

AGAPOV, Yu. Ya.

Oxykhemometry in mitral commissurotomy. Khirurgiia no.8:28-30
Ag '61. (MIRA 15:5)

1. Iz gosptal'noy khirurgicheskoy kliniki (zav. - prof. V.S.
Mayat) II Moskovskogo gosudarstvennogo meditsinskogo instituta
imeni N.I. Pirogova.
(MITRAL VALVE—SURGERY) (BLOOD—OXYGEN CONTENT)

AGAPOV, Yu. Ya.

Biliary-bronchial fistulae. Khirurgiia no.9:107-109 '62.

(MIRA 15:10)

1. Iz gosspital'noy khirurgicheskoy kliniki (zav. - prof. V.S. Mayat) II Moskovskogo gosudarstvenogo meditsinskogo instituta N.I.Pirogova.

(FISTULA, BILIARY) (FISTULA, BRONCHIAL)

AGA#OV, Yu.Ya.

Pulmonary ventilation in the early postoperative period. Vop.
enk. 3 no.12:30-34 '62. (MIRA 17:6)

1. Iz laboratorii anesteziologii (zav. - kand. med. nauk V.P. Smol'-
nikov) Instituta eksperimental'noy i klinicheskoy onkologii AMN
SSSR (dir.-deystvitel'nyy chlen AMN SSSR, prof. N.N. Blokhin).

AGAPOV, Yu. Ya., Primal uchastiye SHUVALOV, V.K.; SHEPKIN, N.G. red.;
PRONINA, N.D., tekhn. red.

[Collection of tables on gas exchange] Sbornik tablits po gazo-
obmenu. Moskva, Medgiz, 1963. 79 p. (MIRA 16:3)
(RESPIRATION) (BASAL METABOLISM)

SOV/3-58-12-16/43

AUTHOR: Agapova, A.A., Candidate of Historical Sciences

TITLE: Individual Interviews (Individual'nyye sobesedovaniya)

PERIODICAL: Vestnik vysshey shkoly, 1958, Nr 12, pp 52 - 53 (USSR)

ABSTRACT: The author points out the difficulties faced by evening-students in regard to the time available for study, and the necessity for the instructor to make the best use of lectures, seminars and consultations so as to facilitate the student in learning the subject. In 1954/55, the Chair of History at the Evening Department of the Moscow Engineering and Physical Institute decided that the student is not to leave any theme unstudied. In this connection the system of individual interviews found wide application. In the course of an interview the instructor calls the student's attention to the weak sides of his training, helps him to understand the difficult problems and advises him of additional literature to read. The author mentions new plans for seminar exercises for the evening courses in the History of the

Card 1/2

AGAPOVA, A.D.

Obshchiy Kurs Poligrafii (A general course on polygraphy) by A. D. Agapova,
V. I. Afanas'yeva, M. A. Barskaya (I Dr.) Moskva, Gos. Izd-vo Iskusstvo, 1954.
351 P. Illus., Diagr.

SO: N/5
741.91
.A2

NIRENSHTEYN, B.Z., nauchnyy sotrudnik; PREDVODITELEVA, A.D., nauchnyy sotrudnik PARSHINA, N.N., nauchnyy sotrudnik; AGAPOVA, A.D., nauchnyy sotrudnik; RAPOPORT, K.A., nauchnyy sotrudnik KOBLENTS, S.G., inzh.

Manufacture of chlorin knit underwear and its therapeutic use.
Tekst.prom. 21 no.6:71-73 Je '61. (MIRA 15:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut trikotazhnoy promyshlennosti (for Nirenshteyn, Prevoditeleva, Parshina, Agapova).
2. Institut obshchey i kommunal'noy gigiyeny (for Rapoport).
3. Trikotazhnaya fabrika "Krasnaya Zarya" (for Koblents).
(Knit goods industry)
(Underwear)

AGAPOVA, A.D., inzh.; PARSHINA, N.N., inzh.

Technology of the manufacture of knit goods from chlorinated yarn
and silk. Nauch.-issl.trudy VNIITP no.4:141-147 '63.
(MIRA 17:4)

AGAPOVA, A. I.

20941 Agapova, A. I. K Voprosu izucheniya parazitarnykh zabolevaniy molcd: ryb Alma-Atinskogo Karpovogo pitomnika. Izvestiya Akad. nauk Kazakh. SSR, No. 44, Seriya parazitol., Vyp: 6, 1948, p. 140-45.--Rezюме na kazakh. Yez.-- Bibliogr: 6 nazv.

SC: LETOPIS ZHURNAL STATEY - Vol. 28, Moskva, 1949

AGAPOVA A. I.

Jan/Feb 49

USSR/ Medicine - Pharmacology
History
Medicine - Drugs, Effects

"Pharmacogostic Studies of Digitalis, Rhododendron and Michelia Pascate Leaves,"
L. I. Sarova, Z. I. Boyarintseva, A. I. Agapova, 1 $\frac{1}{2}$ pp

"Med From USSR" No 1, 1949.

Authors have investigated pharmaceutical characteristics of above three plants, which they collected during scientific expedition of Moscow Phar Inst to the moist, subtropical regions of USSR in 1946. Summarizes their results.

PA LH/AST61

GVOZDEV, Ye.V.; AGAPOVA, A.I.

Helminths of the chickens of Kazakhstan. Trudy Inst.zool. AN Kazakh.
SSR 1:132-138 '53. (MIRA 10:1)
(Kazakhstan--Worms, Intestinal and parasitic)
(Parasites--Poultry)

AGAPOVA, A.I.

Materials on the helminths of rodents of Kazakhstan. Trudy Inst.zool.
AN Kazakh.SSR 1:146-159 '53. (MIRA 10:1)
(Kazakhstan--Worms, Intestinal and parasitic)
(Parasites--Rodentia)

AGAPOVA, A.I.

Materials on the helminths of trapping animals of Kazakhstan. Trudy
Inst.sool.AN Kazakh.SSR 1:160-162 '53. (MIRA 10:1)
(Kazakhstan--Worms, Intestinal and parasitic)
(Parasites--Fur-bearing animals)

GVOZIEV, Ye.V.; AGAPOVA, A.I.; MARTEKHOV, P.F.

Parasites of fish in the Ili River basin. Izv. AN Kaz. SSR
no.125:92-114 '53.

(MLRA 6:12)

(Ili River--Parasites) (Parasites--Fishes)

AGAPOVA, A.I.

Brachylecithum rodentini, a new liver parasite of rodents. Trudy
Inst.zool.AN Kazakh.SSR 3:118-120 '55. (MLRA 9:12)
(Marka-Kul' region--Trematoda) (Parasites--Field mice)
(Liver--Diseases)

GALUZO, I.G.; GVOZDEV, Ye.V.; DOLGUSHIN, I.A.; AGAPOVA, A.I.; SOKOLOVA, I.B.;
USHAKOVA, G.V. AVAZBAKIYEVA, M.P.; IBBASHEVA, S.I.

V.A.Dogel'; obituary. Vest.AN Kazakh.SSR 11 no.9:89-90 S '55. (MLRA 9:1)
(Dogel', Valentin Aleksandrovich, 1882-1955)

USSR / Zooparasitology - General Problems

G-1

Abs Jour: Referat. Zh. Biol. No. 1, 1958, 796

Author : Agapova, A.I.

Title : Parasites in Carps of Lake Biylyu-Kul.

Orig Pub: Sb. rabot po ikhtiologii i gidrobiol. No. 1,
Alma-Ata, 1956, 269-277

Abstract: In 1954, on opening 22 carp from Lake BiylyuKul (basin of the Talass River), 2 species of protozoa were found (*Myxobolus dispar* Thelohan and *Trichodina domerguei* Wallengren) and 5 species of trematodes (*metacercaria Diplostomulum spathaceum* (Rudolphi), *Dactylogyrus anchoratus* (Dujardin), *Dac. vastator* Nybelin, *Pseudacolpeteron pavlovskii* Buchovskii et Gusev, and *Gyrodactylus elegans* Nordmann). A list is fur-

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USSR /Zooparasitology - General Problems

G-1

Abs Jour: Referat Zh. Biol. No. 1, 1958, 796

nished of carp parasites in different Kazakh-
stan water basins.

