

ALIYEV, D.G.

Materials on algae of the Istisu mineral springs near Kel'badzhar,
Azerbaijan S.S.R. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no. 5:
23-29 '61. (MIRA 14:8)

(ISTISU--MINERAL WATERS) (ALGAE)

ALIYEV, D.G. aspirant

Method for determining the resistance of cotton to wilt. Zashch.
rast. ot vred. i bol. 8 no.4:46 Ap '63. (MIRA 16:10)

1. Azerbaydzhanskiy institut zashchity rasteniy.
(Cotton wilt)

ALIYEV, D.M.

Brief exposition of the report of the head of the Kurgan-Tyube
City Health Department, Zdrav.Tadzh. 6 no.3:46-47 My-Je
'59. (MIRA 12:11)

1. Zaveduyushchiy Kurgan-Tyubinskim gorzdravotdelom.
(KURGAN-TYUBE--INTESTINES--DISEASES)

ABUTALYBOV, M.G.; ALIYEV, D.M.

Role of trace elements in carbohydrate translocation in the plant
organism. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no.5:31-40
'61. (MIRA 14:8)

(TRACE ELEMENTS)
(SUGARS)

(PLANTS, MOTION OF FLUIDS ON)

ALIYEV, D.

"Ichthyofauna in the Fresh Water Lakes of Western Uzbekistan."

Sub 13 Apr 51, Moscow Order of Lenin State University N. V. Lomonosov.

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55.

ALIYEV, D.S.; STAROSTIN, I.V., redaktor; ZUBOVA, N.I., tekhnicheskii redaktor.

[ichthyofauna of fresh-water lakes of the western Uzboy] Ikhtio-fauna presnovodnykh ozer zapadnogo Uzboia. Ashkhabad, Ind-vo Akademii nauk Turkmenskoi SSR, 1953. 78p. (Akademiia nauk SSSR. Turkmenskii filial, Ashkhabad. Murgahskaia gidrobiologicheskaiia stantsiia. Trudy, no.2)

(Uzboy--Fishes)

(ILRA 9:8)

ALIYEV, D.S.

Crustacean parasites of fishes of the Murgab and Teshen Basins.
Trudy Murg.gidrobiol.sta. no.3:183-188 '55. (MLR 9:8)
(Murgab Valley--Crustacea) (Teshen Valley--Crustacea)
(Parasites--Fishes)

ALIYEV, D.S.

Lernaeasis of fishes in the Tedshen River. Izv. AN Turk. SSR no.1:
69-70 '56. (MLRA 9:8)

1. Institut biologii AN Turkmeneskey SSR.
(Tedshen River--Fishes--Diseases and pests)

ALIYEV, D.S.

Materials on fishery management of the Murgab River. Trudy Murg.
gidrobiol.sta. no.4:216-227 '58. (MIRA 15:8)
(Murgab River—Fisheries)

ALIYEV, D.S.

Experiments in acclimatizing *Ctenopharyngodon idella* Val. and
Hypophthalmichthys molitrix Val. in the waters of Turkmenistan.
Izv. AN Turk. SSR. Ser. biol. nauk no.5:89-90 '61. (MIRA 14:12)

1. Institut zoologii i parazitologii AN Turkmenskoy SSR.
(KARA-KUM CANAL REGION--CARP)
(ANIMAL INTRODUCTION)

ALIYEV, D.S.

Obtaining offspring from Far Eastern plant-eating fishes in
Turkmenistan. Vop ikht. 1 no.4:650-658 '61. (MIRA 14:12)

1. Institut zoologii i parazitologii AN Turkmenskoy SSh, Ashkha-
bad.

(Turkmenistan--Carp)
(Animal introduction)

TASHLIYEV, A.O., kand. biol. nauk, otv. red.; ALIYEV, D.S., kand. biol. nauk, red.; VERIGIN, B.V., kand. biol. nauk, red.; KUZ'MENKO, A.I., red.izd-va; NASIBOVA, S.G., red.izd-va; IVONT'YEVA, G.A., tekhn. red.

[Papers of the All-Union Conference on the Commercial Introduction of the Plantivorous Fishes *Ctenopharyngodon Idella* and *Hypophthalmichthys Molitrix* in the Bodies of Water of the U.S.S.R.] Materialy Vsesoiunogo soveshchaniia po rybokhoziaistvennomu osvoeniiu rastitel'noiadnykh ryb - belogo amura (*Ctenopharyngodon idella*) i tolstolobika (*Hypophthalmichthys molitrix*) - v vodoemakh SSSR. Ashkhabad, Izd-vo AN Turkm.SSR, 1963. 224 p. (MIRA 16:10)

1. Vsesoyuznoye soveshchaniye po rybokhoziaistvennomu osvoeniiu rastitel'noiadnykh ryb v vodoemakh SSSR. Ashkhabad, 1961.

(*Ctenopharyngodon*) (*Hypophthalmichthys*)
(Fish introduction)

ALIYEV, D.S., kand. biolog. nauk

Fishes as agents improving bodies of water. Priroda 54 no.8:
56-60 Ag '65. (MIRA 18:8)

1. Institut zoologii i parazitologii AN Turkmeneskoy SSR, Ashkhabad.

Translation from: Referativnyy zhurnal, Geografiya, 1957, Nr 6,
pp 100-101 (USSR) 14-57-6-12428

AUTHOR: Aliyev, E.

TITLE: New Data on Loess-Type Loams in the Azerbaiddzhan SSR
(Novyye dannyye o lessovidnykh suglinkakh v Azerbaydzhanskoy SSR -- in Azerbaiddzhan)

PERIODICAL: Dokl. AN AzerbSSR, 1956, Vol 12, Nr 10, pp 753-757

ABSTRACT: The author, while observing soil forming rocks at the southeastern terminus of the Little Caucasus (Karyagino, Dzhebrail', Martuni, and other districts of the Azerbaiddzhanskaya SSR) in 1952, discovered substantial areas of loess-type loams below the top soil. Their morphological features, conditions of their formation and their chemical properties prove that these loams are almost identical with typical Central Asian loess thoroughly described in literature. In this region these loess loams are found in deluvial zones, on the foothills and in the watersheds with a more conti-

Card 1/2

New Data on Loess-Type Loams (Cont.)

