

L 21637-66
ACC NR: AP6007546

ribs (the bulkhead frame); the potential energy of the force acting on the shell and the strips. For an initial deflection defined by

$$\delta = \frac{8}{\pi^2} \frac{1}{r} m^2 = -\psi m^2$$

the critical load is expressed by

$$p_{cr} = \frac{Et}{1 + \nu k} \left[\frac{1}{12(1 - \nu^2)} \frac{(m^2 + n^2)^2}{m^2} + \frac{1}{(m^2 + n^2)} \frac{(m^2 - \psi m^2 n^2)}{(m^2 + n^2)} + \frac{1}{12(1 - \nu^2)} \left[\alpha k m^4 + \beta k n^4 + \alpha_1 k_1 \frac{(n^2 - 1)^2}{m^2} + \beta_1 k_1 n^4 \right] \right]$$

$$\gamma = \frac{F_c}{2\pi r h}; \quad \alpha = \frac{B}{2\pi r D}; \quad \beta = \frac{K}{2\pi r D}; \quad \alpha_1 = \frac{B_1}{ID}; \quad \beta_1 = \frac{K_1}{ID}$$

A parameter γ_0 is then defined by

and for $\delta^2 = 1$ and fixed values of Λ , $\Lambda = \frac{p_{cr} - \gamma_0 Et}{4} = \frac{\alpha k + \beta k + \alpha_1 k_1 + \beta_1 k_1}{4}$. Numerical results are obtained for γ_0 by using the expression

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$$\eta_m = \frac{1}{1 + \gamma k} \left| \frac{1}{2\sqrt{3(1-\nu)}} \times \left[\sqrt{4 + \alpha k + \alpha_1 k_1 + \beta k + \beta_1 k_1 + \frac{3(1-\nu)}{f^2} \psi^2} - \frac{\psi}{2f} \right] \right|$$

The results show that increasing the number and stiffness of the ribs decreases the effect of the initial deflection on the magnitude of the critical load. Orig. art. has: 19 equations and 2 figures.

SUB CODE: 20, 13/ SUBM DATE: 26Jun64/ ORIG REF: 004

Card 3/3 OLR

SOURCE CODE: JR/0198/66/002/012/0033/0040

ACC NR: AP7003243

AUTHOR: Amiro, I. Ya. (Kiev)

ORG: Institute of Mechanics, AN UkrSSR (Institut mekhaniki AN UkrSSR)

TITLE: On the stability of elastic systems "in the small" and "in the large"

SOURCE: Prikladnaya mekhanika, v. 2, no. 12, 1966, 33-40

TOPIC TAGS: elastic deformation, stability criterion, cylindric shell, bending stress, *STRUCTURE*
compressive stress

ABSTRACT: The axial compression of thin elastic cylindric shells is investigated under critical loading with special emphasis on possible upper and lower critical load limits. The concept is illustrated by calculating the critical load on two straight rigid links connected by an elastic hinge and simply supported at their lower ends. With f representing the horizontal displacement, the expression for the critical load becomes

$$\tilde{P} = \tilde{P}_0 + \frac{1}{2} \left[\frac{k_1}{k} (2 - 3\tilde{f} + \tilde{f}^2) + \frac{k_2}{k} (2 + 3\tilde{f} + \tilde{f}^2) \right].$$

The equation is shown graphically for various combinations of the coefficients k . The results show that upper and lower limits exist for the critical load because of an asymmetry in the system. The case $k_1 = k$, $k_2 = 0$ is selected to represent the bulging out of thin cylindric shells under compressive loading with and without initial