Card 2/2

A G A P O V A , A . I .

G-1

USSR/Zooparasitology - General Problems

Abs Jour : Ref Zhur - Biol., No 3, 1958, 10030

Author : Agapova, A.I.

Inst :

Title : Fish Parasites in Water Reservoirs of Western Kazakhstan.

Orig Pub : Tr. In-ta zool. AN KazSSR, 1956, 5, 5-60

Abstract : Results of a thorough parasitological investigation of 1221 fish of 36 species in 1951-1953 of the Ural River, Kamysh-Samarski Lakes and of Lake Chelpar. 99 species of parasites were found: 16 protozoa, 33 monogenetic trematodes, 19 digenetic, 8 cestodes, 11 nematodes, 2 "skreben", 2 leeches, and 8 species of parasitic crustacea. More than half of all parasitic species were trematodes (52.4%): very prominently represented were monogenetic trematodes (among them 25 species of genus *Dactylogyrus*, 3 species of genus *Gyrodactylus*). Widely prevalent were larval forms of digenetic trematodes:

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USSR/Zooparasitology - General Problems

G-1

Abs Jour : Ref Zhur - Biol., No 3, 1958, 10030

ichthyoparasitofauna of separate water reservoirs indicated their similarity. Absence of parasites pathogenic to humans and animals is noted and parasite groups pathogenic to fish are analyzed. The stimulant of blackpunctate rash fish disease *Neascus cuticola* was found in fish of Chelkar Lake and Kamysh-Samarski Lakes.

Card 3/3

AGAPOVA, A.I.

Results of studying parasites of fishes in the bodies of water of
Kazakhstan. Trudy Inst. zool. AN Kazakh. SSR 7:121-130 '57.
(Kazakhstan--Parasites--Fishes) (MLRA 10:9)

POLAND/Zooparasitology - Parasitic Worms.

G-1

Abs Jour : Ref Zhur - Biol., No 5, 1958, 19607

Author : Agapova, A.I., Ismagilov, M.I.

Inst :

Title : Parasites of Thin-Toed Suslik.

Orig Pub : Tr. In-ta zool. AN KazSSR, 1957, 7, 291-293

Abstract : In dissecting 36 thin-toed susliks of sub-species Spermophilopsis leptodactylus leptodactylus and S. leptodactylus heptopotamicus in Kazakhstan in 1950-54, 3 species of nematodes were found (Dermatopallarya baylisi, Physaloptera sp. and Ph. leiperi) and skreben [?] moniliformis moniliformis.

Card 1/1

AGAPOVA, A. I.

"Parasitic Diseases in Fish in the Kazakh SSR,"

report submitted at Fourth International Regional Conference of Asian Countries on Parasitic Diseases in Animals, 31 May to 7 June 1958, Alma Ata, Kazakh SSR.

Cand. Biol. Sci., Inst. Zoology, Ala-Ata, Kaz SSR

USSR / Zooparasitology. General Problems.

G

Abs Jour: Ref Zhur-Biol., No 6, 1959, 24175.

Author : Agapova, A. I.
Inst : Institute of Zoology, AS Kazakh S.R.
Title : Peculiarities of Fish Parasitofauna Acclimatized
in the Reservoirs of Kazakhstan.

Orig Pub: Tr. In-ta zool. AN KazSSR, 1958, 9, 25-31.

Abstract: Data on parasitofauna of carp, (sazan), sturgeon (Acipenser nudiventris), Tench (Tinca tinca) and bream (abramisbrama) settled in the reservoirs of Kazakhstan are given. In the new reservoirs, the fish lost many parasites peculiar to them. Infection with local parasites occurs less frequently. An excellent example of such an infection was the presence in the carp (sazan)

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USSR / Zooparasitology. General Problems.

G

Abs Jour: Ref Zhur-Biol., No 6, 1959,

Abstract: acclimatized in Zaysan Lake of *Crepidostomum auriculatum* normally parasitic upon *Acipenseridae*. -- O. N. Baucr.

Card 2/2

GVOZDEV, Ye.V.; AGAPOVA, A.I.

Formation of the contemporary fauna of parasites infesting
fishes in the Balkhash-Ili Basin. Trudy Inst.zool.AN
Kazakh.SSR 12:183-191 '60. (MIRA 13:7)
(Balkhash region--Parasites)
(Ili Valley--Parasites)
(Parasites--Fishes)

АГАПОВА, А.И.

Parasites of fishes in waters of Kustanay Province.

Trudy Inst.zool.AN Kazakh.SSR 12:195-205 '60.

(MIRA 13:7)

(Kustanay Province--Parasites)

(Parasites--Fishes)

AGAPOVA, A.I.; MAKSIMOVA, A.P.

Parasites of fishes in waters of southern Kazakhstan. Trudy Inst.
zool. AN Kazakh. SSR 14:71-87 '60. (MIRA 13:12)
(Chu Valley--Parasites) (Talas Valley--Parasites)
(Parasites--Fishes)

AGAPOVA, A. I.

Helminths of squirrels in Kazakhstan. Trudy Inst. zool. AN
Kazakh. SSR 16:81-83 '62. (MIRA 15:10)

(Kazakhstan--Parasites--Squirrels)

(Kazakhstan--Worms, Intestinal and parasitic)

AGAPOVA, A. I.

Parasites of fishes in the upper and middle course of the Syr
Darya River. Trudy Inst. zool. AN Kazakh. SSR 16:135-144 '62.
(MIRA 15:10)

(Syr Darya River--Parasites--Fishes)

GVOZDEV, Ye.V.; AGAPOVA, A.I.

Changes in the parasite fauna of animals acclimatized in Kazakhstan.
Trudy Inst. zool. AN Kazakh. SSR 19:65-71 '63. (MIRA 16:9)
(Kazakhstan--Animal introduction)
(Kazakhstan--Veterinary parasitology)

GVOZDEV, Ye.V.; AGAPOVA, A.I.

Developmental cycle of the cestode *Milticeps endothoracicus*
Kirschenblat, 1948. Trudy Inst. zool. AN Kazakh. SSR 19:
72-82 '63.

(Cestoda)

(MIRA 16:9)

AGAPOVA, A.I.

Philometra leucisci, a new species of fish nematodes in Kazakhstan.
Trudy Inst. zool. AN Kazakh. SSR 19:137-138 '63. (MIRA 16:9)
(Chelkar, Lake--Nematodes) (Chelkar, Lake--Parasites--Leuciscus)

ACCESSION NR: AP4042193

S/0190/64/006/007/1327/1329

AUTHOR: Tevlina, A. S., Kotlyarova, S. V., Agapova, E. P.

TITLE: Phosphorylation of the grafted copolymer of polypropylene and polystyrene

SOURCE: Vy*sokomolekulyarny*ye soyedineniya, v. 6, no. 7, 1964, 1327-1329

TOPIC TAGS: grafting, grafted copolymer, ion exchange membrane, phosphorylation, polystyrene, polypropylene, polypropylene polystyrene copolymer, polymer film, polymer electrical property, phosphorus trichloride

ABSTRACT: Preliminary studies showed that ion-exchange membranes can be obtained by grafting polystyrene on polypropylene and the subsequent phosphorylation of the polystyrene side-chains. The mechanism of grafted copolymerization was then studied in the presence of initiators such as benzoyl peroxide in order to establish the optimal reaction conditions for obtaining a more uniform distribution of grafted polystyrene chains in the film. Grafting was carried out at the site of tertiary carbon atoms. The best polymer for grafting was found to be polypropylene, with an initial film thickness of 90-95 μ , specific gravity = 0.90, M_b = 3.1, tensile strength = 350 kg/cm², elongation at break 390%, and melting point 164-168C.

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ACCESSION NR: AP4042193

The reaction conditions are described. Tabulated data concerning the correlation between the degree of phosphorylation and the reaction time show that the best results were obtained by phosphorylation with PCl_3 and AlCl_3 for 12 hours at 65C. The electrochemical properties of the ion-exchange membranes formed were improved by oxidation of the phosphinous acid groups to phosphinic acid groups. Ion-exchange films subjected to oxidation had not only a higher acid number but also a lower electrical resistance. The best electrochemical properties were shown by membranes containing 5% phosphorus. Orig. art. has: 2 tables and 1 chemical equation.