14-57-6-12428

mental climate.
Card 2/2

G. K.

ABUTALYBOV, M. G.; YANGIROVA, Sh. G.; ALIYEV, E.

"Calcium transfer in plants."

report submitted for 10th Intl Botanical Cong, Elinburgh, 3-12 Aug 64.

AS AzerSSR, Baku.

ABUTALYBOV, M.G.; ALIYEV, E.

Reutilization and distribution of calcium in the plant organism.
Uch. zap. AGU. Biol. ser. no.1:45-50 '60. (MIRA 14:5)
(CALCIUM) (PLANTS, MOTION OF FLUIDS IN)

ALIYEV, Eduard Arkad'yevich; DYUKAREV, Yuriy Aksept'yevich;
LATENKO, Boris Vasil'yevich; ZYVAL'KO, I.G., doktor
biol. nauk, red.; ONISHCHENKO, L.I., red.

[Soilless growing of vegetables in greenhouses] Vyrashchi-
vanie ovoshchei v teplitsakh bez pochvy. Kiev, Gosset'-
khozizdat USSR, 1964. 141 p. (MIRA 17:6)

ALIYEV, E.B.

Some data on the determination of the absolute age of rocks using the method of the comparative dispersion of birefractation. Uzb. geol. zhur. 9 no.2:57-61 '65.

(MIRA 18:6)

1. Institut geologii i geofiziki im. Kh.M. Abdullayeva AN UzSSR.

ALIYEV, E.B.

Petrography and absolute age of Lower Devonian volcanic rocks
on the right bank of the Akhangaran River. Uzb. geol. zhur.
9 no. 6:37-46 '65 (MIRA 19:1)

1. Institut geologii i geofiziki imeni Abdullayeva AN UzSSR.
Submitted February 4, 1965.

ALIYEV, E.D.

Calculation of flow in the tailrace of a single-channel partitioning
hydraulic structure with bottom controlling crests. Izv. AN Azerb.
SSR. Ser. fiz.-mat. i tekhn. nauk no.5:123-130 '63. (MIRA 17:3)

ALIYEV, E.G.

Use of Huddleson reaction with saliva in diagnosing brucellosis.
Sov. med. 23 no.5:107-108 My '59. (MIRA 12:7)

1. Iz Agdashskoy ob*edinnenoy rayonnoy bol'nitsy (glavnyy vrach N. M.
Zeynalov) Azerbaydzhanskoy SSR.
(BRUCELLOSIS, diag.
Huddleson reaction (Rus))

ALIYEV, El'dar Shirali ogly; VINOGRADOV, Konstantin Vladimirovich; PIRVERDYAN, A.M., prof., doktor tekhn. nauk, red.; RASHEVSKAYA, T.A., red. izd-va

[Determining the saturation pressure of formation oil directly on a well bottom] Opredelenie davleniya насыщения пластовой нефти непосредственно на забое скважины. Baku, Azerbaidzhan'skoe gos. izd-vo neft. i nauchno-tekhn. lit-ry, 1960. 95 p. (MIRA 14:8)

(Oil reservoir engineering)

ALIYEV, E.Sh.; ZEYNALOV, E.A.

Depth gauge for determining the saturation pressure of oil on
well bottoms. Azerb. neft. khoz. 39 no.3(405):30-32 Mr '60.
(Pressure gauges) (MIRA 14:9)

ALI-ZADE, A.A.; MOVSUM-ZADE, S.A.; VINOGRADOV, K.V.; ALIYEV, E.Sh.

Certain results of thermodynamic investigations of the formation
of oil and gas pools. Neft. khoz. 42 no. 5:30-35 My '64.
(MIRA 17:5)

ALIYEV, Fuad,

Bridges, caravansaries, and wells in the service of commerce
during the second half of the 18th century. Dokl. AN Azerb.SSR
13 no.3:349-354 '57. (MLEA 10:7)

1. Institut istorii Akademii nauk Azerbaydzhanskoy SSR. Predstavleno
akademikom Akademii nauk Azerbaydzhanskoy SSR A.A. Alizade.
(Azerbaijan-Trade routes)

ALIYEV, Faud.

Trade organisations in Azerbaijan during the second half of the
18th century. Isv. AN Azerb. SSR no.8:129-142 Ag '57. (MLRA 10:9)
(Azerbaijan--Guilds)

ALIYEV, F.; MAKHAN'KOV, O.

"Oligocene-Miocene sediments in the southeastern Caucasus and their
oil and gas potentials" by S.G. Salev. Reviewed by F.S. Aliev,
O.M. Makhan'kov. Geol. nefti i gaza 6 no.7:53-54 J1 '62. (MIRA 15:6)
(Caucasus—Petroleum geology)
(Caucasus—Gas, Natural—Geology)
(Salev, S.G.)

L 12055-65 ENT(1)/EMP(a)/EP/FC3(k)/ENA(1) Pd-1/Pi-4 AEDC(a)/SD(e)-2/
 AFETH/AFTC(a) WW
 ACCESSION NR: AP4047824 S/0170/64/000/010/0106/0111

AUTHOR: Aliyev, F.

TITLE: Effect of initial mass-flow rate on growth of submerged nonisothermal
 circular jet in a compressible liquid B

SOURCE: Inzhenerno-fizicheskiy zhurnal, no. 10, 1964, 106-111

TOPIC TAGS: jet flow, compressible fluid, Prandtl number, mass flow, viscous flow

ABSTRACT: The problem of a circular jet spreading in a compressible liquid was studied analytically for a given mass-flow rate, momentum, and energy. The governing momentum and energy equations are written in axially symmetric coordinates with the following integral relations for momentum and energy conservation

$$2\pi \int_0^r r^2 dr = I_0 = \text{const.}$$

$$2\pi T_0 \int_0^r r dr = H_0 = \text{const.}$$

The solution for the velocity components u and v is obtained in inverse power series of the axial coordinate. The solution of the energy equation is also given in

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ACCESSION NR: APL4047824

powers of x^{-1}

$$\theta = \frac{H_0}{\sqrt{T_\infty}} \frac{1}{x} \theta_0(\eta) + \frac{H_0^2}{\sqrt{T_\infty}} \frac{1}{x^2} \theta_1(\eta) + \dots$$

