GASANOV, G.I.; KUDRYASHOV, Yu.B.

Action of some toxic and radiomimetic substances on yeast cells. Nauch. dokl. vys. shkoly; biol. nauki no.1:84-90 '65.
(MIRA 18:2)

1. Rekomendovana kafedroy biofiziki Moskovskogo gosudarstvennogo universiteta.

GLAGOV, G.G.

Participation of ganglionic synapses in interoceptive nonconditioned metabolic reflexes from the stomach. Vop. fiziol. 6:112-118 '63.
(MIRA 17:11)

GASANOV, G.G.

Mountain Gray-Brown soils of Fizuli District and the development of erosion processes in them. Izv. AN Azerb. SSR. Ser. biol. nauk no.2:85-91 '64.

Unconditioned interoceptive exchange reflexes from the stomach following extirpation of the sigmoid gyrus of the cerebral cortex. Ibid.:103-114 (MIRA 17:10)

DADASHEVA, T.D.; GASANOV, G.I.

Combined effect of a clogged filter and the bottom-hole zone on the productivity of oil wells [in Azerbaijani with summary in Russian]. Izv. AN Azerb. SSR. Ser.fiz.-tekh. i khim.nauk no.6: 91-98 '58. (MIRA 12:2)

(Oil wells)

GASANOV, G.

Action of various preparations of the ripe fruit of the sumac on the tolerance of the organism to carbohydrates. A. I. Kurnev, R. K. Aliev, G. Guseinov, and G. Gasanov. *Izvest. Akad. Nauk Azerbaidzhan. S.S.R.* 1954, No. 9, 47–57(in Russian); cf. *C.A.* 50, 4907.—Glucose tolerance of rabbits was detd. by detn. of blood sugar before and every 30 min. for 3 hr. after ingestion of glucose meal with and without (control) addnl. oral ingestion of one of the following sumac exts.: 10% aq. ext. of pericarp; 10% aq. ext. of seeds; alc. ext. of ripe fruit; alc. ext. of pericarp; alc. ext. of seeds; oil from seeds; also tried was 1.2% soln. of tartaric acid. Greatest reduction in blood sugar was caused by alc. ext. of ripe sumac fruit (I). Tried on human patients with diabetes of varying severity at a dose of 40 drops 5 times daily, I reduced total daily diuresis in severe and moderate diabetics without changing blood or urine sugar levels or glycosuria; in mild diabetics it reduced blood and urine sugar, diuresis and sp. gr. of urine. Claim is made that I can control completely mild cases of diabetes and reduce insulin requirement in moderate and severe cases.

Cyrus C. Sturgis, Jr.

MD

(3)

GASANOV, G.

MD

Changes of the carbohydrate tolerance of organism during the parallel administration of an aqueous extract of ripe fruits of sumac. A. I. Karaev, R. K. Aliev, G. A. Guseinov, and G. Gasanov. *Doklady Akad. Nauk Azerbaïdz. S.S.R.* 10, No. 3, 189-96(1954); *Referat. Zhur., Khim.* 1954, No. 43410.—Ripe fruits of sumac, *Rhus coriaria*, contain different alkaloids, tannins, sugars, lipides, resins, essential oils, org. acids, and vitamin C. A 10% aq. ext. of the fruits was fed to exptl. rabbits during 10 days in the amt. of 5 ml. ext./kg. body wt., followed by the daily detn. of the blood sugar (I). The animals received 30% glucose (II) soln. before and after the 5th and 10th addn. of the ext., and 10 days following the ext. addn., resp., in the amt. of 3 g. II/kg. body wt. At the 5th day following the addn. of sumac ext. the amt. of I in blood decreased 17–53 mg. %. The tolerance of the organism toward II increased, and the effect was still noticed 10 days after the ext. addn. The assimilation of sugar is greater when II is supplied together with the sumac ext.

B. Wierbicki

(3)

KARAYEV, A.I.; GASANOV, G.

Interoceptors and metabolism. Dokl. AN Azerb. SSR 10 no.8:589-593 '54. (MLRA 8:10)

1. Institut zoologii Akademii nauk Azerbaydzhanskoy SSR.
(Receptors (Neurology)) (Metabolism)

GASANOV, G. I.

GASANOV, G. I. - "The effect of various methods of mixing blood with preservative on certain biological changes in preserved blood following various periods of storage". Baku, 1955. Azerbaydzhan State Medical Inst. (Dissertation for the degree of Candidate of Medical Sciences).

SO. Knizhnaya Letopis' No. 46, 12 November 1955. Moscow

KARAYEV, A.I.;ALIYEV, R.K.;GUSEYNOV, G.A.;GASANOV, G.

Effect of extracts from certain plants in Azerbaijan on carbohydrate tolerance of the organism. Izv.AN Azerb.SSR. no.9:63-72 S '55. (MLRA 9:1)
(Azerbaijan--Botany, Medical)

GASANOV, G.

Changes in the unconditioned interoceptive exchange reflexes from the stomach during various functional states of the cerebral cortex under conditions of perfusion [in Azerbaijani with summary in Russian]. Dokl. AN Azerb. SSR 14 no.1:71-74 '58. (MIRA 11:2)
(STOMACH--INNERVATION) (NARCOTICS) (CEREBRAL CORTEX)

KARAYEV, A.I.; GASANOV, G.I.; KUZNETSOV, B.G.

Effect of radioactive phosphorus ($P^{32}$) on the course and nature of aseptic inflammation. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no.5:119-124 '60. (MIRA 14:9)
(PHOSPHORUS--ISOTOPES) (INFLAMMATION)

GASANOV, G. I.

