

GASANOV, A.M.

26(0); 23(2)

PHASE I ROCK EXPLOITATION

SOV/3565

Akademiya nauk Azerbaydzhanskoy SSR

Trisly dokladov Soveshchaniya po vychislitel'noy matematike i primeneniyu sredstv vychislitel'noy tekhniki (Outlines of Reports of the Conference On Computational Mathematics and the Use of Computer Techniques) Baku, 1958. 63 p. 400 copies printed.

Additional Sponsoring Agencies: Akademiya nauk SSSR. Vychislitel'nyy tsentr, and Akademiya nauk BSSR. Institut avtomatiki i telemekhaniki.

No contributors mentioned.

PURPOSE: This book is intended for pure and applied mathematicians, scientists, engineers and scientific workers, whose work involves computation and the use of digital and analog electronic computers.

COVERAGE: This book contains summaries of reports made at the Conference on Computational Mathematics and the Application of Computer Techniques. The book is divided into two main parts. The first part is devoted to computational mathematics and contains 19 summaries of reports. The second section is devoted to computing techniques and contains 20 summaries of reports. No personalities are mentioned. No references are given.

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Card 3/7

AUTHOR: Casanov, A. M. 108-1-8/10
TITLE: Modeling of Tube Input Admittance (Modelirovaniye
vkhodnoy provodimosti lampy)
PERIODICAL: Radiotekhnika, 1958, Vol. 13, Nr 1, pp. 77-79 (USSR)

ABSTRACT: A diagram for the set up of a model of the effective component of the valve input admittance is given. The calculation of this diagram is given. It is shown that for such a model a dipole must be present the effective resistance of which changes with the square of the frequency. If this dipole besides the effective resistance also has a reactance the magnitude of the latter must be independent of the frequency. A diagram of such a dipole with a valve, in the cathode circuit of which a certain inductivity L and between supply and cathode a capacity C is inserted is given. The dipole investigated here consists of a capacity and an effective resistance connected in series where the magnitude of the latter changes (proportionally) with the square of the frequency. For the experimental checking of the theoretical details an input effective admittance of the valve type

Card 1/2

Modeling of Tube Input Admittance

108-1-8/10

6 X111 was modelled. As dipole valve a duotriode of the type 6H157 was used. The experimental data confirmed the theoretical explanations. There is 1 figure

SUBMITTED: November 12, 1956

AVAILABLE: Library of Congress

1. Cathodes (Electron tubes)-Modelling

Card 2/2

GASANOV, A.M., Cand Phys Math Sci — (diss) "Study of certain mathematical problems ^{of} ~~in~~ the filtration of aerated petroleum." Baku, Pub House of Acad Sci AzSSR, 1959, 7 pp (Azerbaijdzhan State Univ im S.M. Kirov. Acad Sci Az SSR. Inst of Physics and Mathematics) 150 copies (KL, 28-59, 122)

- 6 -

GASANOV, A.M.

Ecologico-anatomical investigation of some plants of
Azerbaijan growing under different climatic conditions. Trudy
Inst.bot.AN Azerb.SSR 21:184-268 '59. (MIRA 13:3)
(Mugan Steppe--Botany--Anatomy)
(Lenkoran Lowland--Botany--Anatomy)

GASANOV, A.M.

Theory of the flow of gas-containing petroleum. Izv.AN Azerb.
SSR.Ser.fiz.-mat.i tekhn.nauk no.5:29-33 '60.

(MIRA 14:4)

(Oil reservoir engineering)

89138

9,1310

S/108/61/016/002/011/011
B107/B212

AUTHOR: Gasnov, A. M.

TITLE: Adjustable filter for lower frequencies of the SHF-band.
Author's abstract

PERIODICAL: Radiotekhnika, v. 16, no. 2, 1961, 79-80

TEXT: The filter in question consists of a "conductor between two equipotential plates" type band transmission line and it has a variable characteristic wave impedance. The inner conductor diameter is constant within the filter which differs from standard SHF-filters. The variable characteristic wave impedance is obtained by changing the spacing between inner conductor and side plates, which makes the side plates to appear step-like (Fig. 1). The size of the L and C portion of the side plates vary. The filter is tuned by moving the inner conductor parallel to the plates. Since capacitance and inductance are changing linearly setting of the cutoff frequency is also linear. However, the characteristic wave impedance stays constant, since it is not a function of the inner conductor position. The inner conductor is sticking out over the front

Card 1/3

Adjustable filter for lower ...

89138

S/108/61/016/002/011/C11
B107/B212

end of the plates because their widths vary. This can be avoided by modifying the plates or the connecting device which is used to connect the filter with common coaxial line. This might be done as follows: 1) the plates are widened that the front end of the connecting device is vertical to the inner conductor. Here, the characteristic wave impedance of the extension brings about good tuning of the filter with both terminals. 2) The front end of the connecting device is slightly inclined to the inner conductor axis and the connecting device is located such that the inner conductor can be shortened where the side plates are also shorter. However, this is a very complicated method and it limits the change of the cutoff frequency. Experimental data as represented in Fig.3 show that the law for the change of cutoff frequencies with the configuration of the side plates is practically preserved. The filter can be calculated like that of a common coaxial line. The method of varying configuration of side plates and shifting of the inner conductor might also be applied for other purposes. There are 3 figures and 3 references: 2 Soviet-bloc and 1 non-Soviet-bloc.

ck

SUBMITTED: Article January 19, 1959; Author's abstract November 1, 1960
Card 2/3

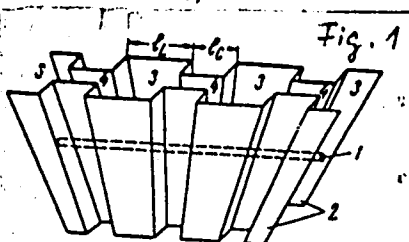
Adjustable filter for lower ...

89138

S/108/61/016/002/011/011
B107/B212

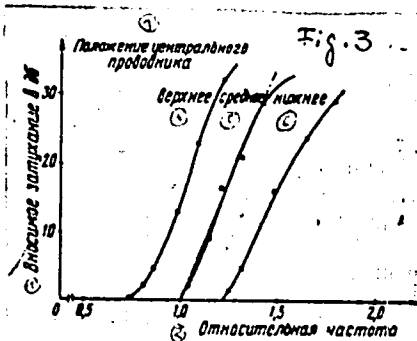
Legend to Fig. 1:

- 1) inner conductor; 2) side plates;
- 3) inductive portion; 4) capacitive portion.



Legend to Fig. 3:

- 1) Insertion loss in db; 2) relative frequency;
- 3) position of the inner conductor; 4) top; 5) middle; 6) bottom.