The zeroth order solution is that given by Chia Shun Yih (Journ. of Appl. Mech. 17, No. 4, 1950). The first order solution $\theta_1(\eta)$ is obtained by expanding θ_1 in powers of ξ ,

$$\xi = \frac{1}{4} \eta^2 \left(1 + \frac{1}{4} \eta^2\right)^{-1}$$

$$\theta_1 = \sum_{k=0}^{\infty} A_k \xi^k$$

with coefficients determined from above momentum and energy conservation relations. For the particular case of Prandtl number unity the solution simplifies into

$$\theta = \frac{3}{8} \frac{H_0}{\sqrt{T_\infty}} \frac{1}{\left(1 + \frac{1}{4} \eta^2\right)^2} \frac{1}{x} - \frac{3}{64 x^2} \frac{H_0}{\sqrt{T_\infty}} \frac{M_0}{p} \left(1 - \frac{3}{4} \eta^2\right) \left(1 + \frac{1}{4} \eta^2\right)^{-2} \frac{1}{x^2} + \dots$$

The results, plotted graphically, show that as the distance from the jet exit increases, the effect of initial mass-flow rate decreases. Orig. art. has: 24 equations and 3 figures.

Card 2/3

L. 12055-65

ACCESSION NR: AP4047821

ASSOCIATION: Politeknicheskii institut im. M. I. Kalinina (Leningrad Polytechnic Institute)

SUBMITTED: 11Jan64

SUB CODE: ME

NO REF SOV: 003

ENCL: 00

OTHER: 003

Card 3/3

L 63064-65

EW(m)/EW(1)/PES(k)/EWA(d)/EWA(1)
ACCESSION NR: AT8015716

AUTHOR: Aliyev, F.

TITLE: The application of generalized Mises variables to a problem of the propagation of plane heat flows in an incompressible fluid

SOURCE: Leningrad, Politehnicheskii Institut. Trudy, no. 248, 1985. Tekhnicheskaya gidrogazodinamika (Technical gas hydrodynamics), 110-112

TOPIC TAGS: plane heat flow, turbulent flow, incompressible fluid, heat propagation, Mises variable, streamline flow, turbulent flow, incompressible fluid

ABSTRACT: The author writes a basic differential equation system, expresses the boundary conditions and conditions of invariance for pulse and heat content, applies generalized Mises variables to obtain a solution for the case of minor temperature differences between the heat flow and fluid surrounding it, and performs the appropriate calculations. Expressions are obtained for streamline and turbulent flows, the former in full agreement with solutions reported previously by Chia Shun-Yih (Journ. of Appl. Mech. 17(4):382, 1950). Orig. art. has: 19 formulas.

Card 1/2

L 63064-65			
ACCESSION NR: AT5015715			
ASSOCIATION: Leningradskiy pol Polytechnic Institut)	tehnicheskoy Institut imeni M. I. Kalinina (Leningrad		
SUBMITTED: 00	ENCL: 00		
NO REF SOV: 002	OTHER: 001	SUB CODE: ME, TD	
Cord 2/2			

ALIYEV, F. A.

"The Effect of Unusually Low Temperature on the Morphological Composition and Certain Physicochemical Properties of Sheep's Blood."
Cand Vet Sci, Chair of Therapeutic and Clinical Diagnostics
Azerbaydzhan Agricultural Inst, Min Higher Education USSR, Kirovabad,
1955. (KL, No 13, March 55)

SO: Sum. No. 670, 29 Sep 55—Survey of Scientific and Technical
Dissertations Defended at USSR Higher Educational Institutions (15)

USSR/Diseases of Farm Animals. Diseases Caused by Viruses
and Rickettsiae.

R

Abs Jour: Ref Zhur-Biol., No 5, 1958, 21577.

Author : Safarov Yu., Ismailov Yu., Aliyev F.A.

Inst :

Title : Experimental Control of Foot-and-Mouth Disease

Orig Pub: Sots. s.-kh. Azerbaydzhan, 1957, No 5, 38-39.

Abstract: No abstract.

Card : 1/1

USSR/Diseases of Farm Animals. Diseases Caused by Arachnids-
Entomology.

Abs Jour: Ref Zhur-Biol., No 12, 1958, 54937.

Author : Mamedov, T. A., Aliyev, F. A.

Inst :

Title : Buffalo Hypodermatitis in Azerbaydzhan

Orig Pub: Veterinariya, 1957, No 6, 57-58.

Abstract: Warble fly lesions in buffaloes of various age groups were observed in the lower Mugan' region and in the western rayons of Azerbaydzhan. The larvae are localized mainly in the area of the back. Good results in treating the buffaloes were obtained by using the same preparations which were used in treating large horned cattle afflicted by warble fly.

Card : 1/1

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USSR / Diseases of Farm Animals. Diseases Caused by Viruses
and Rickettsiae.

R

Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 7450

solution which was introduced into the joint every
2 days. -- I. S. Kirichonko

Card 2/2

19

Country : USSR T
 Category: : Human and Animal Physiology, Thermoregulation
 Abs. Jour. : Ref Zhur - Biol., No. 2, 1959, No. 7860
 Author : Aliyev, F.A.
 Institut. : --
 Title : The Effect of Low Temperatures to Which They
 Are Unaccustomed on the Morphological Composi-
 tion and Certain Physicochemical Properties of
 the Blood of Sheep When the Function of the
 Cerebral Cortex is Inhibited.
 Orig Pub. : Me'ruzeler. Azerb. SSR Elmier. Akad., Dokl. AN
 AzerbSSR, 1958, 14, No. 2, 149--154
 Abstract : A temperature of 4--00 resulted in changes in
 the composition of the blood. Among animals in
 which the cerebral cortex was inhibited, a
 rise was noted in erythrocyte and hemoglobin
 levels, both when the cold factor was present
 and after its removal. Leukocytosis was also
 observed. In the majority of the sheep in-
 creased thrombocyte levels were noted. The
 sedimentation rate was usually increased, while
 the reserve alkalinity of the blood was dimin-

Card: 1/2

Country : USSR
 Category : Human And Animal Physiology, Thermoregulation

Abs. Jour. : Ref Zhur - Biol., No. 2, 1959, No. 7860

Author :
 Institut. :
 Title :

Orig Pub. :

Abstract : ished. The maximal and minimal resistance of the erythrocytes increased. Associated with the chilling there was a shortening of the time for initiation of clotting and a prolongation of its conclusion. The catalase index was reduced. At the conclusion of the cold treatment a rapid restoration of the blood composition was noted. The author explains his findings as the mobilization of all protective adaptations for combating the cold. From the author's summary.