(4)

**Radiomimetic Effect of the Oxidation Products of Unsaturated Fatty Acids in Various Biological Systems and Objects**

Yu. D. Kuleyashov, G. I. Gasanov, T. N. Goncharenko, S. P. Kovalev, N. G. Labzina, B. A. Lomsadze, [illegible], I. Khao-tu, Syue Yul-khua and O. F. Filenko

Oxidation products of oleic acid acted *in vitro* on enzyme systems responsible for the decomposition of proteins in tissues. They inhibited the autolysis reaction. Unoxidised or weakly oxidised fatty acid increased autolysis. Ionizing radiation influences autolysis, depending on the method of irradiation, dose, and time after irradiation. It was shown that the disturbance of the autolytic decomposition of proteins in irradiated animals occurs as an indirect mechanism apparently due to toxic substances of the type of oxidised oleic acid. Peroxides of unsaturated fatty acids have some haemolytic properties. Radio-protective compounds, i.e. β-mercaptoethylamine, aminoethylisothiuronine, cysteine and others also reduce the haemolytic properties of the oxidation products of oleic acid.

The effect of oxidation products of oleic acid on haploid and diploid yeast cells is similar to that of X-rays as judged by cell survival, formation of micro- and macro-colonies, and their form. Anoxia reduces the sensitivity of haploid cells to oxidized oleic acid. The oxygen effect is smaller than that for ionizing radiation. This suggests that the primary mechanism of radiation injury involves at least two consecutive oxidation reactions. Similar results were found in mice, rats and rabbits. The following parameters were investigated: survival, blood picture, physico-chemical properties of erythrocytes, time of coagulation and the thromboplastic activity of blood, activity of liver cathepsins, permeability of histo-haematic barriers (liver, brain, skeletal muscles), appearance of micro-necroses in bone marrow. The results suggest that oxidation products of unsaturated fatty acids, the peroxides, aldehydes and ketones (perhaps also radicals of these products) are radiomimetic. Since the substances examined may appear in organs and tissues of irradiated animals, they are particularly interesting in comparison with known radiomimetics.

*Moscow State University, USSR*

report presented at the 2nd Intl. Congress of Radiation Research, Harrogate/Yorkshire, Gt. Brit. 5-11 Aug 1962

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514330013-1"

GASANOV, G.I.; KUDRYASHOV, Yu.B.

Toxic effect of intermediate products of oxidated oleic acid on yeast cells. Dokl. AN SSSR 143 no.6:1453-1454 Ap '62. (MIRA 15:4)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova. Predstavleno akademikom N.M.Sisakyanom.
(Oleic acid--Toxicology) (Yeast)

KUDRYASHOV, Yu.B.; GASANOV, G.I.

Role of oxygen in the effect of a radiomimetic substance (oxidized oleic acid) on yeast cells. Dokl.AN SSSR 144 no.2:443-445 My '62. (MIRA 15:5)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova. Predstavleno akademikom A.I.Oparinym.
(Oleic acid) (Yeast) (Oxygen)

GASANOV, G.I.

Role of oxidation products of oleic acid in primary processes of radiation lesion of cells. Vop. fiziol. 6:135-143 '63.
(MIRA 17:11)

CASANOV, G.I., inzh.

Irrigation of sugar beets in Daghestan. Gidr. i mel. 17 no.8:1-7 Ag '65. (MIRA 18:10)

1. Dagestanskiy nauchno-issledovatel'skiy institut sel'skogo khozyaystva.

GASANOV, G.K.

Soil erosion in mountain pastures of the Shamkhor Basin. Izv.AN Azerb.SSR Ser.biol.i sel'khoz.nauk no.3:87-94 '59.
(MIRA 12:8)

(Shamkhor Valley--Pastures and meadows) (Erosion)

GASANOV, G.K.

Soil erosion in the agricultural zone of the Shamkhorchay Basin. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no.3:131-140 '60. (MIRA 13:7)

(SHAMKHORCHAY VALLEY--EROSION)

GASANOV, G. K.

Cand Agr Sci - (diss) "Erosion of soils in the Shamkhorchay River Basin and measures for combating it." Baku, Pub. Academy of Sciences Azerbaydzhan SSR, 1961. 24 pp; (Ministry of Agriculture Georgian SSR, Georgian Order of Labor Red Banner Agricultural Inst); 200 copies; free; (KL, 6-61 sup, 231)

GASANOV, G. M.

Gasanov, G. M.: "On closing large gunshot defects of the cranium," (Report), Trudy III Zakavkazsk. s"yezda khirurgov, Yerevan, 1948 (on cover: 1949), p. 425-435

SO: U-5240, 17 Dec. 53, (Letopis 'zhurnal 'nykh Statey, No. 25, 1949).

GASANOV, G.M.

Convergence and order of convergence in the mean of interpolational polynomials in Euclidean space. Izv. AN Azerb. SSR. Ser. fiz.-tekh. i mat. nauk. no.2:12-18 '65. (MIRA 18:8)

GASANOV, G.T. (Baku); GASANZADE, N.A. (Baku); MIRZADZHANZADE, A.Kh. (Baku)

Compression of a viscous-plastic layer by circular plates. PMTF no.5:88-90 S-O '61. (MIRA 14:12)

(Deformations (Mechanics))
(Plasticity)

S/207/62/000/005/004/012
B108/B186

D, R00

AUTHORS: Casanov, G. T., Mirzadzhanzade, A. Kh. (Baku)

TITLE: Solutions of the inverse problems of the unsteady motion of a viscoplastic liquid

PERIODICAL: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 5, 1962, 117-120

B

TEXT: Exact solutions for the unsteady motion of the "core" of flow of a viscoplastic liquid were obtained by A. I. Safronchik (PMM, 1959, v. 23, nos. 5,6). The determination of the quantity $x_o$ lead to a non-linear integral equation of the Volterra type. The solution can be found more easily if the inverse problem is considered, i.e. if the variation of the extension of the core of flow is given as a function of time and the velocity of the motion corresponding to that variation is sought. For the case of an incompressible viscoplastic liquid flowing between two plane parallel plates, and through a straight cylindrical tube, this problem, as well as various boundary and initial conditions, are solved both for

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Solutions of the inverse problems...