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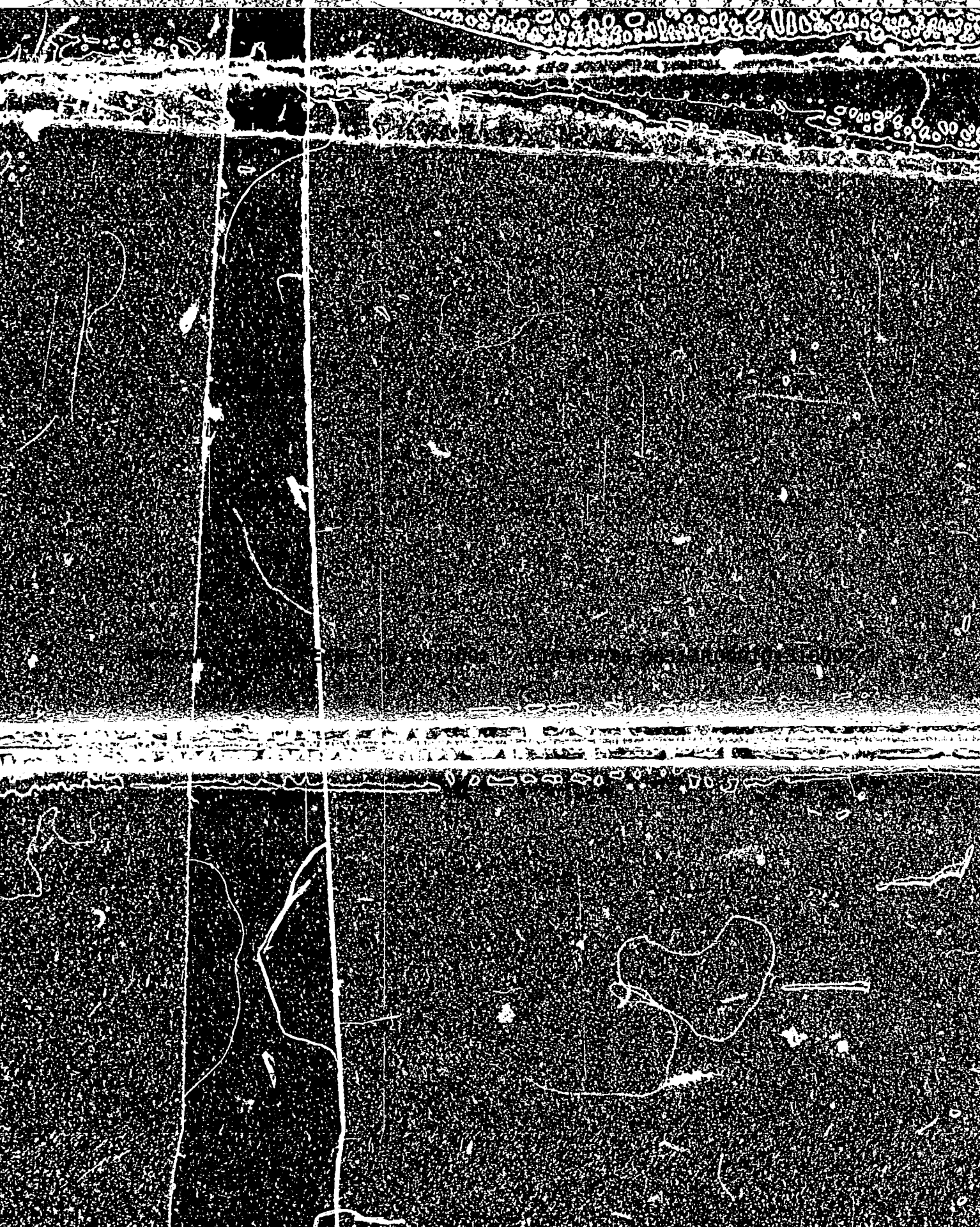
deflection f_0 . It is shown that the minimum load at which equilibrium is lost depends inversely on the rigidity of the system. Orig. art. has: 15 formulas and 6 figures.

SUB CODE: 20/ SUBM DATE: 06Apr66/ ORIG REF: 001/ OTH REF: 001

Card 2/2

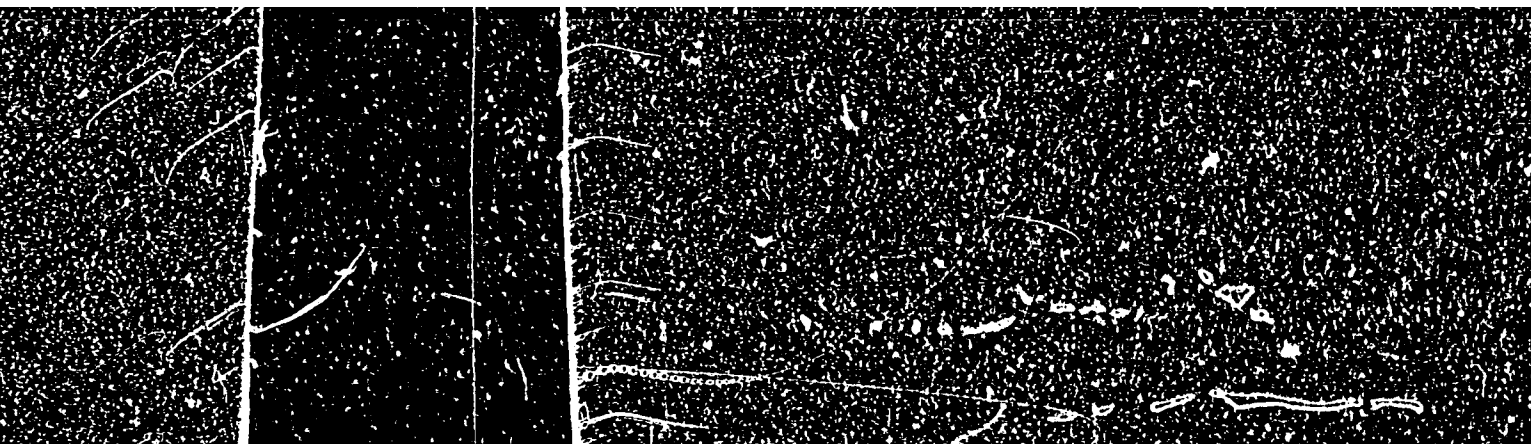
AMIRO, I.Ya.; VARVAK, P.M.

