennyy Institut po proekti-
rovaniyu kommunal'nogo stroitel'stva"
(Triangulation) (Bench marks)

38851

S/056/62/042/006/002/047
B104/B102

21.640

AUTHORS: Shardanov, A. Kh., Shevchenko, V. G.TITLES: An investigation of the $\text{Li}^7(\gamma, p)\text{He}^6$ reactionPERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 42,
no. 6, 1962, 1438 - 1441

TEXT: The $\text{Li}^7(\gamma, p)\text{He}^6$ reaction was investigated using the betatron of the NIIYaF MGU with $E_{\gamma\text{max}} = 16.5$ Mev. Cross section, energy distribution and angular distribution of the photoprotons were measured. The excited levels of the Li^7 nucleus could be determined. The peaks in the photoproton energy distribution (2.3, 3.2 and 3.9 Mev) correspond to the 12.5, 13.5 and 14.3 Mev excited levels of the Li^7 nucleus. The cross sections are: $\sigma_{12.5} = (1.2 \pm 0.5) \cdot 10^{-27} \text{ cm}^2$; $\sigma_{13.5} = (0.5 \pm 0.25) \cdot 10^{-28} \text{ cm}^2$; $\sigma_{14.3} = (0.4 \pm 0.2) \cdot 10^{-28} \text{ cm}^2$. The spins of the levels (Table 1) are discussed. There are 3 figures and 2 tables.

Card 1/2

An investigation of the...

S/056/62/042/006/002/047
B104/B102

ASSOCIATION: Institut yadernoy fiziki Moskovskogo gosudarstvennogo universiteta (Institute of Nuclear Physics of the Moscow State University)

SUBMITTED: December 20, 1961

Table 1. Results.

Legend: (1) Level energies, Mev; (2) Γ_γ , Mev; (3) theory; (4) experiment.

| Энергия уровня, MeV | ② Γ_γ , MeV | | | ④ эксперимент | J, π |
|---------------------|-------------------------|----------------------|-----------------------|----------------------|----------|
| | ③ теория | | | | |
| | E1 | M1 | E2 | | |
| 12,54 | $13 \cdot 10^{-6}$ | — | — | $9,9 \cdot 10^{-6}$ | $3/2^+$ |
| 13,54 | — | $5,8 \cdot 10^{-7}$ | $8,20 \cdot 10^{-8}$ | $4,65 \cdot 10^{-7}$ | $1/2^-$ |
| 14,30 | — | $6,75 \cdot 10^{-7}$ | $10,60 \cdot 10^{-8}$ | $3,9 \cdot 10^{-7}$ | $1/2^-$ |

Card 2/2

SHARDANOV, A. Kh.; SHEVCHENKO, V. G.; YUR'YEV, B. A.

RU

"The Photodisintegration of Li^6 by Bremsstrahlung Gamma Rays with Maximum Energy 12.5 MeV."

report submitted for All-Union Conf on Nuclear Spectroscopy, Tbilisi, 14-22 Feb 64.

NII, YaF, MGU

Sci Res Inst Nuclear Physics, Moscow State Univ.

SHARDANOV, A.Kh.; SHEVCHENKO, V.G.; YUR'YEV, B.A.

Study of the $\text{Li}^6(\gamma, p)$ reaction. Izv. AN SSSR. Ser. fiz. 28
no.1:60-63 Ja '64. (MIRA 17:1)

1. Nauchno-issledovatel'skiy institut yadernoy fiziki Moskovskogo
gosudarstvennogo universiteta.

SHARDANOV, A.S.

Problem of the Phenomena of Tegmental Tectonics in Southeastern Caucasus
Dokl. AN Azerb. SSR, 9, No 2, 1953, 439-444 (Azerbaijdzhani resume)

Earlier unknown tectonic coverings have been observed in the upper reaches of the Firsagat and Kozluchay Rivers. The studied region enters the zone of the southern slopes and is disposed between the anticlinoria of the Glavnyy and Vandam ranges. The dimensions of the covering, called Sardykhana, are 4 km wide, 6.5 km long, and 300-400 meters thick. (RZhGeol, No 1, 1954)

SO: W-31128, 11 Jan 55

SHARDANOV, A.M.; MOLCHANOV, M.F.

The Astrakhan tectonic blanket deposit in southeastern Caucasus.
Izv. AN Azerb. SSR no.11:39-49 N'54. (MLRA 8:11)
(Caucasus--Geology)

SHARDANOV, A.N.

USSR/ Geology - Caucasus

Card 1/1 Pub. 46 - 7/21

Authors : Khain, V. Ye.; Shardanov, A. N.; Solov'yev, V. F.; and Grigor'yants, B. V.

Title : The tectonic position of the Apsheron peninsula in the system of Greater Caucasia

Periodical : Izv. AN SSSR. Ser. geol. 1, 80-92, Jan-Feb 1955

Abstract : Basing their considerations on the comparison of already known new factual geological material obtained in recent years, the authors analyze the question of the tectonic position of the Apsheron peninsula in the system of Greater Caucasia and arrive at the conclusion that it lies within the limits of the eastern boundary of the zone of the southern slope of Greater Caucasia. Eighteen references: 17 USSR and 1 German (1864-1953). Maps.