S/207/62/000/005/004/012
B108/B186

$x_0(t) = \alpha\sqrt{t}$ and for $x_0$ = const.

SUBMITTED: May 5, 1962

/B

Card 2/2

S/249/62/018/010/002/004
D234/D308

AUTHOR: Gasanov, G. T.

TITLE: Non-stationary motion of a viscous-plastic liquid between two cylinders

PERIODICAL: Akademiya nauk Azerbaydzhanskoy SSR. Doklady, v. 18, no. 10, 1962, 21-25

TEXT: The motion is assumed to be rectilinear and the cylinders coaxial. The author quotes the differential equations of the problem and gives their solutions (obtained by Kolodner's method applied by A. I. Safronchik to axially symmetrical problems). There are two systems of equations for determining the radii of the cores. One of these is given by the author: it is non-linear and of Volterra's type.

ASSOCIATION: AzNII po D/n

SUBMITTED: July 6, 1962

Card 1/1

GASANOV, G.T.

Solution of a problem concerning unsteady motion of a viscous incompressible liquid. Izv. AN Azerb. SSR. Ser. fiz.-mat. i tekh. nauk no.4:75-84 '63. (MIRA 16:12)

GASANOV, G.T.; MOVSUMOV, A.A.; ZARGARLY, Kh.F.

Cleaning the borehole of drilled-out rocks. Izv.AN Azerb.SSR. Ser.geol.-geog.nauk no.1:85-90 '65.

(MIRA 18:8)

MAKHMUDOV, R.N.; MOVSUMOV, A.A.; GASANOV, G.T.

Determining the pressure-gradient module of the oil, gas, and water yield of beds developing during well drilling. Izv. vys. ucheb. zav.; neft' i gaz. 8 no.5:33-37 '65. (MIRA 18:7)

1. Azerbaydzhanskiy institut nefti i khimii im. M.Azizbekova "AzNIIburneft'".

MOVSUMOV, A.I.; MAKSIMOV, M.N.; GALANOV, G.T.; AKILOV, Zh.

Flushing in the drilling of slant holes. Izv. vys. uchob. zav.; neft' i gaz 8 no.6:25-27 '65. (MIRA 18:7)

GASANOV, Gureyn Geydar-ogly

Role of the posterior limbic cerebral cortex in interoceptive unconditioned metabolic reflexes of the stomach. Dokl. AN SSSR 159 no.6:1427-1430 D '64 (MIRA 18:1)

1. Institut fiziologii im. I.P. Pavlova AN SSSR i Sektor fiziologii AN AzerSSR. Predstavleno akademikom V.N. Chernigovskim.

GURBANOV, S.G.; GASANOV, G.T.

Changes in the pressure on the walls of an oil well. Izv.AN Azerb.SSR.Ser.fiz.-mat.i tekh.nauk no.5:61-71 '60. (MIRA 14:4)

(Oil well drilling)

Report presented at the 1st All-Union Congress of Theoretical and Applied Mechanics, Moscow, 27 Jan - 3 Feb '60.

SEID-RZA, M.K.; MOVSUMOV, A.A.; GASANOV, G.T.; SHIKHALIYEV, F.A.

Determination of the change in the hydrodynamic pressure on well walls in lowering the drilling tool and casing. Izv. vys. ucheb. zav.; neft' i gaz 6 no.4:29-32 '63. (MIRA 16:7)

1. Azerbaydzhanskiy institut nefti i khimii imeni M. Azizbekova i Azerbaydzhanskiy nauchno-issledovatel'skiy i proyektnyy institut po bureniyu neftyanykh i gazovykh skvazhin.
(Pressure) (Oil wells)

GASANOV, G.T.; EL'DAROV, T.R.

Solution of the problem of the nonsteady flow of a viscous incompressible fluid and the relation of this problem to the determination of the hydrodynamic pressure on well walls when the drilling tool is being lowered into the well. Izv. vys. ucheb. zav.; neft' i gaz 6 no.7:17-23 '63. (MIRA 17:8)

1. Azerbaydzhanskiy institut nefti i khimii imeni Azizbekova i AzNIIBurneft'.

GASANOV, G.T.; MOVSUMOV, A.A.; ZARGARLY, Kh.F.

Transporting capacity of clay mud in drilling. Neft. khoz. 42 no.8: 17-20 Ag '64. (MIRA 17:9)

AGAYEV, A.I.; GASANOV, I.A.

Physicochemical study of the solubility, specific gravity, viscosity, electric conductivity, and of the refractive index of the system NaCl - NaI - $H_2O$ at 35°. Uch. zap. AGU. Ser. khim. nauk no.4:11-14 '63.

(MIRA 17:11)

DZHAMALOV, I.M.; GASANOV, I.A.

Practice of using gas anchors in fields of the Oil Field Administration of the Artem Petroleum Trust. Azerb. neft. khoz. 40 no.10: 31-32 O '61. (MIRA 15:3)
(Artem Island--Oil wells--Equipment and supplies)

GASANOV, I. M.