ASSOCIATION: Moskovskiy khimiko-tekhnologicheskij institut im. D. I. Mendeleeva
(Moscow Institute of Chemical Technology)

SUBMITTED: 10Sep63

ENCL: 00

SUB CODE: OC

NO REF SOV: 003

OTHER: 000

Card 2/2

AGAPOVA, G.D.; FEYGEL'SON, I.B.

Geological characteristics of oil and gas pools of the Jivet stage (layer D₄) of the Stepnovskoye field. Geol. nefiti i gaza 6 no.6:37-39 Je '62. (MIRA 15:6)

1. Nizhne-Volzhskiy nauchno-issledovatel'skiy institut geologii i geofiziki.

(Saratov Province--Petroleum geology)
(Saratov Province--Gas, Natural--Geology)

14-57-7-14882

Translation from: Referativnyy zhurnal, Geografiya, 1957, Nr 7,
p 110 (USSR)

AUTHOR: Agapova, G. M.

TITLE: Data on Hydrochemical Characteristics of the
Dzhezkazgan Reservoir (Materialy k gidrokhimicheskoy
kharakteristike Dzhezkazganskogo vodokhranilishcha)

PERIODICAL: Sb. rabot po ikhtiologii i gidrobiol. Nr 1, Alma-Ata,
1956, pp 19-30

ABSTRACT: Flow regulation of the Kengir River, undertaken in
order to supply water to the population and industry
in the city of Dzhezkazgan, resulted in the formation
of a reservoir in 1950. The reservoir was studied
from 1951 to 1953 at 32 observation points, but the
present paper includes data obtained from only three
of the most typical ones. Calcium sulfate and mag-
nesium sulfate are the basic minerals in the water.

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14-57-7-14882

Data on Hydrochemical Characteristics (Cont.)

The author gives content curves for Ca^{2+} , Mg^{2+} , HCO_3^- , and SO_4^{2-} (milligrams-equiv/liter), for solid residual matter (in mg/liter), and for total hardness (in German degrees). The reservoir is satisfactory in its content of Ca (80 to 120 mg/l), of K, and of the biogene elements (P, N, Fe). Bicarbonates are of a secondary importance. Water near the bottom of the reservoir has a higher mineral content than water near the surface, which fact is characteristic of all large and comparatively deep reservoirs. The activity of biogenic matter in various seasons of the year was established by more than 2000 determinations. Phosphates were found to be derived from the bed of the reservoir. Daily and annual temperature changes were noted. Temperature fluctuations were more marked near the surface. The middle and lower layers of the lake had comparatively smooth temperature curves. The amount of gas in the lake was entirely adequate. During a 24-hour period, O_2 content is subject to two opposite processes. A quick O_2 supersaturation occurs near noon and lasts until evening; it is followed by a
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14-57-7-14882

Data on Hydrochemical Characteristics (Cont.)

gradual decline of O_2 during the night and morning. The reservoir is of the neutral-alk line type; its average annual active reaction corresponds to $pH = 1.03 \div 7.93$. The ability of water to become acid is fairly high. Type of bottom deposits depends on the soils in the surrounding area, on the character of local oozes, and on the biological activity of aquatic organisms. Fishing could become a profitable industry in this reservoir.

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G. M.

АГАПОВА, Г.М.

Hydrochemical characteristics of waters of the Alma-Ata Fish Farm.
Sbor.rab. po ikht. i gidrobiol.no.2:362-379 '59. (MIRA 12:11)
(Ili District--Fish ponds)

SOV-26-58-8-14/51

AUTHORS: Solov'yev, V.F., Kulakova, L.S., Agapova, G.V.

TITLE: Mountain Ranges on the Bottom of the South Caspian Sea (Gornyye khreby na dneyuzhnogo Kaspiya)

PERIODICAL: Priroda, 1958, Nr 8, pp 80-82 (USSR)

ABSTRACT: In the last few years soundings in the Caspian Sea have shown that the existing conception of the Southern Caspian Sea Basin as a flat bowl is not correct. The measurements were made by the expedition ships "Professor Soldatov", "Morskoy Geolog" (Sea Geologist), and by the hydrography ship "Sekstan". A profile has been worked out with a horizontal scale of 1 : 200,000 and a vertical scale of 1 : 100. In Figures 1 and 2, two typical profiles of the area are shown. The morphology of the continental shelf is very pronounced. Its average depth in the west is 75 m, in the east 110 m. A series of mountain ranges on the bottom of the sea has been detected alternating with depressions. In the west there are 4 ranges attaining altitudes of 200 - 500 m above the bottom. In the east there is 1 range with ridges of 250 - 400 m above the bottom. The eastern part of the South Caspian Sea is sinking in comparison to the western part. The

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SOV-26-58-8-14/51

Mountain Ranges on the Bottom of the South Caspian Sea

central part of the area is sinking in comparison with the northern section of the Apsheron treshold and the southern section of the Elburs ridge.
There is 1 map and 1 diagram.

ASSOCIATION: Kompleksnaya yuzhnaya geologicheskaya ekspeditsiya Akademii nauk SSSR (Complex Southern Geological Expedition of the USSR Academy of Sciences)

1. Caspian Sea 2. Geology--Caspian Sea

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5 (3)
AUTHORS: Solov'yev, V. F., Kulakova, L. S., SOV/20-129-5-46/64
Agapova, G. V.,

TITLE: Recent Data on the Tectonic Structure of the Bottom of the South Caspian Sea ✓

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 129, Nr 5, pp 1126-1129 (USSR)

ABSTRACT: The deeper places of the southern Caspian Sea have hitherto been insufficiently investigated. In the course of past 2 or 3 years profiles of the bottom relief (Fig 2) as well as a bathymetric and tectonic scheme (Fig 3) could be constructed by means of self-writing sonic altimeters in these places. Thereby an extremely complicated structure of the bottom and new hitherto completely unknown data were detected. Table 1 characterizes the relief of the shelf and of the slope. V. L. Pisachenko took part in the work. (1) The shelf breadth differs from the shelf-ice belt at the western- and at the eastern shore. The shelf-ice belt is in the west close to the shore, the distance is approximately 43 km; in the east approximately 130 km. (2) The depth of the shelf-ice belt fluctuates between 23 and 158 m. In the west it is lower (85 m);

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Recent Data on the Tectonic Structure of the Bottom of the South Caspian Sea SOV/20-129-5-46/64

in the east greater (121 m). The reason for this difference is a more intensive sinking of the eastern part. (3) The lowest depth of the shelf-ice belt corresponds to the anticlinal elevations of the sea bottom, the greatest depth to the synclinal depressions. The depth of the course of the shelf-ice belt may to a certain extent serve as a criterion of the recent tectonic movements (Ref 11). (4) The depth of the shelf-ice belt decreases in the direction of the Apsheron rise and the El'burs mountains and increases in the central part of the southern Caspian Sea. This proves that the two first mentioned regions are more intensively elevated than the middle part of the southern Caspian Sea. On the bottom of the southern part an entire system of submeridionally proceeding 400-500 m high subaqueous mountain chains was discovered. Figures 1 and 2 show that the relief and thus the tectonic structure of the western and eastern part of the southern Caspian Sea differ sharply. This proves a different geological character of these two parts. In the west there are narrow, extended, and so to speak compact elevations and depressions; in the east there are undisturbed, not steep,

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Recent Data on the Tectonic Structure of the Bottom of the South Caspian Sea SOV/20-129-5-46/64

and blurred relief forms; All relief forms are very weakly marked on the shelf. Shelf is nothing else than an abrasion-accumulative plain of intracontinental waters. The sedimentation is most intensive here and levels the relief. The authors present the following total picture of the bottom: the structures of the anticlinorium of the Apsheron archipelago in the west and the structures of the tectonic main line of the Pribalkhanskaya depression in the east collide approximately in the central part of the Apsheron rise. A series of tectonic lines on the mainland as well as in the coastal zone of the sea branch off from the two mentioned structures. Toward the south their direction becomes more and more submeridional. Since no data are available on the southernmost part of the Caspian Sea the authors assume a possible addition of the mentioned structures to the system of the El'burs (2 variants). They thank A. L. Yanshin, Academician, for valuable comments on their work. There are 3 figures, 1 table, and 12 Soviet references. ✓

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Instit. Geology & Mining of Mineral Fuels, AS USSR

SOLOV'YEV, V.F.; KUIAKOVA, L.S.; AGAPOVA, G.V.