Card: 1/2

ALIYEV, F.A., kand. vet.nauk

Influence of unusual low temperature on some physical and chemical characteristics of sheep blood. Dokl. Akad. sel'khoz. 23 no.4:37-40 '58.
(MIRA 11:5)

1. Azerbaydzhanskly sel'skokhozyaystvennyy institut. Predstavleno Akademikom N.G. Belen'kim.

(Sheep--Physiology)

(Blood) (Cold--Physiological effect)

ALIYEV F.A.

ISMAILOV, Yu.D., vetvrach; SAFAROV, Yu.B., kand.vet.nauk; ALIYEV, F.A.,
vet.tekhnik.

Bicmycin in contagious agalactia of lambs. Veterinariia 35 no.3:57-58
Mr '58. (MIRA 11:3)

1. Sovkhoz "28 aprelya" Azerbaydzhanskoy SSR.
(Sheep--Diseases and pests) (Aureomycin)

ALIMEV, F.A. (Sumgait, Azerbaydzhanskaya SSR)

Sumgait - city of youth and health. Zdorov'e 7 no.9:6-7 S '61.
(MIRA 14:9)

1. Sekretar' Sumgait'skogo gorodskogo komiteta Kommunisticheskoy
partii Azerbaydzhana.

(SUMGAIT—PUBLIC HEALTH)

ALIYEV, F. F.

"Theoretical and Practical Bases of the Development of the
Marsh Beaver in Azerbaydzhan." Cand Biol Sci, Inst of Zoology,
Acad Sci USSR (Apr-Jun 54). (Vest Ak Nauk, Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR
Higher Educational Institutions (11)

SO: Sum. No.521, 2 Jun 55

ALIYEV, F.F.

Dentition modifications by age in the coypu (*Myocastor Molina*).
Dokl.AN Azerb.SSR 10 no.4:291-295 '54. (MIRA 8:4)

1. Institut zoologii Akademii nauk Azerbaydzhanskoy SSR. Predstavleno deystvitelnym chlenom Akademii nauk Azerbaydzhanskoy SSR A.I. Karayevym.
(Teeth)(Coypu)

ALIYEV, F.F.

Biotechnical measures in the voluntary and semivoluntary breeding
of coypu. Dokl.AN Azerb.SSR 11 no.3:183-186 '55. (MIRA 9:6)

1.Institut zoologii AN Azerbaydzhanskoy SSR. Predstavleno deystvitel'-
nym chlenom AN Azerbaydzhanskoy SSR A.I.Karayevym.
(Coypu)

ALIYEV, F.F.

The development of coypu (*Myocaster coypus* Molina). Dokl. AN Azerb. SSR 11 no.5:349-355 no.5:349-355 '55. (MIRA 9:16)

1. Institut zoologii AN Azerbaydzhanskoy SSR. Predstavleno deystvitel'num chlenom AN Azerbaydzhanskoy SSR A.I. Karayevym.
(Coypu)

ALIYEV, F.F.

Acclimation and raising of the raccoon (*Procyon lotor* L.) in Azerbaijan. Dokl. AN Azerb. SSR 11 no.8:571-578 '55. (MLFA 9:1)

1. Predstavleno deystv. chlenon AN Azerbaydzhanskoy SSR A.I. Karayevym.

(Azerbaijan--Raccoons)

ALIYEV, F.F.

Results of acclimatizing the raccoon (Procyon lotor L.) in the Kuba-Khachmas Valley. Dekl. AN Azerb. SSR 12 no. 1:21-30 '56. (MIRA 9:7)

1. Institut zoologii AN Azerbaydzhanskey SSR. Predstavleno akademikem AN Azerbaydzhanskey SSR A.I. Karayevym.
(Kuba-Khachmas Valley--Raccoons)

ALIYEV, F.F.

Some data on the propagation and growth of raceens (Precyua later L.)
Dokl.AN Azerb.SSR 12 no.8:583-592 '56. (MLRA 9:10)

1.Predstavlene akademikem Akademii nauk Azerbaydzhanskey SSR A.I.Ka-
rayevym.

(Raceens)

ALIYEV, F.Y.

Theoretical and practical principles in raising coypu (Myocaster
coypus Molina) in Azerbaijan. Trudy Inst. soel. AN Azerb. SSR 19:
5-96 '56.

(Azerbaijan--Coypu)

(MIRA 10:4)

USSR / Farm Animals. Wild Animals.

Q-4

Abs Jour : Ref Zhur - Biol., No 10, 1958, No 45263

Author : Aliyev, F. F.; Sadykhov, I. A.

Inst : Not given

Title : The Causes of the Loss of the Growing Nutrias

Orig Pub : Me'ruzeler AzerbSSR elmler Akad., dokl. AN AzerbSSR, 1957,
13, No. 4, 437-441

Abstract : No abstract.

card 1/1

ALIYEV, F.F.

Experiments in the acclimatization of saigas and rabbits on Glinyanyy
Island. Izv.AN Azerb. SSR. biol.i med.nauk no.1:107-110 '60.

(MIRA 14:5)

(GLINYANYY ISLAND--SAIGA)

(GLINYANYY ISLAND--RABBITS)

ALIYEV, F.F., kand. biolog. nauk

Mass migration of porcupines. Priroda 54 no.3:94 Mr '65.

1. Institut zoologii AN Azerbaydzhanskoy SSR, Baku. (MIRA 18:4)

ALIEV, P.F.

How ~~some~~ animals in Azerbaijan. Dokl. An Azerb. SSR 16
no. 12:1243-1247 '60. (MIRA 14:2)

1. Institut zoologii AN AzerSSR.
(Azerbaijan---Fur bearing animals)

ALIYEV, F.F.