Institution :

Submitted : February 17, 1954

SHARDANOV, A. N.;GRIGOR'YANTS, B.V.;MURADYAN, V.M.

New data on breaks and unconformities within the Paleogene
in southeastern Caucasus. Izv.AN Azerb.SSR. no.9:27-37 S
'55. (Caucasus--Geology) (MLRA 9:1)

SHARDANOV, A. N.

USSR/ Geology

Card 1/1 Pub. 22 - 33/49

Authors : Khain, V. E.; Shardanov, A. N.; and Kasimova, N. M.

Title : The stratigraphy of the median Jurassic era deposits of south-eastern
Caucasus

Periodical : Dok. AN SSSR 100/5, 965-968, Feb 11, 1955

Abstract : Geological-stratigraphic data are presented regarding the central
Jurassic era deposits found in the south-eastern sections of the
Caucasus. Nine Russian and USSR references (1873-1953).

Institution : Academy of Sciences Azerb. SSR, The I. M. Gubkin Institute of Geology

Presented by : Academician N. M. Strakhov, November 11, 1954

SHARDANOV, A.N.

Brief outline history of the geological study of the southeastern
Caucasus. Trudy Inst.geol.AN Azerb.SSR 18:145-179 '56.

(MLRA 10:1)

(Caucasus--Geology, Stratigraphic)

SHARDANOV, A.N.

Petroleum-bearing potentialities of Mesozoic deposits in the
southeastern Caucasus. Azerb.neft.khoz. 35 no.7:1-4 J1 '56.
(Caucasus--Petroleum geology)

SHARDANOV, A.N.; KHAIN, V.Ye.

New data concerning the distribution and age of volcanogenic series
in southeaster Caucasus. Dokl.AN SSSR 111 no.4:866-869 D '56.
(MLRA 10:2)

1. Predstavleno akademikom N.M.Strakhovym.
(Caucasus--Rocks, Igneous)

Handwritten: P. 11:2
KHAIN, V.Ye.; SHARDANOV, A.N.; ABRAMOVICH, M.V., red.; TIL'MAN, A., red.
izd-va; POGOSOV, V., tekhn.red.

[Papers on the geology of Northeastern Azerbaijan] Materialy po
Savero-Vostochnogo Azerbaidzhana. Baku, 1957. 385 p. (MIRA 11:2)

1. Akademiya nauk Azerbaydzhanskoy SSR, Baku. Institut geologii.
(Azerbaijan--Geology)

SHARDANOV, A.N.; KHAIN, V.Ye.

New data on Mesozoic volcanogenous formations in the southeastern
part of the Greater Caucasus. Biul.MOIP.Otd.geol. 32 no.1:107-114
Ja-F '57. (MLRA 10:5)

(Caucasus--Geology, Stratigraphic)

SHARDANOV, A.N.

3(5) PHASE I BOOK EXPLOITATION SOV/2302

Akademiya nauk Ukrainekey SSR. Institut geologii poleznykh iskopyayemykh

Problema migratsii nefii i formirovaniya nefyanykh i gazovykh skopleniy; materialy Lvovskoy diskusii 8-12 maya 1957 g. (Problem of Oil Migration and the Formation of Oil and Gas Accumulations: Materials of the Discussion Held in Lvov, May 8-12, 1957) Moscow, Gosstokhizdat, 1959. 422 p. 1,100 copies printed.

Eds.: V. B. Porfir'yev, Academician of the Ukrainian SSR Academy of Sciences, and S. G. Brod, Professor, Kiev. Eds. P. B. Verbov, M.S. Adzhemiy, P. I. Kozlov, I. O. Brod, Professor, M.S. Lachybenko, V. B. Porfir'yev, Academician of the Ukrainian Academy of Sciences.

PURPOSE: This collection of articles is intended for a wide range of geologists and research workers interested in oil problems.

COVERAGE: Articles contained in this book deal with the problems of migration and accumulation of oil and gas. These problems were discussed in May 1957 at Lvov State University im. I. Franka at a scientific organization by the Ministry of Geology and Mineral Resources of the USSR, the Department of Geology and Oil Exploration of the Lvov Polytechnic Institute, and the Lvov Geologic Society. Theories on the origin of petroleum deposits and the conditions surrounding their occurrence are treated. There are 327 references: 232 Soviet, 86 English, 5 French, and 4 German.

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| Balukhovskiy, N.F. [Institut geologicheskikh nauk AN UkrSSR] Formation of Gas and Oil Deposits in the Eastern Part of the Donets Downways | 86 |
| Shardanov, A.N. and I.M. Zhivitea. Conditions for the Formation of Petroliiferous Beds in the Tertiary Deposits of the Southern Fringe of the Azovo-Kubanakiy Downways | 98 |

SHARDANOV, A.N.; NIKIFOROV, B.M.