Modern tectonic structure of the bottom of the southern Caspian Sea.
Izv. AN SSSR. Ser. geol. 25 no.4:7-15 Ap '60. (MIRA 13:11)

1. Institut geologii i razrabotki goryuchikh iskopayemykh AN SSSR,
Moskva.

(Caspian Sea--Submarine geology)

ГОСПОДОН, С. С.

Reports submitted for the 10th Pacific Science Congress, Honolulu, Hawaii 21 Aug-
6 Sep 1960.

- ANANIN, G. V., BUDAVAYA, L. Y., ZAKHARENKO, K. K., ZERENETICH, N. L.,
NIKOLAI, A. L., LADINA, M. I., MAROVA, M. A., and ULYANOV, G. M.
All from the Institute of Oceanology, Academy of Sciences USSR -
"The bottom relief of the Pacific Ocean and its cartographic
representation" (Section VIIA)
- ARVANDY, A. P., Institute of Zoology, Academy of Sciences USSR -
"Vergleichende Etasne of the Antarctic and the Pacific Ocean
bipolar distribution in the Pacific Ocean" (Section III.C)
- ANDRUSOV, M. I., Institute of Oceanology, Academy of Sciences USSR -
"On the question of the origin of the Pacific Ocean" (Section VII.C.1)
- ARM, V. B. D. (Name blurred, but may be ARMSTRONG, D. B.),
Institute of Geology of Ore Deposits, Petrography, Mineralogy,
and Geochemistry - (Title of paper is blurred, following is
approximate title) - "Palynofossiliferous discontinuity [sic] layer
and petrographic data" (Section VII.C)
- BALMURIN, I. M., Institute of Earth Physics (Inst: O. Yu. Smol'ts -
"The character of stresses and ruptures in the earthquake zone of the
Pacific seismic zone" (Section VII.C.2)
- BAKALOV, V. V., Institute of Zoology, Acad: Sciences USSR - "On the
the American marine fish" (Section VII.C.2)
- BALIKOV, A. M., Institute of Earth Physics - "On the heat processes
in the waters of the Far East" (Section VII.B)
- BIRNBAUM, K. V., Institute of Oceanology - "On the transformation
of the plankton of the Pacific high and in the adjacent waters"
(Section III.C)
- BIRNBAUM, K. V. and NITICH, M. M., Institute of Earth Physics (Inst:
O. Yu. Smol'ts) - "Genesis and age of the abyssal depression of
the sea of Japan" (Section VII.C.2)
- BIRNBAUM, K. V., Institute of Oceanology - "Accumulations of squid
jacks and shark teeth at the ocean floor" (Section III.C)
- BOGOLUBOV, B. I., Institute of Oceanology, Academy of Sciences USSR
and the Geological Institute of the Academy of Sciences USSR (Section VII.C.1)
- BONOMI, J. L., Institute of Oceanology, Academy of Sciences USSR
(Section VII.C.1)
- BONOMI, J. L., Institute of Oceanology - "Recent sediments of the Pacific"
(Section VII.C.1)
- BURDakov, Ya. A., and YEREMENKO, M. Yu., Institute of Oceanology -
"Some specific features in the geographical distribution of abyssal
pelagic animals (Amphipoda)" (Section III.C)
- BOZDOLZEV, S. T., Institute of Oceanology - "New stages of coral limest
and the character of tidal phenomena in the Pacific Ocean" (Section
VII.B)
- BOZDOLZEV, S. T., and YEREMENKO, M. Yu., Institute of Oceanology
of Oceanology - "The distribution of the megaplankton biomass in the
Pacific Ocean" (Section III.C)
- BOZDOLZEV, S. T., Institute of Geology, Explanation of Cambrian
fossils - "The distribution of fossils in bottom sediments from
Kamchatka" - The description of fossils in bottom sediments from
Kamchatka - "The distribution of fossils in bottom sediments from
Kamchatka" - "The distribution of fossils in bottom sediments from
Kamchatka" (Section VII.C.1)
- BOZDOLZEV, S. T., Institute of Oceanology - "Sedimentation and the regulari-
ties in the distribution of mineral resources in the geographical
basins of the Tertiary period in the area of Kamchatka and the
Sakhalin Island" (Section VII.C)
- BOZDOLZEV, S. T., and ZAKHARENKO, K. K., Institute of Oceanology -
"Some chemical features of sediments and ground solutions permeating
the latter in the Pacific (materials of the northwestern part)"
(Section VII.C.1)
- BOZDOLZEV, S. T., Institute of Oceanology - "A study of equatorial
currents in the western Pacific" (Section III.B)
- BRIL'YANINA, V. A., and SOLOV'YEV, A. S., Institute of Oceanology -
"The formation of the monsoon in the northern part of the Pacific
Ocean" (Section VII.A)
- BRIL'YANINA, V. A., Institute of Oceanology - "The regions of formation
and transition courses of anti-cyclones in the northern part of the
Pacific Ocean" (Section VII.A)

PHASE I BOOK EXPLOITATION

80V/5331

International Geological Congress. 21st, Copenhagen, 1960.
 Morskaya Geologiya (Marine Geology) Moscow, Izd-VU AN SSSR, 1960.
 205 p. 2,500 copies printed. (Series: Doklady sovetskikh
 geologov, problema 10)
 Zankovitch, P. L., Bernukov, Resp. Ed.; A. V. Zhivov, V. P.
 Zankovitch and G. B. Udintsev; Ed. of Publishing House V. S.
 Sheynman; Tech. Ed.: V. Kapov.

PURPOSE: This book is intended for geologists and oceanographers.
 COVERAGE: The book contains 18 articles representing the reports
 given by Soviet geologists at the 21st. International Geological
 Congress. Individual articles deal with the bottom topography,
 sedimentation, and tectonics of oceans (western Pacific and
 southern Indian), as well as the geomorphology and tectonics of
 the Black and Caspian Seas and Soviet sectors of the Baltic.
 An English résumé accompanies each article. No personal files

SYRGOV, M. H., I. Ya. Mikhailov, G. B. Udintsev, I. B.
 Andreyev, A. P. Izrael, and K. I. Repchikov. Results of
 Sedimentological Investigations of the USSR's Cruise Under
 Seas and Oceans 35

Saldov, M. N. Stratigraphy of Sediments and the Palaeogeography
 of the Northwestern Pacific and the Far Eastern Seas of the
 USSR According to Sea-Bottom Formations 59

Izrael, A. P. Formation of Sediments in the Southern
 Pacific and Indian Oceans 69

Lapina, K. N., and N. A. Balov. Bottom Sedimentation Con-
 ditions in the Arctic Ocean 88

Golshenov, V. P., and Yu. P. Repchikov. Bottom Geomorphology
 and Tectonic Problems of the Black Sea 94

Rolovov, V. P., I. S. Kulkova, and G. V. Akhmedov. Relief and
 Recent Floor Structure of the Southern Caspian Sea 105

Berzhnovich, B. Ye. Recent Shelf Deposits in the Marginal
 Seas of Northeast Asia 116

Klenova, M. V. The Geology of the Barents Sea 123

Gorshova, T. I. Sediments in the Norwegian Sea 132

Tekceva, N. V. Study of the Deltas of Some Marine
 Sediments 140

Zankovitch, V. P., O. K. Leonov, and Ye. K. Reverskiy. The
 Influence of the Quaternary Post-Glacial Transgression on the
 Development of the Coastal Zone of Soviet Seas 154

Ayubulov, N. A., V. I. Polovoy, and V. P. Zankovitch. Some
 New Data on Sediment Strata Along Shores 164

Bakurov, Y. I., A. S. Izgin, P. A. Kaplin, and V. S. Medvedev.
 Recent Vertical Movements of Seashores in the Soviet Union 175

Leonov, O. K. Types and Formation of Lagoons on Recent
 Seashores 188

Card #28

48

AGHPCUN, G. W

AGAPOVA, G.V. (Moskva)

Submarine mountains in the Pacific Ocean. Priroda 51 [i.e. 52]
no.5:99-101 '63. (MIRA 16:6)

(Pacific Ocean---Submarine topography)

ACCESSION NR: AP4018060

S/0213/64/004/001/0156/0166

AUTHORS: Udintsev, G. B.; Agapova, G. V.