GASANOV, I. M. "Using naphthalene oil to treat osteomalacia in large horned cattle", Izvestiya Azerbaydzh. s.-kh. in-ta im. Beriya, No. 3, 1946, p. 83-88, (In Azerbaijani, resume in Russian).

SO: U-4393, 19 August 53, (Letopis 'Zhurnal 'nykh Statey', No. 22, 1949).

GASANOV, I.M.

Concerning the "raiyat" serfs of Azerbaijan during the first half of the nineteenth century. Izv. AN Azerb. SSR no.4:63-73 Ap '55. (MLRA 8:6)
(Azerbaijan--Serfdom)

GASANOV, I.M.

Relations of production in a state village of Azerbaijan at the end of the 19th century [in Azerbaijani with summary in Russian]. Dokl. AN Azerb.SSR 12 no.8:599-606 '56. (MLRA 9:10)
(Azerbaijan--Village communities)

GASANOV, I.M.

GASANOV, I.M.; PETRUSHEVSKIY, I.P., redaktor; AGAYEVA, Sh., tekhnicheskiy redaktor

[Peasant landowners in Azerbaijan during the first half of the 19th century] Chastnovladel'cheskie krest'iane v Azerbaidzhane v pervoi polovine XIX veka. Baku, Izd-vo Akad.nauk Azerbaidzhanskoi SSR, 1957. 233 p. (MLRA 10:9)
(Azerbaijan--Land tenure--History)
(Azerbaijan--Peasantry)

ZAKARYAN, M.R., inzh.; GASANOV, I.M., inzh.; PAPIYAN, R.F., agronom

Testing SNU-48 mounted narrow-row grain drills. Trakt. i sel'-khozmash. 31 no.1:28 Ja '61. (MIRA 14:1)

1. Zakavkazskaya Gosudarstvennaya mashinoispytatel'naya stantsiya.
(Drill (Agricultural machinery))

GASANOV, I. M. and LYATIFOV, D. KH. (Assistant Professor and Staff Physician) (Azerbaidzhan SKHI)

"Treatment of the malignant catarrhal fever in water buffalo with biomycin"

Veterinariya, Vol. 38, no. 10, October 1961, pp. 81-89

GASANOV, I.S.; GANBAROV, Yu.G.

Recent data on the tectonics of the southeastern part of the Baku Archipelago. Azerb. neft. khoz. 39 no.1:4-7 Ja '60. (MIRA 14:8)
(Baku Archipelago--Geology, Structural)

S/169/62/000/006/049/093
D228/D304

AUTHORS: Gasanov, I. S. and Guseynov, A. M.

TITLE: Trial application of an aerial gamma-survey in Azerbaydzhan

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 6, 1962, 35, abstract 6A266 (Sb. nauchno-tekhn. inform. Azerb. n.-i. in-t po dobyche nefti, no. 3 spets., 1961, 26-36)

TEXT: The trial employment of an aerial gamma-survey for seeking oil and gas fields is described. A description is given of the apparatus, the procedure, and the interpretation which allowed decreases of 0.5 - 1.5 $\gamma$ in the $\gamma$-radiation intensity to be distinguished when the total range of the $\gamma$-field's variation was 0 - 10 $\gamma$. It is proposed that airborne radiometric surveying should be used only to check a regional $\gamma$-field survey. In order to clarify the nature of anomalies, exposed by aerial gamma-surveying, it is recommended that ground radiometric surveying should be included in the following complex of investigations: field geochemical

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Trial application of ...

surveys; and laboratory determinations of the radioactivity, the absorption capacity and the content of carbonates and various chemical elements in the rocks and soils, forming the surface of anomalous areas. [Abstracter's note: Complete translation.]

Card 2/2

GASANOV, I.S.

Recent data on the tectonics of the western part of the southern Caspian Depression. Azerb. neft. khoz. 40 no.9:1-3 S '61. (MIRA 15:1)

(Caspian Depression—Geology, Structural)

S/035/62/000/008/079/090
A001/A101

AUTHORS: Gadzhiyev, R. M., Gasanov, I. S., Shapirovskiy, N. I.

TITLE: New techniques and methods of marine gravimetric investigations

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 8, 1962, 25, abstract 8G218 ("Novosti neft. i gaz. tekhn. Geologiya", 1961, no. 4, 30 - 31) Referativnyy zhurnal, Geofizika, no. 5, 1962, 21-22, abstract 5A157

TEXT: The method of marine gravimetric observations without anchoring the vessel is described. This method became possible as a result of time reduction necessary for measurements at the expense of eliminating interactions in electric circuits of the ДГПЕ (DGPYe) gravimeter; this was achieved by separate feeding the circuits of thermostat and reading device. When the ship moves from one observational point to the other, the gravimeter is not set on the deck, but is suspended to a crown beam mounted on the deck in the stern part of the ship. Lifting and sinking operations are conducted by one technician from the panel board. A small number of reference-knot points are established, fixed reliably by beacons on the sea. Drifting of gravimeter zero is taken into account by observations at the reference-knot points. The employment of the anchorless method of

Card 1/2

New techniques and methods of...

observations makes it possible to conduct measurements at great sea depths. During one working day, observations at 15 - 20 points can be performed with a rms error of one measurement equalling to ±0.3 mgal (at the density of network being 1 point per 9 $km^2$).

Yu. Yurov

[Abstracter's note: Complete translation]

Card 2/2

ACCESSION NR: AR4008228 S/0169/63/000/011/D023/D023

SOURCE: RZh. Geofizika, Abs. 11D134

AUTHOR: Tereshko, D. L.; Gadzhiyev, R. M.; Gasanov, I. S.