Card 3/3

GASANOV, A.M.

Solving a unidimensional problem on the filtration of bubble point petroleum on the "URal-1" computer. Dokl. AN Azerb. SSR 17 no. 2:103-107 '61. (MIRA 14:4)

1. Institut matematiki i mekhaniki AN Azerbaydzhanskoy SSR.
(Oil reservoir engineering)

GASANOV, A.M.

Ecologic anatomy of field bindweed (*Convolvulus arvensis* L.).
Izv.AN Azerb.SSR.Ser.biol.i med.nauk. no.5:9-16 '62.

(AZERBAIJAN--BINDWEED) (MIRA 15:9)

GASANOV, A.M.

Ecologic and anatomic study of two species of cinquefoil
(Potentilla). Izv.AN Azerb.SSR,Ser.biol.i med,nauk no.6:17-27
'62. (MIRA 15:12)
(AZERBAIJAN--CINQUEFOIL)

GASANOV, A.A.

Some data on the comparative anatomy of three species of woodruff
(Asperula) growing under different ecological condition. Tr. AN
Azərbaycan Respublikası. Ser. biol. i med. nauk no.1:15-23 '63. (MIRA 17:5)

GASANOV, A.M.; CHERNYAYEV, V.B.

Evaluation of the parameters of nonoverloaded amplifiers. Prib.
i tekhn. eksp. 7 no.2:97-98 Mr-Ap '62. (MIRA 15:5)

1. Fiziko-tekhnicheskiy institut AN SSSR.
(Amplifiers, Electron tube)

KHALILBEYLI, Ch.A.; GASANOV, A.N.

Eruption of the Kurami volcano. Azerb. neft. khoz. 39 no.10:9-11 0
'60. (MIRA 13:11)

(Kurami volcano)

GASANOV, A.N.

Prospects for finding oil and gas on Duvanny Island. Uch.zap.AGU.
Ser.geol.-geog.nauk no.5:31-36 '61. (MIRA 16:9)

GASANOV, A.P.; RAGIMOV, A.A.; DZHALILOV, T.I.

Improving hydraulic refracturing techniques [in Azerbaijani with
summary in Russian]. Azerb. neft. khoz. 38 no.2:29-32 F '59.
(MIRA 12:5)

(Oil wells--Hydraulic fracturing)

GASANOV, A.P.

Injector transducer for air or gas lift wells. Azerb.neft.khoz.
40 no.8:46-47 Ag '61. (MIRA 15:2)
(Oil wells--Gas lift) (Transducers)

CA

11H

The influence of atebirin (acricidine) on the cathepsin of the liver. A. Gasimov and A. S. Gleser. *Arkhiv. Khimich. Med.* 1938, 101-4; *Chem. Zentr.* 1939, 1, 3582. At a concn. of 0.002 M and 0.001 M and a pH of 4, atebirin tends to check the proteolytic cathepsin effect of a liver ext.; at the lower concns. of 0.00025 M and 0.000125 M the effect is to stimulate the proteolytic action of the cathepsin. The connection between the influence on protein metabolism and the antipyretic action of quinine and atebirin is pointed out. W. A. Moore

ALSO SEE METALLURGICAL LITERATURE CLASSIFICATION

117 AND 118 (1958) 119 AND 120 (1958)

PROCESSES AND PROPERTIES INDEX

CA

118

Naphthalan and the biochemistry of the skin. I. The influence of naphthalan on the proteolysis of the skin. A. Gasanov and I. K. Golberg. *Akademskaia Med. Zhur.* 1938, 115-17; *Farmatsiya i Farmakol.* 1938, No. 3, 3-5; *Chem. Zentr.* 1938, II, 4270.—By frequently rubbing naphthalan into the skin the residual N content of the skin was sharply diminished. This was due not to an inhibition of proteolysis but to an increase in the exchange of substances between the tissue and the blood.
M. G. Moore

ASB-51A METALLURGICAL LITERATURE CLASSIFICATION

117 AND 118 (1958) 119 AND 120 (1958)

PROCESSED AND PREPARED UNDER
1ST AND 2ND ORDERS

11 H

Chlorides in the blood after the use of carbon tetra-
chloride. A. S. Gassanov, S. M. Turev and A. S. Glier.
Izvestiia Khim. Med. Zhur. 1938, No. 4, 119-21; *Chem.
Zentr.* 1940, II, 1882.—The Cl content of the blood was
detd. in 48 cases of ankylostomiasis before and after ad-
ministration of CCl_4 (3 cc. CCl_4 followed by 30 g. Na_2SO_4
5 min. later). In every case there was an increase in the
Cl content after a single dose of the CCl_4 . This was prob-
ably due in part to absorption. M. G. Moore

A16 514 METALLURGICAL LITERATURE CLASSIFICATION

SEARCHED	INDEXED	SERIALIZED	FILED	RECEIVED	DATE	BY	CLASSIFICATION

PROCESSING AND PROPERTY NOTES

117

The influence of atebria (acriquina) on proteolysis of the liver. A. S. Gasanov, A. S. Gleser and I. Pankova. *Izv. Akad. Nauk SSSR, Zhur.* 1938, No. 4, 182-4; *Chem. Zentr.* 1940, II, 1808; cf. *C. A.* 34, 8057².—The residual N was detd. on sections of rat liver (prepl. according to Warburg in Ringer soln. at 37°) after treatment with atebria solns. of varying concn. Proteolysis was stimulated by low concns. (1/8000-1/1) and inhibited by more concd. solns. (1/1000 to 1/10000). M. G. Moser

METALLURGICAL LITERATURE CLASSIFICATION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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cd
Influence of sulfathiazole on cathepsin activity in the liver. A. S. Gasanov and R. I. Pukshanskaya (Azerbaijan Dermato-Venereol. Inst.). *Farmakol. i Toksikol.*

11-H

9, No. 3, 8-10 (1948). — Rats were given sulfathiazole (I), 2 doses (1 mg./kg. each) in aq. emulsion with gum acacia by throat spray. Sharp decreases in cathepsin (II) activity (measured with 0.05 N NaOH) were observed, although I activates II *in vitro*. Probably inhibition of cell protease is the actual cause of decreasing the activity of II.
Julian F. Smith

458 544 RETAINED LITERATURE CLASSIFICATION

MAYLYAN, L. M.; GASANOV, A. S.; PIPIK, O. G.; ZOKHRABBYEKOV, Z. S.;
MAKHMUDBYEKOV, L. A.; SHUSS, A. A.; NADZHAROV, A. G.