TITLE: A method of marine geomorphological investigation by means of the precision automatic depth recorder Ladoga

SOURCE: Okeanologiya, v. 4, no. 1, 1964, 156-166

TOPIC TAGS: marine geomorphology, depth recorder, automatic depth recorder, Ladoga depth recorder, sonic depth finder, recording drum, phase determination, multiple reflection

ABSTRACT: The Ladoga instrument has greatly increased the possibility of deciphering complex records of multiple reflections from a dissected bottom, and it has markedly improved the chances of recording reflections from interfaces within the upper layers of bottom sediment. The instrument is a sonic depth finder equipped with special scales for computing depths. Three scales are employed (of transparent plastic) for velocities of the recording coil of 60, 90, and 120 rpm. Computations are simple, since one revolution of the 60-rpm coil measures the

Card 1/2

ACCESSION NR: AP4018060

passage of 1 sec of sound signal, of the 90-rpm coil 0.75 sec, and of the 120-rpm coil 0.5 sec. The depth is easily calculated by knowing the velocity of the signal and the time of revolution of the coil. The record is made on a tape 496 mm wide, 480 mm of which is used by the instrument. It is necessary to determine the phase between the rotating coil and the reflected signal. This may be done and tabulated for each scale (60, 90, 120 rpm). Precision time marks (5 and 10 min) are placed on the recording tape. The nature of the floor determines the scale used. The 120-rpm scale gives the highest resolution, but if depth changes too rapidly the use of this scale leads to frequent shifts in phase and to breaks in the record. If the 60-rpm scale is used, the resolving power is diminished but the record is more stable. The 90-rpm scale, of course, gives intermediate values. The authors conclude that a number of problems relating to complex records can be deciphered by the Ladoga instrument, but that this work will require careful analysis, particularly of the nature of the acoustical phenomena recorded during depth measurements. Orig. art. has: 4 figures, 2 tables, and 3 formulas.

ASSOCIATION: Institut okeanologii AN SSSR (Institute of Oceanography AN SSSR)

SUBMITTED: 29Aug63

DATE ACQ: 18Mar64

ENCL: 00

SUB CODE: AS
Card 2/2

NO REF SOV: 003

OTHER: 001

UDINTSEV, G.B.; AGAPOVA, G.V.; BERSENEV, A.F.; BUDANOVA, L.Ya.; ZATONSKIY,
L.K.; ZENKEVICH, N.L.; IVANOV, A.G.; KANAYEV, V.F.; KUCHEROV, I.P.;
LARINA, N.I.; MAROVA, N.A.; MINEYEV, V.A.; RAUTSKIY, Ye.I.

New relief maps of the bottom of the Pacific Ocean. Geofiz. biul.
no.14:159-167 '64. (MIRA 18:4)

(N) L 4893-66 ENT(1) GW

ACCESSION NR: AP5021215

UR/0213/65/005/004/0748/0752
551.461

14
12
23

AUTHOR: Agapova, G. V.

TITLE: Quantitative characteristics of the angles of inclination of sea and ocean floor surfaces

SOURCE: Okeanologiya, v. 5, no. 4, 1965, 748-752

TOPIC TAGS: ocean floor topography, statistic analysis, oceanography/mid Atlantic Ridge, Atlantic Ocean

12,55
ABSTRACT: Sea floor topography is most often represented as a combination of surfaces of different curvature. The average angle more or less correctly depicts the curvature of individual shapes or a weakly irregular floor, but proves insufficient in characterizing segments of complicated irregularities, particularly segments where sharp irregularities alternate with smooth surfaces. The present author uses the statistical method of analyzing the distribution (the relationship between the individual values of magnitude and the probability of its appearance) to determine the characteristics of angles of inclination. The method is applied to the study of angles of inclination of an ocean floor
Card 1/2

04810569

L 4893-66

ACCESSION NR: AP5021215

2

which includes the ridge and the western slope of the mid-Atlantic range. It is applicable only when the topography is separated into segments of similar configuration (geomorphologic provinces). It is concluded that echograms (or large-scale bottom topography charts based on echograms) should be the initial data for obtaining the characteristics of angles, because echograms contain the maximum amount of the information required. Orig. art. has: 1 figure and 6 formulas.

ASSOCIATION: Institut okeanologii AN SSSR (Institute of Oceanology, AN SSSR)

SUBMITTED: 00 ENCL: 00 SUB CODE: ES

NO REF SOV: 000 OTHER: 002

PC

Card 2/2

L 44782-66 EWT(1) GW

ACC NR: AP6030459

(N)

SOURCE CODE: UR/0213/66/006/004/0666/0671

14
B

AUTHOR: Agapova, G. V.

ORG: Institute of Oceanology, AN SSSR (Institut okeanologii AN SSSR)

TITLE: Some features of bottom geomorphology of the northwestern Atlantic Ocean

SOURCE: Okeanologiya, v. 6, no. 4, 1966, 666-671

TOPIC TAGS: geomorphology, ocean floor topography, marine geology, oceanographic survey

ABSTRACT: As a result of marine geological investigations carried out in the northwestern part of the Atlantic Ocean in 1963, data have been obtained on the bottom relief of the continental slope and continental rise off the northeastern coast of North America and the adjacent areas of the Sohm and Hatteras abyssal plains. The survey was performed in an area lying between 31°N to Halifax and 57°W to 71°W and included 17 echo-sounding tracks, most running NNW or almost normal to the coastline. For the survey a "Ladoga" precision depth recorder was used to study geomorphological characteristics of the above areas and the nature of their boundaries. Morphometric characteristics, such as relative depths and elevations, and the slopes of some relief forms and provinces have been determined, and the resulting echograms are shown. Boundaries between different provinces are expressed either by a distinct change in bottom-relief forms or by a decrease in the general inclination of

Card 1/2

UDC: 551.462

Card 2/2 *sum*

1 20070-02 EPT(c)/EWP(1)/KNT(a) Pa-4/Pr-4 RM

ACCESSION NR: AP5017979 UR/0065/65/000/007/0020/0029
543.544 23

AUTHOR: Sidorov, R. I.; Denisenko, A. N.; Ivanova, M. P.; Polyakova, L. A.; Agapova, I. N. B

TITLE: Determination of the concentration of aromatic hydrocarbons in petroleum fractions by gas-liquid chromatography

SOURCE: Khimiya i tekhnologiya topliv i masel, no. 7, 1965, 20-23

TOPIC TAGS: aromatic, paraffin, hydrocarbon, petroleum, gas-liquid chromatography

ABSTRACT: Adipic ester of polyethylene-glycol, di-β-cyanethyl ester of ethylene glycol, tri-β-cyanethyl ester of glycerin, tetra-β-cyanethyl ester of pentaerythrite, and β,β'-oxydipropionitrile were used as stationary phases in a study of chromatographic determination of paraffinic hydrocarbons.

groups in 150°-250°C petroleum fractions. Selectivities of these stationary phases in separation of *n*-paraffins from aromatics in the 25°-180°C range varied from 7.7 to 21.5%. No separation of an individual compound within each group of compounds can be achieved with either one of these stationary phases. Concentration of aro-

Card 1/2

ACCESSION NR: AP5017979

atics in petroleum fractions can be best determined using tetra- β -cyanethyl ester of pentaerythrite. Orig. art. has: 3 tables, 3 figures.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: GC

NO REF SOV: 001

OTHER: 000

Card 2/2 *hjp*

AGAPOVA, I. V.

AGAPOVA, I. V. -- "Inheritance of Immunity to Mosaic Disease in Certain Solanaceae During Grafting." Sub 28 Apr 52, Inst of Genetics, Acad Sci USSR (Dissertation for the Degree of Candidate in Biological Sciences).

SO: Vechernaya Moskva January-December 1952.

1. AGAPOVA, I. V.
2. USSR (600)
4. Mosaic Disease
7. Inheritance of immunity to tobacco mosaic virus in some Solanaceae when grafted.
Trudy Inst gen No 19 1952.

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

AGAPOVA, I.V.