Mykola Vasyl'ovych Kornoukhov (on the occasion of his 60th birthday).
Prykl.mekh. 9 no.5:573-576 '63. (MIRA 16:10)



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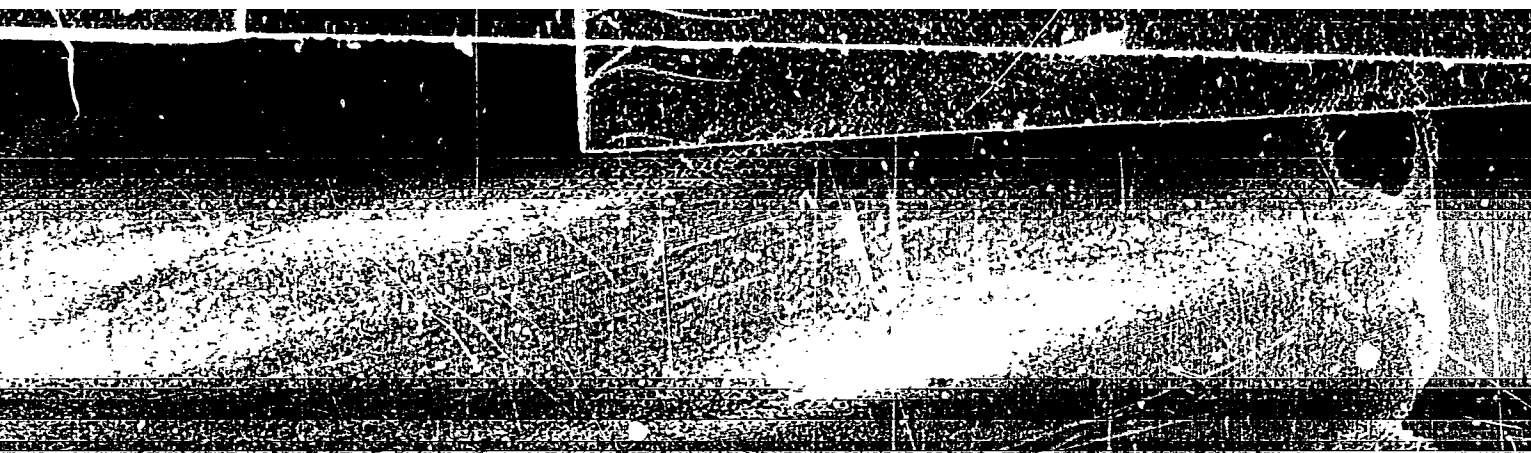


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CIA-RDP86-00513R000101310002-3"

AMIROV, A.A.; MATYS, A.N.; KABULOV, G.A.

Sinking the No.8 extradeep exploratory well in the Zyrya area.
Azerb. neft. khos. 38 no.2:21-25 F '59. (MIRA 12:5)
(Apsheron Peninsula--Boring)

AMIROV, A.I.

RUSTAMOV, E.M.; AMIROV, A.D.; ASADOV, I.M., redaktor; GONCHAROV, I.A.,
tekhnicheskii redaktor.

[Selection of lift pipes in compressor operations] Podbor podzemnykh
trub pri kompressornoi ekspluatatsii. Baku, Gos.nauchno-tekhnicheskoe
izd-vo neftianoi i gorno-toplivnoi lit-ry, Azerbaidzhanskoe otdelenie,
1952. 52 p. (MIRA 8:4)
(Oil wells--Gas lift) (Pipe, Steel)

AMIROV, H.D.

NEGREYEV, V.F., dotsent, kandidat tekhnicheskikh nauk; OL'SHVANG, D.Ye.,
kandidat tekhnicheskikh nauk; RUSTAMOV, E.M., gornyy inzhener;
AMIROV, A.D., redaktor; GONCHAROV, I.A., tekhnicheskii redaktor.