30 Years of scientific, medical and pedagogic activity of
I. S. Ginzburg. Khirurgia, Moskva no.7:86-87 July 1951.
(CIML 21:1)

1. Honored Worker in Science, Professor. 2. Chief Oncologist
Azerbaydshan SSR attached to the Ministry of Public Health,
Member of the Central Committee of the Red Crescent,
Chairman of the Oncological Section of Azerbaydzhnan Medical
Society, Member of the Learned Medical Council of the
Ministry of Public Health of the Republic.

GASANOV, A.S.; PANOVA, O.Ye.

Combined effect of certain sulfanilamide preparations and carotona-
phthalane on the activity of carbonic anhydrase in blood. Tr.
Vsesoiuz. obsh. fiziol. no. 1:126 1952. (CML 24:1)

1. Delivered 28 March 1950, Baku.

GASANOV, A.S.; ABDULLAYEV, A.S.; AGAKISHIBEKOVA, S.F.

Deposition of carotene in the liver as affected by the use of
Istisu mineral water. Uch.zap.agu no.6:57-61 '55. (MLRA 9:11)
(LIVER) (CAROTENE) (ISTISU--MINERAL WATERS)

USSR / Human and Animal Physiology. Metabolism.

T

Abs Jour: Ref Zhur-Biol., No 9, 1958, 41045.

Author : Gasanov, A. S.; Kaplan, B. G.
Inst : Azerbaydzhani Medical Institute.
Title : The Effect of Various Feedings of Carotene on
Succinodehydrase Activity in the Brain, Liver,
Kidneys and Skeletal Muscles.

Orig Pub: Sb. Tr. Azerb. med. in-ta, 1956, vyp. s, 26-30.

Abstract: Rats were fed daily, for a period of 10 days, 25-100 micrograms/kg of carotene, following which, succino-dehydrase activity was determined in various organs. Increase of enzyme activity was noted: 31.9% in the brain, 35.9% in the liver, 42.9% in the kidneys and 28.5% in the skeletal muscles. The highest effect was noted with daily feedings of 50 micrograms of carotene. -- V. I. Rozengart.

Card 1/1

23

GASANOV, A.S.; ABDULLAYEV, A.S.

Effect of istisu on the amount of glycogen in the liver, kidneys,
cardiac and skeletal muscles, and skin. Uch.zap.AGU no.3:59-62
'56. (MLRA 10:4)

(Istisu--Mineral waters) (Carbohydrates in the body)
(Glycogen)

GASANOV, A.S., prof., zasluzhennyy deyatel' nauki, ORUDZHEV, I.M., prof.,
zasluzhennyy deyatel' nauki, KAPLAN, B.G., TAGIYEV, M.A.

Biochemical changes in thyrotoxicosis. Azerb.med.zhur. no.5:71-75
My '58 (MIRA 11:6)

1. Iz 1-y fakul'tetskoy terapevticheskoy kliniki (zav. -zasluzhennyy
deyatel' nauki, prof. I.M. Orudzhev) i kafedry biokhimii (zav. -
zasluzhennyy deyatel' nauki, prof. A.S. Gasanov) Azerbaydzhanskogo
gosudarstvennogo meditsinskogo instituta im. N. Narimanova.
(THYROID GLAND.-DISEASES)

GASANOV, A.S., zasluzhennyy deyatel' nauki, prof.

Effect of Istius mineral water on some biochemical aspects of
digestion. Azerb.med.zhur. no.12:71-75 D '58 (MIRA 12:1)

1. Iz kafedry biokhimii Azerbaydzhasnogo gosudarstvennogo meditsinskogo
instituta im. N. Narimanova.
(MINERAL WATERS)
(DIGESTION)

GASANOV, Akhad Saftarovich

[Vitamins and health] Vitaminy i zdorov'ie. Moskva, Znanie,
1959. 28 p. (Vsesoiuznoe obshchestvo po rasprostraneniui
politicheskikh i nauchnykh znani. Ser.8, Biologiya i meditsina,
no.5). (MIRA 13:5)

(VITAMINS)

GASANOV, A.S.

Materials for a study of the effect of carotene on biochemical processes. Vitaminy no.4:83-88 '59. (MIRA 12:9)

1. Kafedra biokhimii Azerbaydzhanskogo meditsinskogo instituta in. Narimanova, Baku.
(CAROTENS) (GLYCOLYSIS) (PROTEIN METABOLISM)

GASANOV, A.S., KAFLAN B.G. (USSR)

"Biochemical Changes during Vitamin A Deficiency."

Report presented at the 5th Int'l Biochemistry Congress,
Moscow, 10-16 Aug. 1961

GASANOV, A.S.; BABAYEV, A.Z.; SAPOZHNIKOVA, Ye.V.; KAPLAN, B.G.

Important landmark in the development of biochemistry; on the
5th International Congress of Biochemistry. Izv.AN Azerb.
SSR.Ser.biol.i med.nauk no.6:115-126 '62. (MIRA 15:12)
(BIOCHEMISTRY--CONGRESSES)

GAFAROVA, S.A.; GASANOV, A.S.

Vitamin C metabolism in the organism of guinea pigs infected
with listeriosis. Izv. AN Azerb. SSR. Ser. biol. no.4:123-126
'64. (MIRA 17:12)

GASANOV, A.S.; PANEVA, C.Ye.; TAGDISI, D.G.

Present status of biochemistry based on materials of the First
All-Union Congress of Biochemists. Izv. AN Azerb. SSR. Ser.
biol. no.4:127-133 '64. (MIRA 17:12)

ALIYEV, A.M.; GASANOV, A.S.

Study of the interrelationship between some salts of rare and
rare-earth elements and vitamins of the B group. Dokl. AN
Azerb. SSR 20 no.8:79-84 '64. (MIRA 17:12)

KAZIYEVA, N.K.; GASANOV, A.S.

Functional state of the anticoagulative blood system in ethereal
narcosis. Izv. AN Azerb. SSR. Ser. biol. nauk no.3:126-130 '65.
(MIRA 18:10)

24.7100

75996
SOV/70-4-5-18/36

AUTHORS: Gasanov, B. G., Grum-Grzhimaylo, S. V.