~~XXXXXXXXXXXX~~
Effect of grafting upon variation in susceptibility to virus of
certain members of the Solanaceae. Trudy Inst.gen. no.20:293-311 '53.
(MIRA 7:1)
(Mosaic disease)

AGAPOVA, K.F.

Some arithmetic identities. Trudy Inst. mat. i mekh. AN Uz. SSR no.18:
109-113 '56. (MLRA 10:4)

(Numbers, Theory of)

AGAPOVA, L.I.

Distribution of lithium, rubidium and thallium in vein formations and circumveinal alternated rocks in the Pervomayskiy sector of the Dzhida deposit. Trudy IMGRE no.7:71-78 '61. (MIRA 16:11)

AGAPOVA, L.I.

Distribution of rare elements in the Pervomayskiy and
Kholosonskiy sections of the Dzhdida deposit. Krat. soob.
IMGRE no.1:71-74 '60. (MIRA 17:3)

FRIDL'YANDER, I.N.; ZAYTSEVA, N.I.; BUROVA, Ye.I.; ARBUZOV, Yu.P.;
Prinimali uchastiye: ARTEMOVA, M.S.; AGAPOVA, L.I.

Regularities of changes in mechanical and corrosive properties and the weldability of alloys in the system Al - Zn - Mg.
Alium. splavy no.3:51-65 '64. (MIRA 17:6)

Effect of various additions on the properties of alloys in the system Al - Zn - Mg. Ib i.:66-75 (MIRA 17:6)

L 39555-66 EWT(1)/EEC(k)-2/T IJP(c) GE
ACC NR: AT6008785 SOURCE CODE: UR/2657/65/000/014/0095/0130

AUTHOR: Agapova, M. G. Gal'perin, Ye. I.

ORG: none

TITLE: Principles of thermal design of radiator-type semiconductor devices 75

SOURCE: Poluprovodnikovyye pribory i ikh primeneniye; sbornik statey, no. 14, 1965, 95-130

TOPIC TAGS: semiconductor device, heat transfer, transistor/P201A transistor

ABSTRACT: Three parts are discernible in the present article: (1) Well-known generalities of heat transfer (heat conduction, convection, radiation; simulation of heat transfer by electric circuits; relations between maximum temperature, mean temperature, and the duty factor of pulses passing the junction); (2) Types and functioning of semiconductor-device radiators (a compilation based on 1956-63

Card 1/2

UDC: 621.382.017.72

AGAPOVA, M.M., insh.

Inspection of the fitting of blades in the impellers of hydraulic torque converters. Trudy MIIT no.175:103-114 '63. (MIRA 16:12)

BYNOV, F.A.; AGAPOVA, M.V.

Fruit characteristics of apple varieties developed by local horticulturists. Uch. zap. Perm. gos. un. 13 no.1:25-32 '60.
(MIRA 14:11)

(Perm Province--Apple--Varieties)

KASAVINA, B.S.; ZENKEVICH, G.D.; RIKHTER, A.I.; LAUFER, A.L.; LIRTSMAN, V.M.;
MARKOVA, O.N.; Primali uchastiye: ARENBERG, A.A.; AGAPOVA, N.A.;
SMIRNOVA, G.V.

Some enzyme-substrate systems in the process of regeneration of the
bony tissue. Eksper. khir. i anest. 7 no.4:56-63 JI-Ag '62.
(MIRA 17:5)

1. Iz biokhimiçheskoy laboratorii (zav. - doktor biolog. nauk
B.S.Kasavina) Tsentral'nogo instituta travmatologii i ortopedii
(dir. - doktor med. nauk M.V.Volkov) Ministerstva zdravookhraneniya
SSSR i kafedry gistologii (zav. - prof. L.I.Falin) Moskovskogo
meditsinskogo stomatologicheskogo instituta.

KOTLUKOVA, I.V.; AGAPOVA, N.D.

Recent find of interglacial deposits in the central part of the
Valdai Hills. Dokl. AN SSSR 135 no.4:929-932 '60. (MIRA 13:11)

1. Leningradskaya geologicheskaya ekspeditsiya Severo-Za-padnogo
geologicheskogo upravleniya. Predstavleno akademikom V.N.Sukachevym.
(L'nyanaya Valley--Geology, Stratigraphic)

AGAPOVA, N.G., normirovshchik

Competing for a high title. Tekst.prom. 19 no.8:62-63
Ag '59. (MIRA 13:1)

1. Pervaya pryadil'naya fabrika kombinata "Vozhd' proletariata."
(Weaving--Labor productivity)

KHOLSHCHEVNIKOV, K.V.. Prinsipialni uchastiye: FAVORSKIY, O.N., kand.tekhn.
nauk; DMITRIYEVA, L.A., inzh.; AGAPOVA, N.I., inzh.. GRIGORASH,
K.I., izdat.red.; ORESHKINA, V.I., tekhn.red.

[Some problems in the theory and design of turbojet engines]
Nekotorye voprosy teorii i rascheta TRD. Moskva, Gos.izd-vo
obor.promyshl., 1960. 116 p. (MIRA 13:5)
(Airplanes--Turbojet engines)

AGAPOVA, N.I.; PASKAR', B.L.; FOKIN, L.R.

Calculating the thermodynamic properties of cesium vapors at
temperatures to 1500°K and pressures to 22 bars. Atom. energ.
15 no.4, 292-302 0 '63. (MIRA 16:10)

Silk weaving, Moskva, Gos. nauchno-tekhn. izd-vo legkoi promyshl.,
1952. 325 p. (54-18402)

TS1669.A45

AGAPOVA, N.P., kandidat tekhnicheskikh nauk.

TV-160-ShL loom for velvet fabric. Tekst.prom. 14 no.7:31-33
Jl '54. (MIRA 7:8)
(Looms)

AGAPOVA, N.P., kandidat tekhnicheskikh nauk.

Selecting an efficient weight for battens on silk looms. Tekst.
prom. 16 no.11:27-29 N '56. (MLRA 9:12)

1. Tsentral'nyy nauchno-issledovatel'skiy insitutu shelka.
(Looms) (Silk manufacture)

~~AGAPOVA, N.P.~~ kandidat tekhnicheskikh nauk; MOROZOVA, N.D., kandidat
tekhnicheskikh nauk.

They are suppressing a valuable study. Tekst.prom.17 no.2:33-34
F '57. (MLRA 10:2)

(Looms)

GENTS, Ivan Pavlovich; MONINA, Praskeva Vladimirovna; BUYLOV, Ivan Ivanovich;
ZORINA, Mariya Aleksandrovna; AFANAS'YEVA, Valentina Pavlovna;
AGAPOVA, N.P., kand.tekhn.nauk, retsenzent; ORLOVA, L.A., red.;
MEDVEDEV, L.Ya., tekhn.red.

[Design, operation, and maintenance of the "Tekstima" warping
machine] Ustroistvo, rabota i obsluzhivanie lentochnoi snoval'noi
mashiny tekstima. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po
legkoi promyshl., 1959. 79 p. (MIRA 12:12)
(Looms)

AGAPOVA, N.; LABUZOVA, Z., starshiy nauchnyy sotrudnik; POPOV, A.

Recommendations have been developed and what then? NFO 2
no.7:51-52 J1 '60. (MIRA 13:7)

1. Chleny Nauchno-tehnicheskoy legkoy promyshlennosti,
Moskva. 2. Rukovoditel' laboratorii tkachestva TSentral'nogo
nauchno-issledovatel'skiy instituta shelka (for Agapova).
3. TSentral'nyy nauchno-issledovatel'skiy institut khlop-
chatobumashnoy promyshlennosti (for Labuzova). 4. Sotrudnik
zhurnala "Nauchno-tehnicheskiye obshchestva SSSR, "Moskva
(for Popov).