TITLE: Marine gravimetric operations

CITED SOURCE: Sb. Geofiz. izuch. geol. stroyeniya neftegazonosn. obl. Azerbaydzhana, Baku, Azerb. gos. izd-vo, 1963, 58-64

TOPIC TAGS: gravimetry, marine gravimetry, marine gravimetry history, pendulum survey, Apsheron peninsula gravimetry, geophysical instrument, marine gravimetric survey

TRANSLATION: The authors describe the history of marine gravimetry, starting with the pendulum survey of 1930 of the route from Baku to the Kura River delta. Prior to 1954, this work was basically of an experimental character. Its aim was to test and master Soviet equipment and to develop techniques of marine surveying using this apparatus; at the same time, the goal was to have the aquatorial around the Apsheron Peninsula covered by an area survey with an average density of 1 point

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ACCESSION NR: AR4008228

per 10-12 $km^2$. A small bottom gravimeter began to be used in 1956. An anchorless observational technique has been in use since 1958. By the end of 1959, gravimetric surveys covered the entire aquatorial of the Baku Archipelago down to a depth of 100-200 m to the east and up to the national boundary on the south for an area of about 9 thousand $km^2$. The grid density is 1 point per 8-10 $km^2$ on the average; the mean square error per measurement is from $\pm$ 0.3 to $\pm$ 0.7 mgal. The latest surveys were used to construct a map of Bouguer anomalies with isolines over 2 mgal, constructed in conformance to the map of the adjacent land. Bottom gravimetry operations continued in 1960 in the southern part of the Apsheron Peninsula, between Makarov Bank and Neftyany*ye Kamni. In the future, the intention is to survey the entire Apsheron shelf, as well as to continue the survey to the south of the Apsheron Peninsula all the way to the Dagestan border. I. Yesakov.

DATE ACQ: 09Dec63 SUB CODE: AS ENCL: 00

Card 2/2

SIMON, K.; GORINOVA, M.; KOLESOV, V.; SANDOMIRSKIY, V.; GASANOV, K.

Commodity experts reply. Sov.torg. 35 no.7:50-54 Jl '62.
(MIRA 15:11)

1. Zaveduyushchiy sektsiyey torgovoy bazy Rostekstil'torga, Abakan (for Simon). 2. Tovaroved torgovoy bazy Rostekstil'torga, Abakan (for Gorinova). 3. Zaveduyushchiy torgovym otdelom Yereveyevskogo sel'skogo potrebitel'skogo obshchestva, Vologodskaya obl. (for Kolesov). 4. Zamestitel' direktora magazina No.16 "Diyeticheskoye produkty", Khar'kov (for Sandomirskiy). 5. Glavnyy tovaroved optovoy bazy Azerbobuv'torga, Baku (for Gasanov).
(Commerce)

GASANOV, K.; PROVALINSKIY, M.

The Kirovobad Aluminum plant. Sov. profsoiuzy 18 no.19:20-21 O '62. (MIRA 15:9)
(Kirovobad--Aluminum industry)

GASANOV, Kh. A.

Dissertation: "Delirium Tremens and Its Clinical Variants in Legal Psychiatric Practice." Cand Med Sci, Central Inst for the Advanced Training of Physicians, 18 May 54. Vechernyaya Moskva, Moscow, 7 May 54.

SO: SUM 284, 26 Nov 1954

GASANOV, Kh. A. Doc Med Sci -- "Clinic of acute alcoholic psychoses." Baku, 1960 (Min of Health USSR. Central Inst for the Advanced Training of Physicians). (KL, 1-61, 204)

GASANOV, K. kand.med.nauk

Clinical aspects and forensic psychiatric evaluation of rapidly developing alcoholic paranoias. Med. zhur. Uzb. no.1:61-65 Ja '61. (MIRA 14:6)

1. Sudebnoy psikhiatr Ministerstva zdravookhraneniya Azerbaydzhanskoy SSR.

(PARANOIA) (ALCOHOLISM AND CRIME)

GASANOV, Kh.A.

Comparative evaluation of some variants in the treatment of acute alcoholic psychoses. Azerb. med. zhur. no. 5:25-30 My '61.
(MIRA 14:4)

(MENTAL ILLNESS) (ALCOHOLISM)

GASANOV, Kh.A. (Baku)

Acute alcoholic psychoses and their forensic psychiatric significance.
Probl.sud.psikh. 9:377-379 '61. (MIRA 15:2)
(ALCOHOLISM) (MENTAL ILLNESS) (FORENSIC PSYCHIATRY)

GASANOV, Kh.A.

Effect of sulfozin on higher nervous activity in patients with acute alcoholic psychoses. Izv.AN Azerb.SSR.Ser.biol.i med. nauk no.6:101-107 '62. (MIRA 15:12)
(SULFOZIN) (ALCOHOLISM)

GASANOV, Kh.A.; ALEKPEROV, I.I.; TER-BAGDASAROVA, I.K.

Rare case of acute radiation sickness with neuropsychic disturbances. Izv.AN Azerb.SSR. Ser.biol.i med.nauk no.4:111-115 '63.
(MIRA 17:4)

GASANOV, Kh.A.

Review of the literature on experimental studies of the pharmacological properties of aminazine and other preparations of the phenothiazine series. Azerb.med.zhur. 40 no.1:3-9 Ja '63.
(MIRA 16:3)

(PHENOTHIAZINE)

EFENDIYEV, F.A., red.; ABDULAYEV, D.M., red.; MAMEDOV, Z.M., red.; GUSEYNOV, D.Yu., red.; GASANOV, Kh.A., red.; RZAYEV, N.M., red.; KERIMOV, G.M., red.; ABDULLAYEV, M.M., red.