[Corrosion of compression well air vents, formation of ferrous plugs
and their prevention] Korrozia vozdukhoprovodov kompressornykh
skvashin, obrazovanie sal'nikov i bor'ba s nimi. Baku, Gos. nauchno-
tekh. izd-vo neftiaroi i gorno-toplivnoi lit-ry, Azerbaidzhanskoe
otd-nie, 1952. 69 p.

(Condensate oil wells)(Pipe, Steel---Corrosion)

(MIRA 8:4)

AMIROV, A. D.

Prakticheskoye rukovodstvo dlya morskikh brigad po dobyche nefi
(Practical handbook for marine crews on the extraction of oil, by) A.D.
Amirov i V. S. Kozlov. Moskva, Gostoptekhizdat, 1952.

300 p. diagrs., tables.

"Literatura": p. (302)

So: N/5

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AMIRC^v, A.D., redaktor.

[Subsurface repair of marine oil wells; experience of the Artem Petroleum Trust] Podzemnyi remont morskikh skvazhin; opyt tresta Artemneft'. Baku, Gos.nauchno-tekhn. izd-vo neftianoi i gorno-toplivnoi lit-ry, Azerbaidzhanskoe otd-nie, 1953. 61 p. (Obmen otechestvennym opytom) (MLRA 7:4)

1. Moscow. Tsentral'nyy nauchno-issledovatel'skiy institut mekhanizatsii i organizatsii truda v neftyanoy promyshlennosti. Byuro tekhniko-ekonomicheskoy informatsii. Bakinskiy filial. (Petroleum--Well repair)

ABASOV, A.A.; BURDIN, Yu.P.; AMIROV, A.D., redaktor; GONCHAROV, I.A.,
tekhnicheskii redaktor.

[Use of hermetically sealed equipment in the petroleum industry]
Eksploatatsiia ob'ektov neftegermetizatsii. Baku, Gor. nauchno-
tekhn. izd-vo neftianoi i gorno-toplivnoi lit-ry, 1953. 219 p.
(Petroleum industry--Equipment and supplies)(MLRA 8:1)

ZOLIN, M.L.; SHEVCHUK, Yu.I.; AMIROV, A.D., red.; GONCHAROV, I.A.,
tekhn. red.

[Increasing the productiveness of pumping jacks] Uvelichenie
proizvoditel'nosti stankov-kachalok. Baku, Aznefteizdat,
1954. 26 p. (MIRA 16:10)
(Oil well pumps)

ZOLIN, Mikhail L'vovich; SHEVCHUK, Yuriy Ivanovich; AMIROV, A.D., redaktor;
GONCHAROV, I.A., tekhnicheskiiy redaktor

[Pumping jack beam hangers] Kanatnye podveski dlia stankov-kachalok.
Baku, Gos. nauchno-tekhn. ind-vo neftianoi i gorno-toplivnoi lit-ry,
Azerbaidzhanskoe otd-nie, 1954. 34 p. [Microfilm] (MLBA 10:1)
(Oil well pumps)

OVNATANOV, S.T.; AMIROV, A.D., redaktor: GONCHAROV, I.A., tekhnicheskiy
redaktor

[Forced method of extracting fluid from strata and wells under high
water pressure] Forsirovannyi otbor shidkosti iz sil'no obvodnennykh
plastov i skvazhin. Baku, Gos. nauchno-tekhn. izd-vo neftianoi i
gorno-toplivnoi lit-ry, Azerbaidzhanskoe otd-nie, 1954. 43 p.
(Oil field flooding) (MIRA 10:1)

VERDIBEKOV, S.I.; AMIROV, A.D., redaktor; GONCHAROV, I.A., tekhnicheskiiy redaktor.

[Operating gas and sand containing wells with rodless deep-well pumps]
Ekspluatatsiia gazopesochnykh skvazhin bestrubnymi glubinnymi nasosa-
mi; iz opyta raboty tresta Kirovneft'. Baku, Gos.nauchno-tekhn.izd-vo
neftianoi i gorno-toplivnoi lit-ry, 1954. 69 p. (MIRA 8:4)
(Oil well pumps)

Praktika H.6
RABINOVICH, Abram Mendeleyevich; AMIROV, A.D., red.; GONCHAROV, I.A.,
tekhn.red.

[Practical methods of balancing reduction-gear pumps with counter-
balance] Praktika uravnovesivaniia reduktornykh stankov-kachalok.
Baku, Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry,
Azerbaidzhanskoe otd-nie, 1954. 81 p. (MIRA 11:3)
(Oil well pumps)

BELIBEKOV, A.A.; AMIROV, A.D.; KOZLOV, V.S.; KULIYEV, G.A., redaktor;
GONCHAROV, I.A., tekhnicheskiiy redaktor

[Underground repair of oil wells] Podzemnyi remont neftianyykh
skvazhin. Baku, Gos nauchno-tekhn. izd-vo neftianoi i gorno-
toplivnoi lit-ry Azerbaidzhashanskoe otd-nie, 1954. 393 p. (MIRA 9:8)
(Oil wells--Equipment and supplies--Repairing)

AMIROV, A. D.