TITLE: Absorption Spectra of the Crystals and Solutions of the Complex Compounds of Fe, Ni, and Cu, with Mono-, Di- and Triethanolamine

PERIODICAL: Kristallografiya, 1959, Vol 4, Nr 5, pp 732-741 (USSR)

ABSTRACT: The protection of ferrous metals from corrosion by the films of monoethanolamine or of its derivatives, their negative effect on nonferrous metals, the preceding attempts to disclose the mechanism leading to one or another effect, and determination of the compounds formed by ethanolamines with various metals, are cited. The authors studied absorption spectra of the colored crystals and solutions of the compounds listed in the title. The purpose was to determine the valence and coordination of the complexes, to clarify the effect of ethanolamines on the absorption spectra and color of the complex compounds,

Card 1/1

Absorption Spectra of the Crystals and
Solutions of the Complex Compounds of Fe,
Ni, and Cu, with Mono-, Di-, and Triethanolamine

75996
SOV/70-4-5-18/36

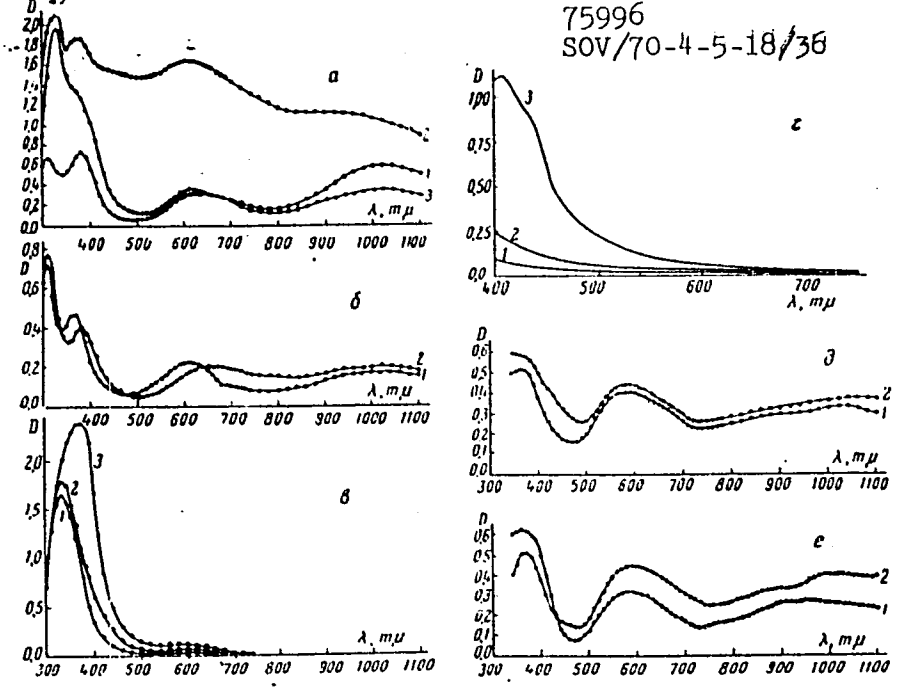
produced under various conditions. The absorption curves for solutions and crystalline powders of the ethanolamine compounds with Ni are shown in Fig. 2. The one year old crystals of $[\text{Cu}(\text{H}_2\text{NCH}_2\text{CH}_2\text{OH})_4]\text{SO}_4 \cdot 4\text{H}_2\text{O}$, washed in water, had greenish-blue color, cleavages in 3 directions, extinctions from 0 to 30°, blue to green pleochroism, refraction indices $n_\gamma = 1.574$ and $n_\alpha = 1.560$. The $[\text{Cu}(\text{H}_2\text{NCH}_2\text{CH}_2\text{OH})_3\text{H}_2\text{O}]\text{SO}_4$ crystals, washed in alcohol, had blue color, and the same cleavages, extinctions, and pleochroism, as the former crystals, but lower hardness and refraction indices $n_\gamma = 1.571$ and $n_\alpha = 1.552$. The $[\text{Cu}(\text{H}_2\text{NCH}_2\text{CH}_2\text{OH})_4](\text{NO}_3)_2 \cdot \text{H}_2\text{O}$ crystals were dark blue, prismatic, with positive elongation and cleavages in 3 directions, violet to blue pleochroism, extinctions from 30° to 70°, $n_\gamma = 1.586$ and $n_\alpha = 1.581$. The $[\text{Cu}(\text{H}_2\text{NCH}_2\text{CH}_2\text{OH})_3\text{H}_2\text{O}](\text{NO}_3)_2$ crystals had about the same properties. Similarly, the properties of the complex compounds with Ni and Fe were

Card 2/4

Absorption Spectra of the Crystals and Solutions of the Complex Compounds of Fe, Ni, and Cu, with Mono-, Di-, and Trichloroamine

75996
SOV/70-4-5-18/36

Fig. 2.
Curves for
aqueous solutions
(a, b, c, d)
Curves for crystals
(e, f)



Card 3/4

Absorption Spectra of the Crystals and
Solutions of the Complex Compounds of Fe,
Ni, and Cu, with Mono-, Di-, and Triethanolamine

75996
SOV/70-4-5-18/36

established. They differ considerably from the former, including the crystal habits. The compounds with Fe proved to be unstable except in alcohol. The reactions with pure Ni and Cu produce the same compounds, which result from reactions with the salts of the respective metals. The maximum absorption shifts toward longer waves when monoethanolamine is substituted by di- and triethanolamines, while substitution of SO_4^- by NO_3^- hardly affects the absorption. There are 3 figures; 2 tables; and 19 references, 13 Soviet, 2 French, 1 U.S., 1 German, 1 Finnish, 1 Indian. The U.S. reference is: M. Bolling, L. Hall, J. Amer. Chem. Soc., 75, 16, 3953 (1953).

ASSOCIATION: Moscow State Pedagogical Institute imeni V. I. Lenin and Crystallographical Institute of the Academy of Sciences of the USSR (Moskovskiy gosudarstvennyy pedagogicheskiy institut imeni V. I. Lenina i Institut Kristallografii AN SSSR)

SUBMITTED:
Card 4/4

May 29, 1959

GASANOV, B. G., Cand Chem Sci -- (diss) "Study of the reaction of aqueous solutions of ethanolamines with iron and some non-ferrous metals." Baku, 1960. 20 pp; (Committee of Higher and Secondary Specialist Education of the Council of Ministers Azerbaydzhan SSR, Azerbaydzhan State Univ im S. M. Kirov); 150 copies; free; (KL, 31-60, 140)

25083

S/081/61/000/010/019/029

B117/B206

18 8310

AUTHORS: Gasarov, B. G., Klyuchnikov, N. G.

TITLE: Effect of ethanolamines on some nonferrous and ferrous metals

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 10, 1961, 283, abstract 10W238 (10T238). ("Uch. zap. Mosk. gos. ped. in-ta im. V.I. Lenina", no.146, 1960, 170-175)

(MIRA 15:4)

TEXT: It is stated that ethanolamine used as corrosion inhibitor for ferrous metals attacks nonferrous metals (Cu, Co) by forming with them complexes of the following type: $[Cu(E_2NCH_2CH_2OH)_4]CO_3 \cdot 5H_2O$. With ethanolamine in the presence of atmospheric oxygen, Fe produces a compound of the following composition: $[Fe(E_2NCH_2CH_2OH)_3](OH)_3$ which is only stable in the absence of humidity. [Abstracter's note: Complete translation.]