[Problems of cardiovascular and endocrine pathology] Voprosy serdechno-sosudistoi i endokrinnoi patologii. Baku, Izd-vo AN Azerbaidzh.SSR, 1964. 195 p. (MIRA 17:12)

1. Azerbaidzhanskiy institut eksperimental'noy i klinicheskoy meditsiny.

GASANOV, Kh.A.; IBRAGIMBEKOV, F.A., red.

[Acute alcoholic psychoses] Ostrye alkogol'nye psikhozy. Baku, Izd-vo AN Azerb.SSR, 1964. 200 p. (MIRA 17:4)

GASANOV, Kh.A., prof.

International conference in honor of the 100th anniversary of I.M. Sechenov's brilliant work "Reflexes of the brain." Azerb. med. zhur. 41 no.3:89-92 Mr '64. (MIRA 17:10)

GASANOV, Kh.B., kand.med.nauk, KULIYEV, A.A.

Occupational therapy in a suburban psychoneurological hospital.
Azerb.med.zhur. no.4:91-92 Ap '58 (MIRA 11:7)

1. Iz 3-y psikhonevrologicheskoy bol'nitsy gor. Baku (glav-vrach A.A. Kuliyev).
(PSYCHOTHERAPY)
(OCCUPATIONAL THERAPY)

T

USSR/Human and Animal Physiology - The Nervous System.

Abs Jour : Ref Zhur Biol., No 3, 1959, 13258

Author : Gasanov, Kh.G.

Inst :

Title : Experimental Data on Patho-Physiological Disturbances of the Higher Nervous Activity in Delirium Tremens

Orig Pub : Probl. sudebn. psikhiatrii. Sb. 7, M. Gosyurizdat, 1957, 282-303

Abstract : Characteristics of typical and psychotic-induced delirium tremens in patients in the acute period of illness are the presence of phase states in the primary signal system, absence of sufficient work reactions to an established connection, prolongation of the latent period, and echolalic responses in speech experimentation. The pschotic form is distinguished from the typical by slow recovery of neurodynamic displacements, which are manifested in weakness of internal

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USSR/Human and Animal Physiology - The Nervous System. T

Abs Jour : Ref Zhur Biol., No 3, 1959, 13258

inhibition and slight internal retardation on recovery from the acute psychotic state. -- T.G. Beteleva

Card 2/2

GASANOV, K. K.

Cand Phys-Math Sci - (diss) "Solution of mixed tasks for quasi-linear hyperbolic and parabolic equations." Baku, 1961. 10 pp; (Committee of Higher and Secondary Specialist Education of the Council of Ministers Azerbaydzhan SSR, Azer State Univ imeni S. M. Kirov); 150 copies; price not given; bibliography on pp 9-10 (14 entries); (KL, 7-61 sup, 218)

KHUDAVERDIYEV, K.I.; GASANOV, K.K.

Use of the method of wave regions in solving a one-dimensional mixed problem for quasilinear hyperbolic equations of the second order. Uch. zap. AGU. Ser. fiz.-mat. nauk no.1:3-9 '63
(MIRA 18:1)

34578
S/044/62/000/001/024/061
C111/C444

11.3500

AUTHOR: Gasanov, K. K.

TITLE: The solution of the mixed problem for an differential equation of the hyperbolic type with a non-linear part by the Fourier method

PERIODICAL: Referativnyy zhurnal, Matematika, no. 1, 1962, 43-44, abstract 1B217. ("Uch. zap. Azerb. un-t. Ser. fiz.-matem. i khim. n., " 1960, no. 4, 29-37)

TEXT: Considered is the equation

$$\frac{\partial^2 u}{\partial t^2} = Lu + \lambda f(t,x,u), \qquad (1)$$

where $Lu = \sum_{i,j=1}^{n} \frac{\partial}{\partial x_i}\left(a_{ij}(x)\frac{\partial u}{\partial x_j}\right) - a(x)u$ is an operator, the coefficients of which are defined in a finite connected domain $\Omega$ of $x = (x_1, x_2, \ldots, x_n)$, in $\bar{\Omega}$ satisfying the conditions

Card 1/5

The solution of the mixed problem ...

$a_{ij} = a_{ji}$, $\sum_{i,j=1}^{n} a_{ij} \xi_i \xi_j \geq \alpha \sum_{i=1}^{n} \xi_i^2$ .

$\alpha = \text{const} > 0$; $f(t, x)$ is defined in $R = Q_1 \times (-\infty < t < \infty)$, $Q_1 = \Omega_1 \times [0 \leq t \leq 1]$, $1 < \infty$ $\lambda$ is a parameter. For (1) one sets up the mixed problem:

$$u\Big|_{t=0} = \varphi(x), \quad \frac{\partial u}{\partial t}\Big|_{t=0} = \psi(x) \qquad (2)$$

$u|_S = 0$ for $t \in [0, 1]$, where S is the boundary of the domain.

As a solution almost everywhere according to O. A. Ladyzhenskaya (RZhMat ... 1958, 3?4K) one denotes a function $u(t, x)$ which belongs to $D_0^0(Q_1)$, being an element of $W_2^2(Q_1)$, almost everywhere satisfying (1) in $Q_1$ and satisfying (2) in the following sense:

$$\int_{\Omega_1} [u(\Delta, x) - \varphi(x)]^2 \, d\Omega_1 \to 0$$

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The solution of the mixed problem ...

and

$$\int_{\Omega} \left[ \frac{u(\Delta t, x)}{\partial t} - \psi(x) \right]^2 d\Omega \to 0 \text{ for } \Delta t \to 0 .$$

By aid of the Fourier method the existence and the uniqueness of the solution of the given problem is proved.