SHAKHNAZAROV, Armais Arutyunovich; KARAPETOV, Karo Ambartsumovich;
AMIROV, A.D., redaktor; AL'TMAN, T.B., tekhnicheskiiy redaktor.

[Strengthening plugs in oil wells] Kreplenie probkoobrazuiushchikh
porod v neftiannykh plastakh. Baku, Azerbaidzhanskoe Gos.izd-vo
neftianoi i nauchno-tekhn.lit-ry, 1955. 77 p. (MLRA 8:11)
(Oil well boring)

ADONIN, Anatoliy Nikiforovich; KADYMOVA, Kamilya Sulayman kzy; TROITSKIY,
Vitaliy Fedosovich; AMIROV, A.D., redaktor; SHTEYNGEL', A.S.,
redaktor izdatel'stva

[Experience in using gas anchors] Opyt primeneniia gasovykh iakorei.
Baku, Azerbaidzhanskoe gos.izd-vo نفت. i nauchno-tekhn.lit-ry,
1956. 53 p. (MIRA 10:9)
(Oil well pumps)

AGAGUSEYNOV, Yusif Abas ogly; ZOLIN, Mikhail L'vovich; AMIROV, A.D.,
redaktor; SHTETNGEL', A.S., redaktor izdatel'stva

[Lengthening the interval between repairs of wells] Udlinenie
mezhpromontnogo perioda raboty skvazhin. Baku, Azerbaidzhanskoe
gos.izd-vo neft. i nauchno-tekhn.lit-ry, 1957. 39 p. (MLRA 10:9)
(Oil wells--Maintenance and repair)

AMIROV, Ali Dzhabarovich; KOZLOV, Vladimir Sergeyevich.

[The oil field technician; a guide for field workers and members of oil and gas extraction brigades] Neftchyxarma operatoru; neft ve gazchyxarma brigadalary ve sahelerinde chalyshan ishchiler uchun rehberlik. Baky, Azerbaichan devlet neft ve elmi-tehniki edebiiat neshriiaty, 1957. 315 p. [In Azerbaijani.] (MIRA 12:1)
(Petroleum engineering)

Amirov, A. I.
AMIROV, A.; ALIBEKOV, B.; KABANOV, B.; SOSNOV, K.; PROK, I.; BAYRAMOV, M.

Regarding an article published in "Neftianik." Azerb. neft. khoz.
36 no.6:36 Je '57. (MLRA 10:9)
(Oil well pumps)

Handwritten: AMIROV, A.D.
AMIROV, A.D.

Technical progress and problems relative to publicizing new
machinery in the petroleum industry. Azerb.neft.khoz. 36 no.11:
57-60 N '57. (MIRA 11:2)
(Azerbaijan--Petroleum industry)

MUSAYEV, I.N.; AMIROV, A.D.

Exploitation of extradeep flowing wells. Azerb. neft. khoz. 37
no.3:25-28 Mr '58. (MIRA 11:8)
(Petroleum engineering)

AMIROV, A. D. Cand Tech Sci -- (diss) "Certain problems of the ^{exploitation} ~~operation~~ of ultradeep wells." Baku, 1959. 16 pp (Min of Higher and Secondary Specialized Education USSR. Azerbaydahan Order of Labor Red Banner Inst of Petroleum and Chemistry im M. Azizbekov), 150 copies. List of author's works at end of text (15 titles) (KL, 49-50, 139)

KARAPETOV, K.A., nauchnyy sotr.; MELIKBEKOV, A.S., nauchnyy sotr.;
CHERFAS, A.A.; Prinsipali uchastiye: AMIROV, A.D.; BILANDARLY,
A.A.; DURMISHYAN, A.G.; LAYTSEV, Yu.V.; KOCHARYANTS, Sh.M.;
IERAGIMOV, H.S.; MASUMYAN, V.Ya.; TAGIYEV, Z.B.; CHERNOMORBIKOV,
M.Z.; KHALAJ'BEKOV, N.Kh.

[Instructions on the hydraulic fracturing of producing and
injection wells] Instruksiia po primeneniui gidravlicheskogo
razryva plasta v neftianykh i nagnetatel'nykh skvazhinakh.
Baku, 1959. 58 p. (MIRA 15:4)

1. Azerbaidzhanskoye nauchno-tekhnicheskoye obshchestvo nefta-
gazovoy promyshlennosti. 2. Chleny Azerbaydzhanskogo nauchno-
tekhnicheskogo obshchestva neftyanoy promyshlennosti,
Azerbaidzhanskiy nauchno-issledovatel'skiy institut po dobyche
nefti (for Karapetov, Melikbekov).
(Oil wells--Hydraulic fracturing)

AMIROV, A.D.; GUKASOV, N.A.; KASIMOV, A.F.