X

Card 1/1

18.8310

33851

S/137/62/000/001/198/237
R006/A101

AUTHORS: Gasnov, B. G., Klyuchnikov, N. G.

TITLE: Changes in the electrode potentials of iron, cobalt, nickel, and copper in monoethanolamine in the presence of some oxidizers

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 1, 1962, 86, abstract 11604 ("Tr. In-ta khimii. AN AzerbSSR," 1961, v. 19, 97-106, Azerb. summary)

TEXT: When studying changes in electrode potentials of 20 grade steel, Co, Ni and Cu in monoethanolamine solutions (I) in the presence of oxidizers (O_2 , H_2O_2 , $K_2Cr_2O_7$) the following facts were established by the potentiometric method: I is not oxidized by the action of H_2O_2 and O_2 . The effect of I on the metals results in the summary effect of the inhibitor and H_2O_2 , which entails abrupt changes in the potential to the positive side. The diffusion of these metals in I, in the presence of H_2O_2 , is practically not different from the diffusion of these metals in the presence of O_2 . Changes in the potential when $K_2Cr_2O_7$ is added to I, can be explained by the fact, that I due to its alkaline properties converts the $Cr_2O_7^{2-}$ ion into a CrO_4^{2-} ion, forming on the metal

Card 1/2

33851

S/137/62/000/001/198/237
A006/A101

Changes in the electrode potentials ...

surface a passive film. The potential which is obtained when $K_2Cr_2O_7$ is added, is a potential of a passivated metal in the solution of I. There are 9 references.

Authors' summary

X

[Abstracter's note: Complete translation]

Card 2/2

GASANOV, B.G.; SALIMOV, M.A.; MELIKOVA, Z.D.

Selenium dioxide compounds with alcohols. Azerb. khim. zhur.
no.2:31-35 '63. (MIRA 16:8)

L: 31553-66

ACC NR: AP6005113

SOURCE CODE: UR/0316/65/000/005/0082/0085

AUTHOR: Gasanov, B. G.; Ibragimov, N. Yu.; Karayev, Z. Sh.; Nasibov, I. O.

42
B

ORG: Institute of Inorganic and Physical Chemistry, AN Azerb. SSR (Institut neorganicheskoy i fizicheskoy khimii AN Azerb. SSR)

TITLE: Infrared absorption spectra of selenogallates MeGaSe_3 of certain lanthanides

SOURCE: Azerbaydzhanskiy khimicheskiy zhurnal, no. 5, 1965, 82-85

TOPIC TAGS: selenium compound, gallium compound, lanthanum compound, praseodymium compound, neodymium compound, samarium compound, cerium compound, infrared spectrum, refractive index, x ray diffraction

ABSTRACT: An attempt was made to establish general relationships between the optical properties and composition of the compounds LaGaSe_3 , CeGaSe_3 , PrGaSe_3 , NdGaSe_3 , and SmGaSe_3 . An IKS-14 infrared spectrograph and MIN-8 polarizing microscope were used. All the IR absorption spectra of these compounds were found to be basically similar, and not very different from the IR spectra of the corresponding selenides. This shows that the selenogallates studied are analogous in character. These results are in agreement with the reported results of thermographic, x-ray diffraction, and chemical analyses. Microscopic examination showed the selenogallates to be nontransparent, i. e., no pleochroism or extinction was observed. The refractive indices of the compounds were measured and found to be the same,

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I 31553-66

ACC NR: AP6005113

1.5085; n_d $CeGaSe_3$ = 1.4785. The data confirm the general characteristics of the molecular nature of selenogallates of the cerium subgroup elements. Orig. art. has: 1 figure and 1 table.

SUB CODE: 072c/SUBM DATE: 18Dec64 / ORIG REF: 003.

Card 2/2 IC

GASANOV, B. I.

GASANOV, B.I.

Division of Massaly District, Azerbaijan S.S.R., into agricultural
land types [in Azerbaijani with summary in Russian]. Izv. AN Azerb.
SSR no.12:135-148 D '57. (MIRA 11:2)
(Massaly District--Soils)

С. 110, 111.

Some features of yellow mountain forest soils in the Caucasus zone
[in Azerbaijani with summary in Russian]. Doklady Akad. Nauk Azerb. SSR, 1966,
669-673, 150.

(Nasrallyev, N. I. - Forest soils)

GASANOV, B.I.

Moscow R. ... the
...
Nasser ...
...

GASANOV, B.I.

Yellow Podzol soils of Masally District, Azerbaijan S.S.R. [in
Azerbaijani with summary in Russian]. Izv. AN Azerb. SSR no.1:115-
125 '58. (MIRA 11:6)

(Masally District--Podzol)

GASANOV, B.I.

Some genetic characteristics of mountain-forest brown soils of
the southern slope of the Greater Caucasus Range. Izv.AN Azerb.
SSR.Ser.biol.i med.nauk no.4:97-106 '62. (MIRA 15:12)
(CAUCASUS--SOIL CHEMISTRY)

GASANOV, B.I.

Yellow soils in the Zakataly zone. Izv.AN Azerb.SSR. Ser.biol.1
med.nauk no.4:83-92 '63. (MIRA 17:4)

GASANOV, B.I.; GYUL'MAMEDOV, R.G.

Soil and climate conditions for the cultivation of the Amur cork
tree in the Zakataly zone. Izv. AN Azerb. SSR. Ser. biol. no.4:
91-97 '64. (MIRA 17:12)

GASANOV, B.I.

Dark-brown soils of the semihumid subtropics. Izv. AN Azerb.
SSR. Ser. biol. nauk no.6:51-58 '64. (MIRA 18:6)

GASANOV, D., inzh.

More about using the brigade method in repairing roads. Avt. dor.
21 no.5:19 My '58. (MIRA 11:6)
(Daghestan--Roads--Maintenance and repair)

GASANOV, D.A.; USHAKOV, A.V.

Luminescence methods of studying wells. Azerb. nef. khoz. 40
no.10:9-12 0 '61. (MIRA 15:3)
(Gas well logging) (Luminescence)

Gasanov, D. G.

Gasanov, D. G.

"Alkylation of Anthracene, Phenanthrene, and Their Technical Mixtures, Using Unsaturated Hydrocarbons." Min Higher Education USSR. Azerbaydzhan State U Ineni S. M. Kirov. Baku, 1954. (Dissertation for the Degree of Candidate in Chemical Sciences)

So: Knizhnaya letopis', No. 27, 2 July 1955

GASANOV, D. G.