First of all one considers the system of non-linear integral equations

$$A_s(t) = \frac{\lambda}{\lambda_s} \int_0^t \int_{\Omega} f\left( \tau, x, \sum_{m=1}^{\infty} A_m(\tau) v_m(x) \right) \times$$
$$\times v_s(x) \sin \lambda_s (t-\tau)\, d\Omega d\tau + c_s(t), \; s = 1, 2, \ldots \quad (3)$$

where $v_s$ are the eigenfunctions of L. Let $B_2(0,1)$ be the space of the functions $A(t) = \{A_s(t)\}$ which satisfy the condition

$$\sum_{s=1}^{\infty} \left[ \lambda_s^2 \max_{0 \leqslant t \leqslant 1} |ds(t)| \right]^2 < \infty$$

Card 3/5

The solution of the mixed problem ...

and have the norm

$$\|A(t)\| = \left( \sum_{s=1}^{\infty} \left[ \lambda_s^2 \max | A_s(t) | \right]^2 \right)^{1/2} .$$

Then the following theorems hold:

Theorem 1: Let $c(t) = \{c_s(t)\} \in B_2(0,1)$ and $f(t,x,u)$ satisfy in R the conditions: 1) $f(t,x,C) \in D_1^0(Q_1)$ 2) $f(t,x,u)$ has partial derivatives with respect to $x_i$, and it is

$$| f'_{x_i}(t,x,u) - f'_{x_i}(t,x,v) | \leq b_i(t,x) | u-v | ,$$

$$f'_u(t,x,u) - f'_u(t,x,v) \leq b(t) | u-v | ,$$

where $b_i(t,x) \in L_2(Q)$, $b(t) = \sup_{x \in \Omega} f'_u(t,x,0) \in L_2(0,t)$

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The solution of the mixed problem . . .

Then (3) possesses a unique solution in $B_2(0,1)$ for sufficiently small $\lambda$.

Theorem 2: If $\varphi \in W_2^{(2)}(\Omega)$, $\varphi, \psi \in D^0(\Omega)$ and if $f(t,x,u)$ satisfies the conditions of theorem 1 then for sufficiently small $\lambda$ there exists a solution of the mixed problem.

Theorem 3: If there holds in R:

1) $f(t,x,u)$ measurable with respect to t, x for all u;
2) $|f(t,x,u) - f(t,x,v)| \leq \omega(t)|u-v|$;
3) $\omega(t) \in L_2(0,b)$, $f(t,x,0) \in L_2(Q_1)$;

then the mixed problem does not possess more than one solution almost everywhere

[Abstracter's note: Complete translation.]

Card 5/5

34579
S/044/62/000/001/025/061
C111/C444

14.3500

AUTHOR: Gasanov, K. K.

TITLE: The solution of the mixed problem for a quasilinear equation of the hyperpolic type by aid of the Fourier-method

PERIODICAL: Referativnyy zhurnal, Matematika, no. 1, 1962, 44, abstract 1B218. ("Uch. zap. Azerb. un-t Ser. fiz.-matem. i khim. n," 1960, no. 5, 13-23)

TEXT: By the method of Fourier it is proved that the problem

$$\frac{\partial^2 u}{\partial t^2} = Lu + f(t,x,u), \qquad (1)$$

$$u\Big|_{t=0} = \varphi(x), \quad \frac{\partial u}{\partial t}\Big|_{t=0} = \psi(x), \qquad (2)$$

$$u\Big|_S = 0, \qquad (3)$$

in the cylinder $Q_l = \Omega \times [0 \leq t \leq l]$, $l < \infty$ possesses a solution. Here $\Omega$ is an arbitrary, n-dimensional domain of the $x = (x_1, x_2, \ldots$

Card 1/4

The solution of the mixed problem ... $S$ is the boundary of $\Omega$; $\varphi(x)$ and $\psi(x)$ are given in $\Omega$; ... $x_n)$. $f(t,x,u)$ is defined in $G = Q_1 \times (-\infty < u < \infty)$; the self-adjoint operator

$$Lu = \sum_{i,j=1}^{n} \frac{\partial}{\partial x_i} \left( a_{ij}(x) \frac{\partial u}{\partial x_j} \right) - a(x)\, u$$

is elliptic, i. e. $a_{ij}(x)$, $a(x)$ satisfy the conditions

$$a(x) \geq 0, \quad a_{ij} = a_{ji}, \quad \sum_{i,j=1}^{n} a_{ij} \xi_i \xi_j > \alpha \sum_{j=1}^{n} \xi_i^2 \quad . \qquad (4)$$

$$\alpha = \text{const} > 0$$

The following theorems are proved:

Theorem 1: Let $\Omega$ be an arbitrary bounded connected domain, the coefficients $a_{ij}(x)$ and $a(x)$ be measurable and bounded in $\Omega$ and satisfy (4).

Card 2/4

The solution of the mixed problem ...

If 1.) $\varphi(x) \in \overset{\circ}{D}(\Omega)$, $\Psi(x) \in L_2(\Omega)$ .

2.) $f(t,x,u)$ is measurable with respect to t, x for all u, continuous with respect to u for almost all t,x in $Q_1$, and satisfying the condition

$$|f(t,x,u)| \leq b(t)|u| + b(t,x),\ b(t) \in L_2(0,1),$$
$$b(t,x) \in L_2(Q_1),$$

then the mixed problem possesses at least one generalised solution.