Volumetric concentration of sand in a flowing well. Izv. vye. ucheb.
zav.; neft' i gaz 2 no.8:39-44 '59. (MIRA 12:11)

1. Azerbaydzhanskiy institut nefti i khimii im. M. Azizbekova, i
Azerbaydzanskiy nauchno-issledovatel'skiy institut po dobyche nefti
(AzNII DN).

(Sand)

AMIROV, A.D.; GUKASOV, N.A.; KASIMOV, A.F.

Settling of sand when a flowing well is shut off. Izv.vys.ucheb.
zav.; neft' i gaz 2 no.11:61-65 '59. (MIRA 13:4)

1. Azerbaydzhanskiy institut nefti i khimii im. M.Azizbekova, i
Azerbaydzhanskiy nauchno-issledovatel'skiy institut po dobyche
nefti.

(Sand) (Sedimentation and deposition)

AMIROV, A.D.

Glogging of screen pipes in multilayer production. Azerb. neft.
khoz. 38 no.5:19-22 My '59. (MIRA 12:9)
(Sand)

AMIROV, A.A.; ABDULLAYEV, A.A.; BEKHUTOV, V.G.; KULIYEV, I.Sh.; PROK,
I. Yu.

Present status and prospects for the development of automation
of petroleum production processes in Azerbaijan fields. Azerb.
neft.khoz. 38 no.12:18-21 D'59. (MIRA 13:10)
(Azerbaijan--Oil fields--Production methods) (Automatic control)

AMIROV, Ali Dzhabarovich, kand.tekhn.nauk; AMIYAN, V.A., nauchnyy red.;
ISLANKINA, T.F., red.; ATROSHCHENKO, L.Ye., tekhn.red.

[Petroleum production in Azerbaijan] Nefiansia promyshlennost'
Azerbaidzhana. Moskva, Izd-vo "Znanie," 1960. 38 p. (Vse-
soiuznoe obshchestvo po rasprostraneniю politicheskikh i
nauchnykh znaniy, Ser.4, Nauka i tekhnika, no.18).
(Azerbaijan--Oil fields--Production methods) (MIRA 13:7)

ISMAIL-ZADE, Dzhafar Isa ogly; MAMEDOV, Gasan Aliguseyn ogly; AMIROV, A.D., kand. tekhn. nauk, red.; RASHEVSKAYA, T.A., red. iud-va

[Development of the Kirmaki series of the Buzovny-Mashtagi field] Voprosy razrabotki kirmakinskoi svity Buzovny-Mashtaginskogo mestoropkhdeniia. Baku, Azerbaidzhanskoe gos. izd-vo neft. i nauchno-tekhn. lit-ry, 1960. 89 p. (MIRA 14:8)
(Apsheron Peninsula--Oil fields--Production methods)

GROBSHTEYN, Solomon Romanovich, kand.tekhn.nauk; MIRZADZHANZADE, A.Kh.,
prof., doktor tekhn.nauk, red.; AMIROV, A.D., inzh., red.;
AL'TMAN, T.B., red.izd-vs

[Some problems relative to the development of offshore oil fields
as exemplified by the development of the sub-Kirmaki series in the
Neftyanyye Kamni region] Nekotorye voprosy razrabotki morskikh
neftianykh mestorozhdenii; na primere PK svity mestorozhdeniia
Neftianye Kamni. Baku, Azerbaidzhanskoe gos.izd-vo neft. i nauchno-
tekhn.lit-ry, 1960. 198 p. (MIRA 13:9)
(Neftyanye Kamni region--Oil well drilling, Submarine)

AMIROV, A.D.

Azerbaijan oil field industry 'n 1960. Azerb. neft. khoz. 39
no.1:1-3 Ja '60. (MIRA 14:8)
(Azerbaijan--Oil fields--Production methods)

AMIROY, A.D.; RZABEKOV, Z.F.; SULEYMANOV, A.B.

Basic stages and trends in the development of petroleum production.

Azerb. neft. khez. 39:17-20 Ap '60. (MIRA 13:11)

(Azerbaijan--Oil fields--Production methods)

AMIROV, A.D.; AGALAROV, D.M.; ADZHALOV, Z.M.; KASIMOV, A.F.; MUSAYEV, I.M.