The cage-and-yard system of rearing beavers (Castor fiber L.)
on the Karayazy Fur Farm. Izv. AN Azerb. SSR, Ser. biol. i
med. nauk no.8:67-70'61. (MIRA 16:8)
(KARAYAZY STEPPE---BEAVERS)

ALIYEV, F.F.

Occurrence of the raccoon (*Procyon lotor* L.) in Azerbaijan.
Izv. AN Azerb. SSR. Ser. biol. i med. nauk no. 9:65-69 '61.

(AZERBAIJAN--RACCOONS)

(MIRA 14:12)

ALIYEV, F.F.

Results of keeping the Japanese deer (*Cervus nippon hortuiorum*
Swinhow) in parks in Azerbaijan. Trudy Inst. zool. AN Azerb.
SSR 22:125-132 '62.

(Azerbaijan--Deer)

(MIRA 15:11)

ALIYEV, F.F.

Albinism in nutria. Izv.AN Azerb.SSR.Ser.biol.i med.nauk
no.6:39-41 '62. (MIRA 15:12)
(AZERBAIJAN--COYPU) (ALBINS AND ALBINISM)

L 16107-66

EWI(m)/ETC(f)/EWG(m)/EWP(j)/T/EWP(t)/ETC(m)-6

LJP(c) DS/JD/WN/RM

ACC NR: AP6002433

SOURCE CODE: UR/0020/65/165/005/1130/1131

AUTHOR: Efendiyev, G. A.; Aliyev, F. I.

ORG: Institute of Physics, Academy of Sciences, AzerbSSR (Institut fiziki Akademii nauk AzerbSSR) 73

TITLE: Study of the kinetics of the reaction between In and Sb films by the kinematic electron-diffraction method B

SOURCE: AN SSSR. Doklady, v. 165, no. 5, 1965, 1130-1131

TOPIC TAGS: electron diffraction analysis, indium, antimony, antimonide, metal deposition, chemical kinetics, solid kinematics, metal film

ABSTRACT: Electron diffraction patterns of a double layer of In + Sb, 300 Å thick, obtained by successive condensation of the elements at room temperature, showed the presence of compound InSb about 100 Å thick in addition to free In and Sb. This revealed the partial formation of a compound upon deposition of one element on the other without annealing. Further growth of the InSb layer formed was studied by a kinematic electron-diffraction method, in which isothermal kinematic patterns were obtained at 200, 240, and 250C. The kinetics of the reaction between In and Sb were studied by analyzing the intensity of the InSb lines. The reaction between In and Sb layers was found to depend on the crystalline state of Card 1/2

UDC: 539.27:548.74 2

L 16107-66

ACC NR: AP6002433

the primary layer on which the secondary layer is deposited. The paper was presented by Academician V. N. Kondrat'yev May 4, 1965. Orig. art. has: 3 figures and 1 formula. 0

SUB CODE: 072013 / SUBM DATE: 28Apr65 / ORIG REF: 005 / OTH REF: 002

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L 38512-66 EWT(m)/EWP(t)/ETI IJP(c) RDM/JD

ACC NR: AP6018766

SOURCE CODE: UR/0070/66/011/003/0389/0392

AUTHOR: Aliyev, F. I.; Tatarinova, L. I.

ORG: Institute of Physics, AN AzerbSSR (Institut fiziki AN AzerbSSR);
Institute of Crystallography, AN SSSR (Institut kristallografii AN SSSR)

TITLE: Electronographic investigation of amorphous thallium selenide

SOURCE: Kristallografiya, v. 11, no. 3, 1966, 389-392

TOPIC TAGS: thallium compound, selenide, electronic measurement, CRYSTAL LATTICE

ABSTRACT: Electronograms are used to investigate the amorphous phase of thallium selenide. The films were produced by sublimation in vacuum on crystals of sodium chloride. From the curve of the radial atomic distribution there were found the Tl-Se distances $r_1 = 2.90 \text{ \AA}$, $n_1 \sim 2$ and $r_2 = 3.80 \text{ \AA}$, $n_2 \sim 7$. In the thallium selenide crystal lattice the approximate distance between the atoms of thallium and selenium is equal to 2.68 \AA . The thallium atom is surrounded by four selenium atoms in a deformed tetrahedron. In amorphous thallium selenide, tetrahedrons are not formed. The method used in the investigation involves integral analysis of the curve of the experimental intensity; this is an objective method and requires no a priori

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assumptions as to the mutual disposition of the atoms and makes it possible to determine the distance between the atoms in the substance. The curve of the radial distribution on which the method is based is determined by the equation

$$4\pi r^2 u_m(r) \sum K_m = 4\pi r^2 u_0 \sum K_m + \frac{2r^3}{\pi} \int_0^\infty s^2 i(s) \frac{\sin sr}{sr} ds \dots (1)$$

Here r is the distance between the atoms: K_m is the effective diffusivity of atom m ; $u_m(r)$ is the radial density of the atoms; u_0 is the mean atomic density; $s = 4\pi \sin \theta / \lambda$; $i(s)$ are quantities determined from the curve of the experimental intensity. Orig. art. has: 1 formula, 3 figures and 1 table.

SUB CODE: 07, 20/ SUBM DATE: 24Jun65/ ORIG REF: 008/ OTH REF: 003

Card 2/2 *ell*

ALIYEV, F.M.

Municipal administration in Azerbaijan during the 2d half of the
18th century [in Azerbaijani with summary in Russian]. Dokl. AN
Azorb. SSR 13 no.11:1223-1226 '57. (MIRA 10:12)
(Azerbaijan--Municipal government--History)

ALIYEV, F.S.

Fourier transformation of entire functions of several complex variables. Izv. AN Azerb. SSR. Ser. fiz.-mat. i tekhn. nauk no.5:13-20 '59. (MIRA 13:3)

(Functions of complex variables)

ALIYEV, F.S.