(Textile fibers, Synthetic)

AGAPOVA, N.P., kand.tekhn.nauk

Manufacture of fabrics from artificial silk. Tekst. prom. 21 no.1:22-24
Ja '61. (Looms) (Synthetic fabrics) (MIRA 14:3)

GORITSKIY, S.G., kand.tekhn.nauk; AGAPOVA, N.P., kand.tekhn.nauk

Once more about the design of the creel and intermittent warping.
Tekst.prom. 22 no.2:44-46 F '62. (MIRA 15:3)

1. Zaveduyushchiy kafedroy tkachestva Ivanovskogo tekstil'nogo
instituta (for Goritskiy). 2. Rukovoditel' laboratorii tkachestva
TSentral'nogo nauchno-issledovatel'skogo instituta shelkovoy
promyshlennosti (for Agapova).
(Weaving)

AGAPOVA, Nadezhda Platonovna, kand. tekhn. nauk; MORZOVA,
Nadezhda Dmitriyevna, kand. tekhn. nauk; LYTKINA,
Sof'ya Grigor'yevna. Prinizhala uchastiye MURALEVICH,
M.V.; POTAPOVA, L.V., kand. tekhn. nauk; MONINA, P.V.,
kand. tekhn. nauk; DMITRIYEV, I.I., retsenzent;
MEN'SHENINA, V.A., red.

[Equipment and technology of silk weaving manufacture]
Oborudovanie i tekhnologiya shelkotkatskogo proizvod-
stva. Moskva, Legkaia industriia, 1964. 527 p.
(MIRA 18:1)

S/126/60⁶⁹⁶⁹⁴/009/03/017/033
E091/E435

12.1130

AUTHORS: Agapova, N.P., Butra, F.P. and Votinov, S.N.

TITLE: On the Nature of Excess Phases in a Chromium-Nickel-Molybdenum-Niobium Stainless Steel

PERIODICAL: Fizika metallov i metallovedeniye, 1960, Vol 9, Nr 3, pp 422-425 (USSR)

ABSTRACT: The steel investigated by the authors, the chemical composition of which is shown in the Table on p 422, belongs to the group of stainless steels having a stable austenite structure which does not undergo a $\gamma \rightarrow \alpha$ change even at considerable degrees of cold compression and prolonged soaking at temperatures of up to 750°C. However, it exhibits excess phases in its structure, the quantity of which varies in relation to the heat treatment given. The authors have investigated the nature of these phases. Specimens of steel were austenitized at 950 to 1300°C, followed by water-quenching and subsequent soaking for 100, 400 and 1000 hours at temperatures of 500, 600 and 750°C. Fig 1 shows the change of impact resistance, specific electrical resistance, hardness and grain size with quenching

Card 1/4

69694
S/126/60/009/03/017/033
E091/E435

On the Nature of Excess Phases in a Chromium-Nickel-Molybdenum-Niobium Stainless Steel

temperature; Fig 2 shows the change in UTS, % elongation, impact resistance and hardness in relation to annealing temperature (ageing temperature) in 1000 hours. After heat treatment, the specimens were dissolved electrolytically and the excess phases liberated; the latter were investigated by chemical and X-ray analysis (Ref 1). In Fig 3 and 4, from the results of chemical analysis, the change of alloy element content in the electrolytic deposit and the total weight of the deposit in relation to the quenching and ageing temperatures is shown. By means of X-ray structural analysis it was found that the electrolytic deposit of the excess phases obtained from specimens quenched from 1200°C and above, consists primarily of NbC (Fig 5a), having a lattice parameter of 4.42 kX. As the quenching temperature is lowered, the % carbide in the deposit decreases (Fig 3) and the quantity of the intermetallic compound (MoNb)Fe₂ increases (Ref 2); the latter has a MgZn₂ type of structure with lattice

Card 2/4

69694
S/126/60/009/03/017/033
E091/E435

On the Nature of Excess Phases in a Chromium-Nickel-Molybdenum-Niobium Stainless Steel

parameters of $a = 4.77 \text{ kX}$ and $c = 7.80 \text{ kX}$. An inflection in the "total weight" curves for the % element content in the electrolytic deposit can be observed at 1050 to 1150°C. This is evidently associated with solution of the intermetallic compound at these temperatures. The transition of the alloying elements from the dispersed phases to the solid solution in this temperature interval is accompanied by some decrease in hardness and increase in specific electrical conductivity and specific impact resistance of the metal. The electrolytic precipitate of specimens, quenched from 1150°C and subsequently annealed for 100, 500 and 1000 hours at 750°C and for 1000 hours at 600°C, consists primarily of an intermetallic compound of the same structural type but the lattice parameters decrease to $a = 4.755 \text{ kX}$ and $c = 7.738 \text{ kX}$; in the X-ray photographs of such specimens, lines corresponding to large reflection angles are widened considerably due to changes in the unit cell dimensions (Fig 5b). The X-ray

Card 3/4

MAL'TSEV, N.D.; AGAPOVA, O.I., khimik

Use of "chromolan" for imparting waterproofing properties
to textile fabrics. Tekat.prom. 20 no.5:18-20
My '60. (MIRA 13:8)

1. Glavnyy inzhener Semenovskoy krasil'noy otdelochnoy
fabriki (for Mal'tsev). 2. Semenovskaya krasil'naya
otdelochnaya fabrika (for Agapova).
(Waterproofing of fabrics)

АГАПОВА, О. И. Cand. Med. Sci.

Dissertation: "The Significance of the Cytological Investigation of the Processed Slides of Smears from the Mucous Cavity of Mouth for Clinical Treatment of Ulcerative Stomatitis." Moscow Stomatological Inst., Ministry of Health RSFSR. 10 Feb 47.

SO: Vechernyaya Moskva, Feb, 1947 (Project #17836)

AGAPOVA, O.I., kandidat meditsinskikh nauk

Pathohistological changes in the Gasserian ganglion in experimental vitamin B₁ deficiency. Stomatologiya no.2:9-11 Mr-Ap '55.(MLRA 8:5)

1. Iz kafedry terapevticheskoy stomatologii (zav. prof. Ye.Ye. Platonov) Moskovskogo meditsinskogo stomatologicheskogo instituta (dir. dotsent G.N.Beletskiy).

(VITAMIN B₁ DEFICIENCY, experimental,
gasserian ganglion histopathol. in)
(NERVES, TRIGEMINAL,
gasserian ganglion in exper. vitamin B₁ defic.)

AGAPOVA, O.I., kandidat meditsinskikh nauk

Pathohistological changes of the second and third branches of
trigeminal nerve in experimental vitamin B₁ deficiency in dogs.
Stomatologiya 35 no.2:9-13 Mr-Apr '56. (MLRA 9:8)

1. Iz kafedry terapevticheskoy stomatologii (zav. Ye.Ye.Platonov)
Moskovskogo meditsinskogo stomatologicheskogo instituta (dir:-
dotsent G.N.Beletskiy)

(DEFICIENCY DISEASES) (THIAMINE)
(TRIGEMINAL NERVE)

MAL'TSEV, N.D., inzh.; AGAPOVA, O.I.

Analysis of sulfur dyebathes .. Tekst.prom. no. 2:61-62 F '63.

(MIRA 16:4)

1. Starshiy inzhener khimicheskoy laboratorii kombinata "Krasnaya Roza"
(for Agapova).

(Dyes and dyeing—Chemistry)

NIKOLAYEV, L.A.; AGAPOVA, O.N.

Photocatalytic synthesis of amino acids. Zhur. fiz. khim. 37
no.12:2746-2748 D '63. (MIRA 17:1)

1. Moskovskiy institut inzhenerov transporta.

LYUBIMOVA, T.Yu.; AGAPOVA, R.A.

Structural and mechanical properties of consolidated soils. Part 2:
Types of disperse structures formed in soils stabilized with cement
and lime, liquid bitumen and lime, and carbamide resins. Koll.zhur.
25 no.6:656-665 N-D '63. (MIRA 17:1)

1. Vsesoyuznyy dorozhnyy nauchno-issledovatel'skiy institut, Moskva.

GORELYSHEV, N.V., kand.tekhn.nauk; LYUBIMOVA, T.Yu., kand.khim.nauk;
KOLBANOVSKAYA, A.S., kand.khim.nauk; IVANOV, P.M., kand.tekhn.
nauk; KELLER, I.M., kand.tekhn.nauk; AGAPOVA, R.A., inzh.;
TIMOFYEVA, L.D., inzh.; YAKOVLEVA, A.I., red.; KOVRIZHNYKH,
L.P., red.; GALAKTIONOVA, Ye.N., tekhn.red.