Determining the flush production period of wells in the Kyurovgad field [in Azerbaijani with summary in Russian]. Azerb.neft.khoz.
39 no.9:25-27 S'60. (MIRA 13:10)

(Kyurovdag region---Oil reservoir engineering)

AMIROV, A.D.; delegat XXII s"yezda Kommunisticheskoy partii Sovetskogo Soyuza

Objectives of petroleum industry workers in Azerbaijan. Bezop.truda
v prom. 5 no.12:3-5 D '61. (MIRA 15:1)

1. Nachal'nik Gosudarstvennogo ordena Lenina ob"yedineniya
Azerbaydzhanskoy nefte dobyvayushchey promyshlennosti.
(Azerbaijan--Petroleum industry)

AMIROV, A.D.

• Ninetieth anniversary of oil recovery in the fields of Azerbaijan.
Neft. khoz. 39 no.5:1-6 My '61. (MIRA 14:9)
(Azerbaijan--Oil fields--Production methods)

AMIROV, A.D.

The year 1961 is the third in the seven-year plan for petroleum
production in Azerbaijan. Azerb. neft. khoz. 40 no.1:1-3
Ja '61. (MIRA 14:8)
(Azerbaijan—Oil reservoir engineering)

AMIROV, A.D., delegat XIII s"yezda Kommunisticheskoy partii Sovetskogo
Soyuza

Twenty-Second Congress of the CPSU and problems of the petroleum
industry of Azerbaijan. Azerb.neft.khoz. 40 no.12:2-5 D '61.
(MIRA 15:8)

(Azerbaijan--Petroleum industry)

- AMIROV, A.D., kand. tekhn. nauk; KULIYEV, I.P., red.; SIVOKON', V.,
tekhn. red.

[Offshore oil workers, winners of the Lenin Prize] Morskie
neftianiki - laureaty Leninskoi premii. Baku, Ob-vo po ras-
prostraneniю polit. i nauchn. znaniy, 1962. 89 p.

(MIRA 16:1)

1. Chlen obshchestva po rasprostraneniю politicheskikh i na-
uchnykh znaniy (for Amirov)

(Azerbaijan--Oil well drilling, Submarine)

(Lenin Prizes)

AMIROV, A.D.

Speed up the development of the Azerbaijan petroleum and gas industries. Azerb. neft. khoz. 41 no.9:1-4 S '62. (MIRA 16:6)

(Azerbaijan—Petroleum industry)
(Azerbaijan—Gas, Natural)

ABDULLAYEV, A.A.; AMIROV, A.D.; BEKHEJDOV, V.G.; SULEYMANOV,
A.B.; SHTEYNCEL', A.S., red.; TOROSYAN, R., tekhn.red.

[General automatic control and remote control in Baku oil
fields] Kompleksnaia avtomatizatsiia i ~~te~~lemekhanizatsiia
na bakinskikh neftepromyslakh. Baku, Azerneshr, 1963.
100 p. (MIRA 17:3)

AMIROV, A.D.; VELIBEKOV, A.A., red.; SHTEYNGEL', A.S., red.izd-va;
NASIROV, N., tekhn. red.

[Petroleum production] Dobycha nefi; tekhnika i praktika.
Baku, Azerbaidzhanskoe gos. izd-vo, 1963. 329 p.
(MIRA 16:8)

(Petroleum production)

KRASNOBAYEV, Aleksandr Vasil'yevich; AMIROV, A.D., red.; BUSAYEVA,
E.B., red.izd-va; AKHMEDOV, S., Tekhn. red.

[Lock supports of inserted deep well pumps] Zamkovye opory
vatavnykh glubinnykh nasosov. Baku, Azarneshr, 1963. 115 p.
(MIRA 17:4)

KRASNOBAYEV, Aleksandr Vasil'yevich; AMIROV, A.D., red.; MUSAYEVA,
E.B., red.izd-va; AKHMEDOV, S., tekhn. red.

[Supports for joints of extension deep-well pumps] Zamko-
vye opory vstavnykh glubinnykh nasosov. Baku, Azerneshr,
1963. 115 p. (MIRA 17:2)

ALIBEKOV, B.I.; LIDENGARTEN, R.M.; SAPOZHNIK, V.M.; AMIROV, A.D.,
spets. red.; RASHEVSKAYA, T.A., red.

[Petroleum production by the open method; based on a
study of the Kirmaku Oil Field] Lobysha nefti otkrytym
sposobom; na primere mestorozhdenia dirmaku. Baku,
Azarneshr, 1964. 122 p. (NIRA 17:12)

AMIROV, A.D.