Generalization of S.M. Nikol'skii's theorem for the case of
closed operators [in Azerbaijani with summary in Russian].
Dokl.AN Azerb.SSR 16 no.1:7-11 '60. (MIRA 13:6)
(Operators (Mathematics))

ALIYEV, F. S., CAND PHYS-MATH SCI, "CAUCHY'S PROBLEMS
FOR SYSTEMS OF INTEGRAL ^{al and} DIFFERENTIAL EQUATIONS CONTAINING
A SINGULAR OPERATOR." BAKU, 1961. (COM OF HIGHER AND SEC
SPEC ED OF COUNCIL OF MINISTERS AZSSR, AZERBAIDZHAN STATE
UNIV IM S. M. KIROV, MECH-MATH FACULTY). (KL, 3-61,202).

16,4500

24560
S/055/61/000/002/001/007
C111/C222

AUTHOR: Aliyev, F.S.

TITLE: The Cauchy problem for a system of integro-differential equations with a singular operator

PERIODICAL: Moscow. Universitet. Vestnik. Seriya I. Matematika, mekhanika, no.2, 1961, 10-20

TEXT: The results of an earlier paper of the author (Ref.1: Zadacha Koshi dlya uravneniy s operatorom Gil'berta [The Cauchy problem for equations with a Hilbert operator], Izv. AN Az.SSR, ser. fiz.-matem.i tekhn,nauk, no.4, 1960) are transferred to the n-dimensional case. The author considers the problem

$$\frac{\partial U(x,t)}{\partial t} = \left[P\left(i \frac{\partial}{\partial x}\right) + L\left(i \frac{\partial}{\partial x}\right) H \right] U(x,t) \quad (1)$$

$$U(x,0) = U_0(x), \quad (2)$$

where $x = (x_1, \dots, x_n)$ -- point in the R_n , $U(x,t)$ -- generalized vector function over the space ϕ , P and L -- quadratic matrices the elements of which are polynomials of $i \frac{\partial}{\partial x} = (i \frac{\partial}{\partial x_1}, \dots, i \frac{\partial}{\partial x_n})$, in ϕ the operator

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H is defined by

$$H\varphi = \int_{R_n} K(x-\xi) \varphi(\xi) d\xi.$$

The author assumes

$$K(x-\xi) = \frac{f(\omega)}{|x-\xi|^n}; \quad \int_{\Omega} f(\omega) d\omega = 0, \quad (3)$$

where Ω -- unit sphere in R_n , and $f(\omega)$ is an n times continuously differentiable function.

In § 1 the author considers at first the set \mathcal{U} of all finite functions $\psi(\xi)$, $\xi = (\xi_1, \dots, \xi_n) \in R_n$, $\xi = \sum_{j=1}^n \xi_j^2$, being n times differentiable

everywhere except the origin, and in the neighborhood of the origin admitting the representation

$$\psi(\xi) = \beta_0(\theta) + \xi \beta_1(\theta) + \dots + \xi^m \beta_m(\theta) + R_m(\xi) \quad (4)$$

for every integral m , where $\theta = (\theta_1, \dots, \theta_n)$, $\sum_{j=1}^n \theta_j^2 = 1$; the $\beta_i(\theta)$ are

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n times differentiable, $R_m(\zeta) = O(\zeta^m)$ and for $m \geq n$ in the neighborhood of $\zeta = 0$ it has n continuous derivatives which vanish for $\zeta = 0$. The topology is introduced in Ψ as follows: A sequence of functions is said to be converging to zero if all functions change to zero outside a bounded region, and if these functions together with all derivatives converge to zero in the usual sense in every bounded region which does not contain the zero point, where in

$$\psi_k(\zeta) = \beta_0^k(\theta) + \zeta \beta_1^k(\theta) + \dots + \zeta^m \beta_m^k(\theta) + R_m^k(\zeta)$$

for $k \rightarrow \infty$ uniformly in θ all $\beta_1^k(\theta) \rightarrow 0$, and uniformly in the neighborhood of the zero point $R_m^k(\zeta) \rightarrow 0$. The space Ψ obtained in this way is complete. The space Φ is the space which is dual to Ψ with respect to the Fourier transformations. Elements of Φ are entire analytic functions of exponential type and do not decrease slower than $\frac{C}{|x|^n}$ in infinity.

In § 2 a new (direct) proof of a well-known theorem of S.G. Nikhlin (Ref.5: K teorii mnogomernykh singulyarnykh integral'nykh uravneniy

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The Cauchy problem for a system...

[On the theory of multi-dimensional singular integral equations], Vestn. LGU, no.1, 1956) is given with the aid of generalized functions.

In § 3 it is proved (theorem 2) that the problem (1)-(2) with the given operator H is uniquely solvable under the mentioned assumptions in the class of functions $|f(x)| \leq \frac{0}{|x|^\alpha}$, where α is arbitrarily real.

Let furthermore $\lambda_1(\zeta), \dots, \lambda_q(\zeta)$ be the roots of the characteristic equation

$$\det \|P(\zeta) + L(\zeta)S(\theta) - \lambda I\| = 0.$$

Let $\Lambda(z) = \max \operatorname{Re} \lambda_j(z)$, where $z = \zeta + i\tau$, $\zeta = (\zeta_1, \dots, \zeta_n)$, $\tau = (\tau_1, \dots, \tau_n)$.

1. Systems being correct according to Petrovskiy: $\Lambda(z)$ is bounded from above for $z = \zeta$, i.e. $\Lambda(\zeta) < 0$.
2. Systems being parabolic according to Shilov: $\Lambda(\zeta) \leq -C|\zeta|^h + C_1$, where $h > 0$, $C_1 > 0$.

Theorem 3: The class of uniqueness of the Cauchy problem for systems being correct according to Petrovskiy is the class of correctness. The author thanks Professor G.Ye.Shilov for the leading. There are 5 Soviet-bloc references.

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G111/C222

ASSOCIATION: Kafedra teorii funktsiy i funktsional'nogo analiza
(Chair of Theory of Functions and Functional Analysis)

SUBMITTED: January 18, 1960

Card 5/5

ALIYEV, F.S.

Cauchy Problems for systems of integrodifferential equations
containing a singular operator. Dokl. AN Azerb. SSR 16 no. 10:
931-933 '60. (MIRA 14;1)

1. Institut matematiki i mekhaniki AN Azerb. SSR. Predstavleno akademikom
AN Azerb. SSR Z. I. Khalilovym.
(Integral equations)

ALIYEV, F.S.