Alkylation of polynuclear aromatic hydrocarbons with unsaturated hydrocarbons? VII. G. Stamedel'nyy and D. G. Gasanov. Zhurnal Khimicheskoy Fiziki, 1956, No. 1, 2-21 (Russian summary 21-2) - Catalytic alkylation of anthracene with unsaturated hydrocarbons, contained in cracked gasolines, in the presence of H₂SO₄, leads to the formation of tri-, di-, and monoalkyl derivatives. With increase of mol. wt. of olefin the formation of di- and tri-alkyl derivatives becomes more difficult. The optimum yield of the monoalkyls was obtained at 0-10°, 90-20% H₂SO₄ concn., and at the ratio of olefins to anthracene 4-10:1, time 3-4 hrs. The compds. obtained correspond to the amyl, hexyl, heptyl, octyl, nonyl, undecylanthracenes with f.p. from -16 to -37°. They are characterized by high viscosity and can be used as syntactic oils. M. Chermundarian

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GASANOV, D. G.

MAMEDALIYEV, Yu.G.; GASANOV, D.G.

Alkylation of phenanthrene with unsaturated hydrocarbons [in Azerbaijani with summary in Russian]. Uch. zap. AGU no. 4:47-54 '57. (MIRA 11:1)

(Phenanthrene) (Alkylation) (Olefins)

GASANOV, D.G.
MAMEDALIYEV, Yu.G.; GASANOV, D.G.

Alkylation of anthracene oil [in Azerbaijani with summary in
Russian]. Uch. zap. AGU no.5:35-46 '57. (MIRA 11:1)
(Alkylation) (Petroleum industry--By-products)

L 4277-66 EWT(m)/EWP(j)/T/EWP(t)/EWP(b) IJP(c) JD/RM

ACC NR: AP5024484

UR/0316/65/000/003/0120/0126

AUTHOR: Akhmedli, M. K.; Gasanov, D. G.; Aliyeva, R. A.

42
40
B

TITLE: Spectrophotometric study and development of a method of determining the germanium-stilbazo complex

SOURCE: Azerbaydzhanskiy khimicheskiy zhurnal, no. 3, 1965, 120-126

TOPIC TAGS: germanium, germanium compound, quantitative analysis, spectrophotometric analysis

ABSTRACT: The authors observed that germanium reacts with stilbazo to form an orange-colored complex. In order to determine the conditions of complex formation, absorption spectra of the reagent and complex were taken at various pH values, and the molar extinction coefficient (at 5300 A) and instability constant of the complex were determined. The composition of the complex was found to be $[Ge^{+4}]:[R] = 1:2$. The solution of the complex obeys the Lambert-Beer law. A method is proposed for determining germanium in the absence of foreign ions when the metal is present in amounts from 4 to 73 $\mu\text{g/ml}$. The method is applicable to the determination of germanium-containing samples. A comparison with the gravimetric and colorimetric (phenylfluorone) methods shows that the proposed method is just as accurate. Orig. art. has 7 figures and 3 tables.

Card 1/2

L 4277-66

ACC NR: AP5024484

2

ASSOCIATION: AGU im. S. M. Kirova 5

SUBMITTED: 10Feb65

ENCL: 00

SUB CODE:

NO REF SOV: 003

OTHER: 001

Card

2/2

DP

L 11580-00 EWI(m)/I/EWP(j) RM

ACC NR: AP5028893

SOURCE CODE: UR/0316/65/000/004/0092/0095

AUTHOR: Akhmedli, M. K.; Gasanov, D. G.; Aliyeva, R. A.

41

B

ORG: AGU im. S. M. Kirova

TITLE: Investigation and photometric determination of a complex compound of germanium with Alizarin Red S

7

SOURCE: Azerbaydzhanskiy khimicheskiy zhurnal, no. 4, 1965, 92-95

TOPIC TAGS: photometric analysis, optic method, germanium, optic density, optic property, complex molecule, germanium compound

ABSTRACT: The feasibility of photometric determination of germanium contents was examined. The object of the study was to develop a simple optical technique for analytical purposes. Various mixtures of $1 \cdot 10^{-3}$ moles of Alizarin Red S in water with metallic germanium in H_2O_2 were prepared and examined on an FM-photometer. The volume of solution V was 25 ml, the $\lambda = 4700 \text{ \AA}$, and the cuvette length $l = 1 \text{ cm}$. The position of the maximum of the optical density (see fig. 1) indicates that the ratio of Ge^{+4} to Alizarin Red S in the complex compound is 1:2. The results of the photometric method based on the Ge-Alizarin Red S complex were in good agreement with the results of the gravimetric method as well as with the phenylfluoric- and molybdenum methods.

Card 1/2

L 11586-66

ACC NR: AP5028893

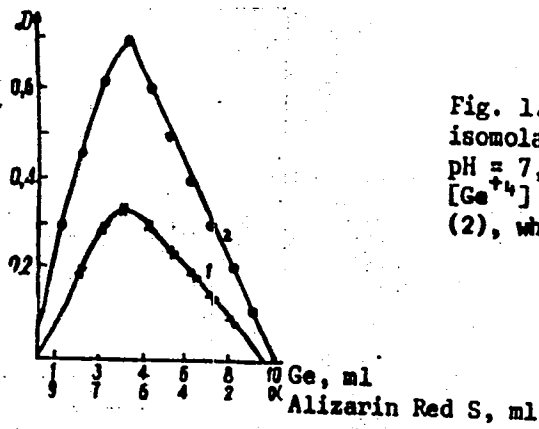


Fig. 1. Optical density D as a function of isomolar series of Ge and Alizarin Red S; pH = 7, $\lambda = 4700 \text{ \AA}$, $l = 1 \text{ cm}$, $V = 25 \text{ ml}$, $[\text{Ge}^{+4}] = [\text{R}] + 5 \cdot 10^{-4} \text{ moles (1) and } 1 \cdot 10^{-3} \text{ (2), where } [\text{R}] = [\text{Alizarin Red S}]$.

The method based on Ge-Alizarin Red S complex has an absolute error of ± 0.57 micrograms and average relative error of $\pm 5.7\%$. Orig. art. has: 4 figures, 2 tables.

SUB CODE: 07,20/ SUBM DATE: 20Feb65/ ORIG REF: 010/ OTH REF: 004

HW
Card 2/2

AKHMEDLI, M.K.; GASANOV, D.G.; ALIYEVA, R.A.

Spectrophotometric study and development of the method of
determining a complex germanium compound with stilbazo.
Azerb. khim. zhur. no.3:120-126 '65. (MIRA 19:1)

1. Azerbaydzhanskiy gosudarstvennyy universitet im. S.M. Kirova.

AKHMEDLI, M.K.; GASANOV, D.G.; ALIYEVA, R.A.