Theorem 2: Let $\Omega$ be an arbitrary normal three-dimensional domain which together with the boundary S is contained in a certain open domain C; let $a_{ij}(x) \in C^{(1,\mu)}$; $a(x) \in C^{(0,\mu)}$ ( $\mu > 0$); (4) be satisfied

If 1.) $a_{ij}(x)$ possess continuous derivatives in $\bar{\Omega}$ up to the second order, and $a(x)$ has a continuous derivative of first order

2.) $\varphi(x) \in W_2^{(4)}(\Omega)$, $\Psi(x) \in W_2^{(3)}(\Omega)$ and $\varphi(x)$, $L\varphi(x)$, $\Psi(x)$
$L\Psi(x) \in \overset{\circ}{D}(\Omega)$

Card 3/4

The solution of the mixed problem ...

3°) $f(t,x,0)$, $Lf(t,x,0) \in D_1^0(Q_1)$

$f(t,x,u)$ possesses partial derivatives with respect to $x,u$ up to the third order inclusively, and satisfies the conditions

$$|f(t,x,u)| \leq b(t)|u| + b(t,x)$$

$$|f'_u(t,x,u)| \leq b_4(t)|u| + b_4(t,x)$$

while the other derivatives satisfy conditions of the type

$$|f'''_{x_i^3}(t,x,u)| \leq b_i(t,x)\,\phi_i(u) + \overline{b_i(t,x)},$$

where

$b(\cdot)$, $b_4(t) \in L_2(0,1)$; $b(t,x)$, $b_4(t,x)$, $b_i(t,x) \in L_2(Q_1)$

$\phi_i(u)$ being bounded for bounded $u$, then the mixed problem possesses at least one classical solution.

[Abstracter's note: Complete translation.]

Card 4/4

16.3500

S/020/63/148/004/004/025
B172/B180

AUTHORS: Guseynov, A. I., Gasanov, K. K.

TITLE: Applicability of Fourier's method to the solution of a mixed problem for a certain class of quasilinear hyperbolic equations

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 148, no. 4, 1963, 761 - 764

TEXT: The equation $\frac{\partial^2 u}{\partial t^2} = Lu + f(\lambda, t, x, u, u_t, u_{x_1}, \dots u_{x_n})$ with the initial conditions $u|_{t=0} = \varphi(x)$, $\left.\frac{\partial u}{\partial t}\right|_{t=0} = \psi(x)$ and the boundary condition $u|_S = 0$ is considered in a domain $\Omega$ with the boundary S; $\lambda$ is a parameter and L is a linear self-adjoint operator of the form

$Lu = \sum_{i,j=1}^{n} \frac{\partial}{\partial x_i}\left(a_{ij}(x) \frac{\partial u}{\partial x_j}\right) - a(x)u$, where $a(x) \geq 0$, $a_{ij}(x) = a_{ji}(x)$;

$\sum_{i,j=1}^{n} a_{ij}(x)\xi_i\xi_j \geq \alpha \sum_{i=1}^{n} \xi_i^2$, $\alpha = \text{const} > 0$. A number of theorems are formu-

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lated concerning the existence and uniqueness of generalized solutions, "almost universal" solutions, and classical solutions. Former papers are cited (K. K. Gasanov, Uch. zap. Azerb. gos. univ., ser. fiz.-matem. i. khim. nauk, no. 3, 47 (1960); no. 4, 29 (1960); no. 5, 13 (1960)) as proofs. Vc

ASSOCIATION: Azerbaydzhanskiy gosudarstvennyy universitet im. S. M. Kirova (Azerbaydzhan State University imeni S. M. Kirov)

PRESENTED: August 1, 1962, by I. N. Vekua, Academician

SUBMITTED: July 30, 1961

GUSEYNOV, A.I.; GASANOV, K.K.

Applicability of Fourier's method to the solution of a mixed problem for a certain class of quasi-linear hyperbolic equations. Dokl.AN SSSR 148 no.4:761-764 F '63. (MIRA 16:4)

1. Azerbaydzhanskiy gosudarstvennyy universitet im. S.M. Kirova. Predstavleno akademikom I.N.Vekua.
(Differential equations)

S/044/63/000/002/022/050
A060/A126

AUTHOR: Gasanov, K.K.

TITLE: On the solution of the first boundary problem for a quasilinear parabolic equation

PERIODICAL: Referativnyy zhurnal, Matematika, no. 2, 1963, 47 - 48, abstract 2B211 (Uch. zap. Azerb. un-t. Ser. fiz.-matem. i khim. n., 1962, no. 2, 25 - 35)

TEXT: The author investigates the existence, uniqueness and the differential characteristics of various solutions (generalized almost everywhere, and classical) for a quasilinear parabolic equation of the form:

$$\frac{\partial u}{\partial t} = Lu + f(t, x, u_1, u_{x_1}, \ldots, u_{x_n}),$$

$u|_{t=0} = \varphi(x)$, $u|_S = 0$, as a function of the properties of the function $f(t, x, u, \ldots)$ and of other data, where S is the boundary of an arbitrary bounded n-dimensional domain $\Omega$, L is a linear selfconjugate operator

Card 1/2

On the solution of the first boundary ....

S/044/63/000/002/022/050
A060/A126

$$Lu = \sum_{i,j=1}^{n} \frac{\partial}{\partial x_i} \left( a_{ij}(x) \frac{\partial u}{\partial x_j} \right) - a(x)\, u,$$

whose coefficients satisfy in the domain $\Omega$ the conditions

$$a(x) \geq 0, \quad a_{ij}(x) = a_{ji}(x); \quad \sum_{i,j=1}^{n} a_{ij} \xi_i \xi_j > \alpha \sum_{i=1}^{n} \xi_i^2,$$

where $\alpha = \text{const} > 0$.

N.I. Mozzherova

[Abstracter's note: Complete translation]

Card 2/2