General solution of Euler's equation in generalized functions. Dokl.
AN Azerb. SSR 20 no.1:9-13 '64. (MIRA 17:4)

1. Institut matematiki AN AzerSSR. Predstavleno akademikom AN AzerSSR
Z.I.Khalilovym.

ALIYEV, F.S.

Fundamental system of solutions to Euler's equation in terms of
generalized functions. Vest. Mosk. un. Ser. 1: Mat., mekh. 19
no.5:7-14 S-O '64. (MIRA 17:12)

1. Kafedra teorii funktsii i funktsional'nogo analiza Moskovskogo
universiteta.

11/1/56, P. 5.
SULIYMANOV, D.M.; BASHINDZHAGYAN, I.S.; ALIYEV, F.S.

Lithology, physical, and mechanical characteristics of silt bottom
sediments in the Baku archipelago. Izv. AN Azerb. SSR no. 11:55-64
'56. (MLHA 10:2)

(Baku Archipelago--Petroleum geology)

ALIYEV, F.S.; BASHINDZHAGYAN, I.S.; SULEYMANOV, D.M.

Lithology and physico-mechanical characteristics of bottom deposits
in the sands Baku Archipelago. Dokl. AN Azerb. SSR no.11:875-880 '56.

1. Institut geologii im. I.M.Gubkina AN Azerbaydzhanskoy SSR. Predstav-
leno akademikom AN Azerbaydzhanskoy SSR M.V.Abramovichem.
(Baku Archipelago--Petroleum geology)

ALIYEV, F. S. Cand Geol-Min Sci -- (diss) "The Lithology and Physical-Mechanical Characteristic of ~~the~~ Contemporary Bottom Sediments in the Northern Part of the Baku Archipelago." Baku, 1957. 20 pp 19 cm. ~~XXXXXXXXXX~~ (Min of Higher Education USSR, Azerbaydzhan State Univ im S. M. Kirov), 100 copies (KL, 25-57,110)

SOV/124-58-7-7793

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 7, p 70 (USSR)

AUTHOR: Aliyev, F.S.

TITLE: Engineering and Geological Characteristics of the Sea-bottom Sediments in the Northern Part of the Baku Archipelago (Vicinity of the Makarov Shallows) [Inzhenerno-geologicheskaya kharakteristika donnykh osadkov severnoy chasti Bakinskogo arkipelaga. (Rayon banki Makarova)]

PERIODICAL: Tr. 5-y Nauchn. konferentsii aspirantov AN AzerbSSR, Baku, AN AzerbSSR, 1957, pp 16-32

ABSTRACT: Bibliographic entry

1. Oceanography 2. Ocean bottom--Analysis 3. Sedimentation
--Applications 4. Geology--Oceans

Card 1/1

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 10, 15-57-10-14687
p 218 (USSR)

AUTHORS: Aliyev, F. S., Bashindzhagyan, I. S., Suleymanov, D. M.

TITLE: Lithology and Physico-Mechanical Characteristics of Sandy Varieties of Bottom Sediments in the Baku Archipelago (Litologiya i fiziko-mekhanicheskaya kharakteristika peschanykh raznostey donnykh osadkov Bakinskogo arhipelaga)

PERIODICAL: Dokl. AN AzSSR, 1956, Vol 12, Nr 11, pp 875-880

ABSTRACT: The author describes the results of investigations of samples from drill holes in one of the districts of the Baku Archipelago. These studies were made to determine the bearing capacity of the sea-floor sediments as a construction base for marine oil-industry installations. The results are given for grain-size analyses, mineral identification of the sediments, and physical and chemical examinations. To determine mechanical characteristics the material was subjected to shearing and

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Lithology and Physico-Mechanical Characteristics (Cont.) 15-57-10-14687

compression tests. The investigated sandy material is negligibly compressible and has a high coefficient of internal friction. It may therefore be considered a completely reliable base for construction.

Card 2/2

L. A. Maksimova

ALIYEV, F.S.

Lithology and physicommechanical characteristics of silts of the
"Bank of 1906." Dokl. AN Azerb. SSR 13 no.2:169-175 '57. (MIRA 10:7)

1. Institut geologii im. I.M. Gubkina AN Azerbaydzhanskoy SSR.
Predstavleno akademikom AN Azerbaydzhanskoy SSR M.V. Abramovichem.
(Baku Archipelago--Silt)

ALIYEV, F.S.

Geological engineering characteristics of the northern regions
of the Baku Archipelago [in Azerbaijani with summary in Russian].
Dokl. AN Azerb.SSR 13 no.4:401-407 '57. (MIRA 10:7)
(Baku Archipelago--Petroleum engineering)

ALIYEV, F.S.

SULEYMANOV, D.M.; ALIYEV, F.S.

Landslides near the village of Garalar in Kubatly District,
Azerbaijan S.S.R. Dokl. AN Azerb. SSR 14 no.2:141-143 '58.
(MIRA 11:4)

1. Institut geologii AN AzerSSR. Predstavleno akademikom AN
QzerSSR M.V. Abramovichem.
(Kubatly District--Landslides)

ALIYEV, E.S., GUSEYNOVA, A.A.

Characteristics of soils in the submerged part of the Lok-Batan
fold from the point of view of engineering geology. Azerb. neft.
khoz. 38 no.6:7-9 Je. '59. (MIRA 12:10)
(Lok-Batan region--Petroleum in submerged lands)

3(5)

AUTHOR:

Aliyev, F. S.