[Physicochemical methods of characterizing the properties and
structure of road and building materials] Fiziko-khimicheskie
metody kharakteristiki svoystv i struktury dorozhno-stroitel'-
nykh materialov. Moskva, Nauchno-tekhn.izd-vo M-va avtomo-
bil'nogo transp. i shosseinykh dorog RSFSR, 1961. 91 p.

(MIRA 14:12)

(Road materials--Testing)
(Building materials--Testing)

ACC NR: AF6037004 (A, N) SOURCE CODE: UR/0181/66/008/011/3405/340

AUTHOR: Voronov, F. F.; Goncharova, V. A.; Agapova, T. A.

ORG: Institute of High Pressure Physics, AN SSSR, Moscow (Institut fiziki vysokikh davleniy AN SSSR)

TITLE: Elastic constants of single-crystal RbCl under pressure

SOURCE: Fizika tverdogo tela, v. 8, no. 11, 1966, 3405-3407

TOPIC TAGS: rubidium compound, chloride, high pressure research, ultrasonic wave propagation, elastic stress, ionic crystal, phase transition

ABSTRACT: This is a continuation of earlier work dealing with polymorphic transformations of RbCl under pressure, similar to that investigated earlier for the NaCl = CsCl transformation (ZhETF v. 50, 1173, 1966). The tests were made on three samples in the form of right parallelepipeds with each of the principal axes in the [100] direction. The velocities of transverse and longitudinal sound waves in the samples were measured at atmospheric pressure and room temperature, and the elastic constants calculated from them agreed well with the published data. The high pressure apparatus and the pulsed ultrasonic method employed were described elsewhere (PTE, no. 3, 104, 1960 and no. 3, 81, 1958, respectively). The high-pressure measurements consisted of determining the time of passage (Δt) of longitudinal and transverse waves as functions of the pressure (p). In some experiments the measurements were extended up to the start of the phase transition (6.5 - 7 kbar). Prior to the

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ACC NR: AP6037004

start of the phase transition, there were no deviations from a smooth $\Delta t(p)$ dependence. At the start of the phase transition, a snapping sound was produced in the high-pressure apparatus, and the signal attenuated rapidly or disappeared completely because of the smashing of the sample or the separation of the quartz from the sample. Plots of the relative changes of the elastic constants with pressure prior to the phase transition turned out to be straight lines, similar to the results obtained for KCl. The experimental results were compared with Born's theory of ionic crystals and large discrepancies were observed between the two. Some of the discrepancies may be due to the fact that earlier measurements were made with polycrystalline samples. It is proposed to repeat the experiments with greater accuracy. Orig. art. has: 1 figure, 2 formulas, and 1 table.

SUB CODE: 20/ SUBM DATE: 25May66/ ORIG REF: 004/ OTH REF: 005

Card 2/2

I 27822-66 EWT(m)/EWP(t)/ETI IJP(c) JD

ACC NR: AP6015506

(N)

SOURCE CODE: UR/0181/66/008/005/1643/1645

AUTHOR: Voronov, F. F.; Goncharova, V. A.; Stal'gorova, O. V.; Agapova, T. A.ORG: Institute of High-Pressure Physics, AN SSSR, Moscow (Institut fiziki vysokikh davleniy AN SSSR)TITLE: The compressibility of lithium hydride

SOURCE: Fizika tverdogo tela, v. 8, no. 5, 1966, 1643-1645

TOPIC TAGS: lithium hydride, high-pressure research

ABSTRACT: Three lithium-hydride specimens were subjected to pressures up to 20 kbar at 298K. The dependance between the relative volume change $\Delta V/V_0$ and pressure p was found to be linear: $\Delta V/V_0 = 4.38 \cdot 10^{-12} p$. The volume change was also determined by the Born model under assumption of the ionic bond in lithium hydride. The calculated values at 20 kbar were 15% lower than the experimental. From the energy of the lithium-hydride lattice ($W_0 = 218$ kcal/mol at 298K and atmospheric pressure) and Born's equation for energy, the value for compressibility was calculated as $3.38 \cdot 10^{-12}$ cm²/dyn, which differed from the experimental ($4.38 \cdot 10^{-12}$ cm²/dyn) by 30%. This disagreement can be explained by the fact that in lithium hydride, the bond is not fully ionic and the Born's model (of central forces) is only a rough approximation. The linear dependence of the volume change on pressure proves that no polymorphic transformation occurs at pressures up to 20 kbar. Orig. art. has: 4 formulas. [WW]

SUB CODE: 11/20/SUBM DATE: 20Dec65/ ORIG REF: 002/ OTH REF: 001/ ATD PRESS: 5003

Card 1/1

AGAPOVA, T.I., red.; DORODNOV, Ye.V., red.; KASHCHENKO, Ye.I.,
red.; KRUSHANOV, A.I., red.; REYKHBERG, G.Ye., red.;
VOROB'YEV, V.V., red.; BORZUNOV, V.F., red.

[Abstracts of papers and reports of the Third Far Eastern Conference on History, archaeology and Ethnography Section: Socialist building projects in Siberia and the Far East] Tezisy dokladov i soobshchenii. Sektsiia: Sotsialisticheskie novostroiki Sibiri i Dal'nego Vostoka. Komsomol'sk-na-Amure, Komsomol'skii-na-Amure Gospedinstitut, 1962. 76 p. (MIRA 17:9)

1. Dal'nevostochnaya konferentsiya po istorii, arkheologii i etnografii. 3d, Komsomol'sk-na-Amur, 1962.
2. Komsomol'skiy-na-Amure Gosudarstvennyy pedagogicheskiy institut (for Kashchenko).
3. Dal'nevostochnyy filial Sibirskogo otdeleniya AN SSSR (for Reykhberg).
4. Institut geografii Sibirskogo otdeleniya AN SSSR (for Vorob'yev).
5. Institut istorii AN SSSR (for Borzunov).

MIL'KEVICH, O.L., kand.tekhn.nauk, starshiy nauchnyy sotrudnik; FILATOV, N.M., mladshiy nauchnyy sotrudnik; AGAPOVA, T.V., mladshiy nauchnyy sotrudnik; GUKOV, I.I., mladshiy nauchnyy sotrudnik; PAVLIDIS, Ye.K., inzh., nauchnyy red.; TYULENEVA, L.M., red.isd-va; SHERSTNEVA, N.V., tekhn.red.

[Album of designs of machines, instruments, devices, and implements for conducting plastering operations] Al'bom chertezhei mashin, instrumentov, prisposoblenii i inventaria dlia proizvodstva shtukaturnykh robot. Moskva, Gos.isd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1960. 136 p. (MIRA 13:11)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut organizatsii, mekhanizatsii i tekhnicheskoy pomoshchi stroitel'stvu.
2. Laboratoriya krovel'nykh i otdelochnykh robot Nauchno-issledovatel'skogo instituta organizatsii, mekhanizatsii i tekhnicheskoy pomoshchi stroitel'stvu Akademii stroitel'stva i arkhitektury SSSR (for Mil'kevich, Filatov, Agapova, Gukov).
(Plastering--Equipment and supplies)

ODINOKOV, S.D., kand.tekhn.nauk; MIL'KEVICH, O.L., kand.tekhn.nauk;
FILATOV, N.M., mladshiy nauchnyy sotrudnik; AGAPOVA, T.V.,
mladshiy nauchnyy sotrudnik; GUKOV, I.I., mladshiy nauchnyy
sotrudnik; PAVLIDIS, Ye.K., inzh., nauchnyy red.; KHLUDEYEVA,
Ye.O., red.izd-va; RUDAKOVA, N.I., tekhn.red.

[Album of drawings of machinery tools, implements and equipment
for industrial painting] Al'bom chertezhei mashin, instrumentov,
prisposoblenii i inventaria dlia proizvodstva maliarnykh rabot.
Moskva, Gos.izd-vo lit-ry po stroit., arkhitekt. i stroit.materialam,
1960. 101 p. (MIRA 13:12)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut organiza-
tsii, mekhanizatsii i tekhnicheskoy pomoshchi stroitel'stvu. 2. Ruko-
voditel' laboratorii kroval'nykh i otdelochnykh rabot Instituta orga-
nizatsii, mekhanizatsii i tekhn.pomoshchi stroitel'stvu (for Odinokov).
(Painting, Industrial--Equipment and supplies)