Study and photometric determination of a complex compound of germanium with alizarin red S. Azerb.khim.zhur. no.4:92-95 '65. (MIRA 18:12)

1. Azerbaydzhanskiy gosudarstvennyy universitet imeni Kirova. Submitted February 20, 1965.

ABDULLAYEV, I.K.; GASANOV, D.O.; IMAMGULIYEV, S.D.

Studying the progeny (F_1) of intraspecific and interspecific hybrids of cultivated silkworm races. Dokl. AN Azerb. SSR 17 no.10:947-952 '61. (MIRA 14:12)

1. Institut genetiki i selektsii AN AzSSR.
(Azerbaijan--Silkworm breeding)

ACCESSION NR: AP4011756

S/0181/64/006/001/0193/0199

AUTHORS: Gasanov, E. M.; Prokhorov, A. M.; Fedorov, V. B.

TITLE: Paramagnetic relaxation in systems with strong exchange interaction at low temperatures

SOURCE: Fizika tverdogo tela, v. 6, no. 1, 1964, 193-199

TOPIC TAGS: paramagnetic relaxation, exchange interaction, low temperature, Alpha Alpha diphenyl Beta picrylhydrazine, magnetic ordering, absorption line, integral intensity, Zeeman subsystem, exchange subsystem

ABSTRACT: In experiments on electron paramagnetic resonance in the free organic radical α -diphenyl- β -picrylhydrazine at 42 Mc the authors observed, along with an increase in absorption line width, an increase in relaxation time between Zeeman and exchange subsystems when the temperature was reduced from 77 to 1.5K. According to theory and some experiments, at extremely cold temperatures the relaxation time should become shorter when the width of the line is increased. The discrepancy between experiment and theory is apparently due to the difference between properties of the spin systems in the organic crystal studied and those of a

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ACCESSION NR: AP4011756

purely paramagnetic system. This difference appears in local magnetic ordering of spins at low temperatures, which is associated with increases in the value $I/kT \rightarrow 1$ but which is not substantial in experiments at frequencies on the order of 10,000 Mc with a large external magnetic field. This local ordering is indicated by a decrease in the integral intensity of the absorption line at temperatures of about 2.0K. Near magnetic ordering indicates the introduction of a correlation between the exchange interaction of various spin pairs, and, consequently, diminishes (for constant intensity) characterizing an exchange constriction of the absorption line. An increase in relaxation time means an increase in the characteristic frequency of the exchange subsystem in which the relaxation process occurs; given magnetic ordering, which changes the energy spectrum of the exchange system, this increase in frequency may be considered probable. Orig. art. has: 2 figures and 15 formulas.

ASSOCIATION: Fizicheskiy institut im. P. N. Lebedeva AN SSSR, Moscow (Physics Institute AN SSSR)

SUBMITTED: 22Jul63

DATE ACQ: 14Feb64

ENCL: 00

SUB CODE: PH

NO REF SOW: 003

OTHER: 011

Card 2/2

ABAS'V, M.T.; GASANOV, F.G.; DZHALILOV, K.N.

Some problems in the planning and analysis of the exploitation of gas condensate fields. Dokl.AN Azerb.SSR 15 no.1:29-32 '59.

(MIRA 12:3)

1. Neftyanaya ekspeditsiya AN AzerSSR. Predstavleno akademikom AN AzerSSR M.V. Abranovichem.

(Condensate oil wells)

GASANOV, F.G.; TAIROV, A.A.

Programming and analyzing the development of two-phase condensate fields. Azerb. neft. khoz. 38 no.3:18-20 Mr '59.

(MIRA 12:6)

(Condensate oil wells)

GASANOV, F.G.; TAIROV, A.A.

Programming and analyzing the development of two-phase gas-condensate fields. Azerb. neft. khoz. 38 no.7:25-28 J1 '59.

(MIRA 13:2)

(Condensate oil wells)

ABASOV, M.T.; BABAYEV, M.B.; GASANOV, F.G.; DZHALILOV, K.N.; DURMISH'YAN, A.G.

→ Brief analysis of the status of the development of the horizons
7 in the Karadag field. Trudy AzNII DN no.9:212-222 '60.

(MIRA 14:5)

(Karadag region--Oil fields--Production methods)

BABAYEV, M.B.; GASANOV, F.G.; LAZAREV, V.T.; TAIROV, A.A.

Some results of field studies of condensate gas wells drilled
in No.7 horizons in the Karadag area. Azerb. neft. khos. 39
no.6:30-34 Je '60. (MIRA 13:10)
(Karadag region--Condensate oil wells)

GASANOV, F.G.; YUNUSOV, Ya.K.

Somr problems affecting the separate working of layered inhomogeneous strata. Izv. AN Azerb. SSR. Ser.fiz.-mat. i tekh.nauk no.5:117-128 '61. (MIRA 15:2)

(Petroleum engineering)

GASANOV, F.G.; YUNUSOV, Ya.K.

Separate flow of oil and water in a nonhomogeneous layer. Dokl.
AN Azerb. SSR 17 no. 3:187-190 '61. (MIRA 14:5)

1. Institut razrabotki neftyanykh i gazovykh mestorozhdeniy.
Predstavleno akademikom AN Azerbaydzhanskoy SSR Z.I. Khalilovym.
(Oil reservoir engineering)

GASANOV, F.G.

Separate working of layered heterogenous strata by incomplete wells.
Dokl. AN Azerb. SSR 17 no.12:1133-1137 '61. (MIRA 15:2)

1. Institut razrabotki neftyanykh i gazovykh mestorozhdeniy AN
AzSSR. Predstavleno akademikom AN AzSSR Z.I.Khalilovym.
(Oil reservoir engineering)

GASANOV, F.G.; TAIROV, A.A.

Means for increasing condensate recovery from gas condensate layers.
Azerb. nefiti. khoz. 40 no. 3:20-22 Mr '61. (MIRA 14:5)
(Karadag region--Condensate oil wells)

GASANOV, F.G.; TAIROV, A.A.

Some characteristics of the exploitation of gas-condensate
wells in the Karadag field. Azerb.neft.khoz. 40 no.12:32-35
D '61. (MIRA 15:8)
(Karadag region--Condensate oil wells)

GASANOV, F.G.

Some problems concerning the regulation of recovery in
separate use of nonuniform layers. Trudy Vych.
tsentra AN Azerb. SSR 1:71-82 '62. (MIRA 15:11)
(Oil reservoir engineering)

GASANOV, F.G.; YUNUSOV, Ya.K.