SOV/20-127-6-33/51

TITLE:

On the Problem of Diagenesis of Argillaceous Rocks of the Baku Archipelago

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 127, Nr 6, pp 1263-1264 (USSR)

ABSTRACT:

The loamy rocks on the bottom of the Caspian Sea undergo, during their lithification, considerable changes with respect to their state and properties. The whole process is divided by the author in 2 stages: a) Primary diagenesis (mud sediments of the sandbanks "1906" and Makarov). The top parts of the bottom (0-3 m) consist of newly deposited loamy muds. They exhibit a distinctly liquid consistency in the natural state, their moisture content exceeds 60% by weight; the content of C_{org} decreases, with an increase in depth, from 1.8 to 1.5, and the content of nitrogen from 0.14 to 0.13%. The physico-chemical conditions favor the formation and preservation of loamy minerals of the hydromica group (Ref 4). b) The subsequent phase of diagenetic changes is represented by muds of deeper horizons (3-15 m) in the same region. The further

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lithification is conditioned by a solidification and dehydration of the muds. Already in the natural state, they show a "crypto-flowing" consistency, and their moisture varies between 50 and 22%. These muds contain, on the whole, loosely bound and less "immobilized" water. On the destruction of their natural structure, they are not liquefied and do not exude any water. C_{org} and nitrogen are further reduced with an increase in depth. The geochemical processes favor the minerals mentioned in the 1st horizon: the dehydration of the said sediments constitutes the principal factor acting upon the process of diagenesis. Newly deposited sediment (as fine detritus held in suspension) contains large amounts of free and bound water. Only with an increasing depth of deposition, the bonds hitherto missing are formed which have been designated as structural-mechanical bonds (Ref 3). They are determined by the indices of plasticity, consistency, strength, and elasticity. During the 1st stage of diagenesis, the solidification due to gravitation is accompanied by the separation of free water. In the course of the 2nd stage, also the water physically bound as a solution in the pores is separated. Besides the solid phase,

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of the Baku Archipelago

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the solution content of the pores also changes. The 2nd stage of the formation of properties of loamy rocks can be pursued in the cross section of boreholes in the area mentioned at the beginning, at depths of more than 10-15 m. The biochemical processes are weakened here, while the physico-chemical ones prevail. The said properties are further changed in the epigenesis. The result is a cementation and crystallization of the pore solutions pressed out. The structural bonds are strengthened, the rock loses its plastic consistency, and becomes a solid body. Also the mineral composition is - though slightly - changed. (Ref 2). There are 4 Soviet references.

ASSOCIATION: Institut geologii Akademii nauk AzerbSSR (Institute of Geology of the Academy of Sciences of the Azerbaydzham SSR)

PRESENTED: (?) 27, 1959, by N. M. Strakhov, Academician

SUBMITTED: May 25, 1959

Card 3/3

SULEYMANOV, D.M.; ALIYEV, F.S.; GUSEYNOVA, A.A.

Lithology and physicommechanical properties of bottom sediments
in the Neftyanys Kamni field. Izv. AN Azerb. SSR, Ser. geol.-geog.
nauk no.4:63-70 '60. (MIRA 14:1)
(Neftyanys Kamni region--Deep-sea deposits)

ALIYEV, F. S.

Formation of properties of clays of the Baku Archipelago. Dokl. AN
Azerb. SSR 16 no.2:153-155 '60. (MIRA 13:3)

1. Institut geologii AN AzerSSR.
(Baku Archipelago--Clay)

ALIYEV, F.S.; RAKITYANSKIY, N.P.

Lithology and physicomachanical properties of bottom soils south
of Peschanyy Island. Dokl. AN Azerb. SSR 16 no.3:275-280 '60.

(MIRA 13:7)

1. Institut geologii AN AzerSSR. Predstavleno akademikom AN
AzerSSR Sh.F. Mekhtiyevym.

(Caspian Sea---Soil mechanics)

ALIYEV, F.S.

Distribution of organic matter in modern bottom sediments of the
Baku Archipelago. Dokl.AN Azerb.SSR 16 no.4:353-357 '60.

(MIRA 13:7)

(Baku Archipelago--Submarine geology)

ALIYEV, F.S.

Cauchy problem for equations with Hilbert operators. Izv. AN
Azerb. SSR. Ser.fiz.-mat. i tekhn. nauk no.4:4-17 '60. (MIRA 14:3)
(Differential equations)

ALIYEV, F. S.

Cauchy problem for a system of equations containing a Gilbert operator. Dokl. AN Azerb. SSR 16 no. 5: 431-436 '60.

(MIRA 13:8)

1. Institut matematiki i mekhaniki AN AzerSSR. Predstavleno akad. AN AzerSSR Z. I. Khalilovym.

(Differential equations)

ALIYEV, F.S.; GUSEYNOVA, A.A.

Characteristics of bottom soils of the Caspian Sea southwest
of the Neftyanje Kamni region from the point of view of
engineering geology. Azerb.neft.khoz. 39 no.9:10-12 S'60.

(MIRA 13:10)

(Caspian Sea--Ocean bottom)

SULEYMANOV, D.M.; ALIYEV, F.S.

Lithology of recent sediments in the northern part of the Baku
Archipelago. Izv. AN Azerb. SSR. Ser. geol.-geog. nauk i nefti, no. 4:
83-99 '61. (MIRA 15:1)
(Baku Archipelago--Sedimentation and deposition)

ALIYEV, F.S.

Properties of Khvalynian clays of the Karadag shallows. Dokl. AN
Azerb. SSR 17 no.12:1147-1151 '61. (MIRA 15:2)

1. Institut geologii AN AzSSR. Predstavleno akademikom AN AzSSR
Sh.F. Mekhtiyevym.
(Karadag region--Clay) (Petroleum engineering)

ALIYEV, F.S.

Recent sediments in offshore gas-and oil-bearing areas in Azerbaijan.
Izv. AN Azerb. SSR Ser.geol.-geog. nauk i nefti no.2:63-69 '62.

(MIRA 15:6)

(Azerbaijan—Deep-sea deposits)
(Azerbaijan—Petroleum in submerged lands)

GORIN, V.A.; ALIYEV, F.S.

Mechanism of the formation of certain types of exogenic folds.
Dokl. AN Azerb. SSR 18 no.5:25-28 '62. (MIRA 15:7)

1. Institut geologii AN AzSSR. Predstavleno akademikom AN AzSSR
Sh.F. Mekhtiyevym.
(Apshehon Peninsula—Folds (Geology))

SULEYMANOV, D.M.; ALIYEV, F.S.

Subsidences in the northwestern Mishovdag. Azerb.neft.khoz. 41
no.3:10-12 Mr '62. (MIRA 15:8)
(Mishovdag region—Subsidences (Earth Movements))

ALIYEV, F.S.

Cauchy's problem for systems of integrodifferential equations.
Trudy Inst. mat. i mekh. AN Azerb. SSR 2:77-103 '63. (MIRA 16:10)