Geological history and structure of the Yeysk-Berezn' region in the
Scythian platform. Trudy KF VIII no.1:118-136 '59. (MIRA 16:9)
(Caucasus, Northern—Geology, Structural)

SHARDANOV, A.N.

Tectonics of the southeastern Caucasus as compared to the north-
western Caucasus. Trudy KP VNI no.1:130-135 '59. (MIRA 14:2)
(Caucasus--Geology, Structural)

SHARDANOV, A.N.

Modern pattern of the Crimean Mountains and Ciscaucasia. Geol.
nefti i gaza 3 no.9:19-25 S '59. (MIRA 13:1)

1. Krasnodarskiy filial Vsesoyuznogo nefte-gazovogo nauchno-
issledovatel'skogo instituta.

(Crimean Mountains--Geology, Structural)

(Caucasus, Northern--Geology, Structural)

SHARDANOV, A.N.; PEKLO, V.P.

Upper Cretaceous lithofacies and sedimentation in the northern
slope of the northwestern Caucasus. Trudy KP VNII no.3:25-56
'60. (MIRA 13:11)

(Caucasus, Northern--Geology, Stratigraphic)

SHARDANOV, A.N.

Tectonic pattern of the northwestern Caucasus. Trudy *KF* VNIIG no.3:
82-119 '60. (MIRA 13:11)
(Caucasus, Northern--Geology, Structural)

SHARDANOV, A.N.; VOSKRESENSKIY, I.A.; NIKIFOROV, B.M.

Lithofacies and sedimentation in the Mesocenozoic of the
Yeisk-Berezan' area of the Scythian platform. Trudy ~~IF~~ VNIIG
no.3:120-142 '60. (MIRA 13:11)
(Krasnodar Territory--Geology)

GROSSGEYM, V.A.; YEGOYAN, V.L.; ZHABREV, I.P.; SHARDANOV, A.N.

"Structural geology" by G.D.Azhgirei. Reviewed by V.A.
Grossgeim and others. Izv.vys.ucheb.zav.; geol.i razv.
no.3:136-139 My '60. (MIRA 13:7)

1. Krasnodarskiy filial Vsesoyuznogo nauchno-issledovatel'-
skogo instituta nefiti.

(Geology, Structural)
(Azhgirei, G.D.)

SHARDANOV, A.N.

Types of Kuban oil and gas pools and conditions of their formation.
Trudy VNIGNI. no.27:55-72 '60. (MIRA 17:3)

SHARDANOV, A.R.

Principal results of the research carried out by the Krasnodar Branch of the All-Union Scientific Research Institute in the territory of the northern margin of the Azov-Kuban oil- and gas-bearing basin in 1958 and 1959. Trudy VNIGNI no.32: 194-210 '60. (MIRA 14:7)

1. Krasnodarskiy filial Vsesoyuznogo neftegazovogo nauchno-issledovatel'skogo instituta.

(Azov-Kuban region--Petroleum geology)
(Azov-Kuban region--Gas, Natural--Geology)

ZHIVITSA, I.; KOROTKOV, S.; SHARDANOV, A.

"Initial formation pressure in oil and gas fields" by B.A.
Tkhostov. Reviewed by I. Zhivitsa, S. Korotkov, A. Shardanov.
Geol. nefi i gaza 5 no.10:64, 3 of cover 0 '61. (MIRA 14:9)
(Petroleum geology) (Gas, Natural—Geology)
(Tkhostov, B.A.)

SHARDANOV, A.N.

Characteristics of the distribution of gas and oil in the Kuban.
Trudy KF VNII no.6:3-22 '61. (MIRA 15:2)
(Kuban--Petroleum geology) (Kuban--Gas, Natural--Geology)

ALADATOV, G.M.; BEDCHER, A.Z.; NIKIFOROV, B.M.; STOLOVITSKIY, G.M.;
SHARDANOV, A.N.

Boundary of the Paleozoic and Mesozoic in the Yeisk-Berezan' region
of the Scythian Platform. Trudy KF VNII no.6:113-121 '61.
(MIRA 15:2)
(Krasnodar Territory--Geology, Structural)

SHARDANOV, A.N.; PEKLO, V.P.

New data on the tectonics of the western subsidence in the Caucasus
and on Taman' Peninsula. Trudy KF VNII no.6:207-221 '61.
(MIRA 15:2)

(Caucasus, Northern--Subsidences (Earth movements))
(Taman' Peninsula--Subsidences (Earth movements))

SHARDANOV, A.N.

Geologic history of the northwestern Caucasus in the upper Cretaceous
and Tertiary in the light of new data. Trudy KF VNII no.6:285-299
'61. (MIRA 15:2)

(Caucasus, Northern--Geology)

SHARDANOV, A.N.; KIYKO, K.I.; ALADATOV, G.M.; NIKIFOROV, B.M.

Formation of the folded structure in the Yeisk-Berezan' region
of the Scythian platform. Trudy VNIGNI no.34:164-178 '61.
(MIRA 15:7)

(Krasnodar Territory--Folds (Geology))
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