Increase in the recovery limit of oil from water-free
imperfect wells in nonuniform layer. Trudy Vych.
tsentra. AN Azerb. SSR 1:96-101 '62. (MIRA 15:11)
(Oil reservoir engineering)

GASANOV, F.G.; DZHALILOV, K.N.

Dynamics of the flooding of a rectilinear group of wells of
unequal yield in the presence of an impermeable boundary. Izv.
AN Azerb. SSR. Ser. fiz.-mat. i tekhn. nauk no.6:93-99 '62.
(MIRA 16:6)

(Oil field flooding)

MUSTAFAZADE, M.A.; GASANOV, F.G.; OSMANOV, Yu.K.

Using mathematical programming to determine the maximum possible withdrawal of oil. Dokl. AN Azerb. SSR 19 no.6: 25-29 '63. (MIRA 17:7)

1. Vychislitel'nyy tsentr AN AzSSR. Predstavleno akademikom AN AzSSR S.M. Kuliyevim.

GASANOV, F.G.; KAGRAMANOV, A.K.

Unsteady liquid flow to wells and determination of the parameters
of a stratum under conditions of elasticity. Izv. AN Azerb.SSR.
Ser.fiz.-tekh. i mat. nauk no.4:57-64 '64.

(MIRA 18:3)

GASANOV, F.G.; GUSEYNOVA, R.A.; KYASIMOVA, R.M.

Investigating the effect of separate factors on the displacement of the water-oil contact and the flooding of oil reservoirs using the EM-8 model. Izv. AN Azerb. SSR. Ser.fiz.-tekh. i mat. nauk no.1:89-94 '65. (MIRA 18:6)

GASANOV, F.G.

Use of an EM-8 model in a theoretical and experimental study of the separate working of layered inhomogeneous strata. Izv. AN Azerb. SSR. Ser. fiz.-tekh. i mat. nauk no.1:55-62 '64. (MIRA 17:9)

COUNTRY : USSR
CATEGORY : Human and Animal Physiology, The Nervous System
ABS. JOUR. : RZhEicl., No. 5 1959, No. 22400
AUTHOR : Gasanov, G.G.
INST. : ~~Academy of Sciences~~ of the Azerbzhaiian SSR
TITLE : Alterations in the Unconditioned Interoceptive
Metabolic Reflexes Originating in the Stomach
In the Presence of Different Functional States
ORIG. PUB. : of the Cerebral Cortex.
Dokl. AN AzerbSSR, 1957, 13, No. 10, 1119--1124
ABSTRACT : When 6 dogs with stomach fistulas were
give analgesin, chloral hydrate and barbamil
(especially the latter two drugs), there was
a depression of interoceptive metabolic reflex
effects from the stomach on the carbohydrate
component of the blood. There was also a slight
diminution in these reflexes when the animals
were subjected to electrosleep. The latent
period and the magnitude of the reflexes varied
in the different animals.--A.M.Ryabinovskaya
Card: 1/1

GASANOV, G., kand.tekhn.nauk

Time delay of impulses. Radio no.9:53-54 S '62. (MIRA 15:9)
(Delay lines) (Pulse techniques (Electronics))

PUSHKIN, Nikita Ivanovich; BUZNIK, V.M., doktor tekhn. nauk,
prof., retsenzent; GASANOV, G.A., dots., retsenzent;
KUZNETSOV, N.M., nauchn. red.; SMIRNOV, Yu.I., red.

[Marine steam boilers; theory and calculations] Sudovye
parovye kotly; teoriia i raschety. Leningrad, Sudo-
stroenie, 1965. 510 p. (MIRA 18:7)

CHOK, V. C. G., (date deleted) -- ^{Unconditional} "relexes from the skeletal in various functional states of the central nervous system." *Baku, Bulletin of Acad Sci USSR, 1950, 25:111 with diagrams (111) of Higher Nervous USSR. Azerskaya Akad. Nauk. Ser. Biol. (KL, 42-58, 111)*

GASANOV, G.G.

Changes in unconditioned interoceptive exchange reflexes from the stomach during different functional states of the cerebral cortex induced by various soporific. Trudy Sekts.fiziol.AN Azerb. SSR 2:28-46 '58. (MIRA 12:7)
(NARCOTICS) (STOMACH--INNERVATION) (REFLEXES)

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

Interceptive exchange reflexes from chemoreceptors of the spleen during different functional states of the vegetative nervous system induced by pharmacological substances. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no. 4:131-136 '60.

(MIRA 14:2)

(SPLEEN—INNERVATION) (NERVOUS SYSTEM, AUTONOMIC)
(PHARMACOLOGY)

GASAROV, G. G. and AGAYEV, A. A. (Chief Veterinary Surgeon Astrakhan-Bazarsk raion and Candidate of Veterinary Sciences, Azerbaijan NIVI)

Anaplasmosis of large cattle in the Astrakhan-Bazarsk raion of the Azerbaijan SSR

Veterinariya, Vol. 38, No. 8, August 1961, pp. 25

GASANOV, G.G.

Effect of different pharmacological substances (carbocholine, adrenaline) changing the functional state of the vegetative nervous system on the magnitude and character of interoceptive metabolic unconditioned reflexes in decorticated animals. Vop. fiziol. 5:101-108 '62. (MIRA 16:5)
(DRUGS—PHYSIOLOGICAL EFFECT) (NERVOUS SYSTEM, AUTONOMIC)
(REFLEXES)

GASANOV, G.G.; AGAYEV, A.A., kand.veterin. nauk

Anaplasmosis of cattle in Astrakhan-Bazar District, Azerbaijan
S.S.R. Veterinariia 38 no.8:25-26 Ag'61 (MIRA 18:1)

1. Glavnyy veterinarnyy vrach Astrakhan-Bazarskogo rayona
(for Gasanov). 2. Azerbaydzhanskiy nauchno-issledovatel'skiy
veterinarnyy institut (for Agayev).

GASANOV, G.G.; KADYMOVA, I.I.

Role of the nonspecific formations of the brainstem and the thalamus
in interoceptive metabolic reflexes from the stomach. Trudy Sekt.
fiziol.AN Azerb.SSR 7:38-45 '63. (MIRA 17:10)

FARZALIYEV, F.A., dotsent; SAFARALIYEVA, V.D., veterinarnyy vrach,
CASANOV, G.G., veterinarnyy vrach

Rickettsial conjunctivitis in cattle. Veterinariya 41
no.6:25-26 Je '64. (MIRA 18:6)

1. Azerbaydzhanskiy nauchno-issledovatel'skiy veterinarnyy
institut (for Farzaliyev, Safaraliyeva). 2. Astrakhan.
Bazarskoye proizvodstvennoye upravleniye (for Gasanov).