Workers of the oil and gas industry of Azerbaijan are creating
a base for macromolecular chemistry. Neft. khoz. 42 no.7:1-4
Jl '64. (MIRA 17:8)

VEZIROV, S.A.; AMIROV, A.D.; ASADOV, I.M.; SULEYMANOV, A.B.; TAIROVA, T.A.

Azerbaijan is the oldest base of the petroleum industry.

Neft. khoz. 42 no.9/10:38-45 S-O '64.

(MIRA 17:12)

BALAKIROV, Yu.A.; AMIROV, A.D., kand. tekhn. nauk, red.;
MUSAYEVA, E., red.

[Interference tests and thermography of oil wells and
layers] Gidrcproslushivanie i termografirovanie neftia-
nykh skvazhin i plastov. Baku, Azerbaidzhanskoe gos.
izd-vo, 1965. 199 p. (MIRA 18:10)

L 45265-66 EWT(1) GW

ACC NR: AP6024426

SOURCE CODE: UR/0362/66/002/007/0705/0713

AUTHOR: Amirov, A. D.

ORG: Academy of Sciences SSSR, Siberian Branch (Akademiya nauk SSSR, Sibirskoye otdeleniye); Computing Center (Vychislitel'nyy tsentr)

TITLE: Role of atmospheric turbulence in convective motion

SOURCE: AN SSSR. Izvestiya. Fizika atmosfery i okeana, v. 2, no. 7, 1966, 705-713

TOPIC TAGS: atmospheric turbulence, atmospheric convection, thermal convection, atmospheric disturbance

ABSTRACT: A study has been made of a more accurate estimation of turbulent viscosity in the nonlinear spatial nonstationary problem of thermal convection. The turbulent coefficient (unlike previous studies) is considered to be a variable quantity, proportional to the horizontal gradient of the vertical velocity. The numerical solution is compared with the results of A. D. Amirov (K voprosu o razvitii termnikov i kuchevykh oblakov v stratosfirovannoy atmosfere, Izv. AN SSSR, Fizika atmosfery

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UDC: 551.558.1:551.551.5

AMIROV, A.G.

Inclusion of a wisdom tooth in the right antrum of Highmore.
Azerb.med.zhur. no.11:81 N '58 (MIRA 11:12)

1. Iz otolaringologicheskogo otdeleniya Kirovabadskoy tsentral'noy
ob' yedinennoy bol'nitsy (glavvrach M.G. Gadzhiyev).
(NOSE, ACCESSORY SINUSES OF)
(TEETH---ABNORMITIES AND DEFORMITIES)

AMIROV, A.G.

Multiple calculi of the tonsils. Zdrav.Turk. 3 no.2:31
Mr-Apr '59. (MIKA 12:8)

1. Iz Kirovobadskoy tsentral'noy ob'yedinennoy bol'nitsy (glav.
vrach - kand.med.nauk M.G.Gadshiyev).
(TONSILS--DISEASES) (CALCULI)

AMIROV, A.G.

Multiple calculi of the palatal tonsils. Azerb.med.zhur. no.2:
62-63 P '60. (MIRA 13:5)

1. Iz Kirovabadskoy tsentral'noy ob'yedinennoy bol'nitsy (glavvrach -
kand.med.nauk M.G. Gadzhiyev).
(TONSILS--DISEASES) (CALCULI)

AMIROV, A.G.

Methodology of direct adenotomy. Zhur. ush. nos. i gort. bol.
23. no.2:80-82 Mr.-Ap'63. (MIRA 16:8)

1. Iz Otorinolaringologicheskoy kliniki (zav. - prof. S.N.
Khechinashvili) Tbilisskogo instituta usovershenstvovaniya
vrachey.

(NASOPHARYNX—SURGERY)

AMIROV, F.F.

Plastic repair of tracheal and bronchial defects; preliminary communication. Ekspenkhir. 1 no.2:21-30 Mr-Apr '56 (MIRA 11:10)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (dir. deystvitel'nyy chlen AMN SSSR prof. A.N. Bakulev) II Moskovskogo gosudarstvennogo meditsinskogo instituta imeni I.V. Stalina i kafedry operativnoy khirurgii (zav. - prof. B.A. Stekol'nikov) Tashkentskogo gosudarstvennogo meditsinskogo instituta imeni V.M. Molotova.

(TRACHEA, surgery,

exper. plastic repair (Rus))

(BRONCHI, surgery,

exper. plastic repair (Rus))

AMIROV, F.F.

Reactions of tracheal tissue to different types of suture material:
silk, chromic catgut and supramide [with summary in English].
Eksper.khir. 2 no.4:24-30 J1-Ag '57. (MIRA 10:11)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (dir. - deystvitel'nyy
cheln Akademii meditsinskikh nauk SSSR prof. A.N.Bakulev) II Moskov-
skogo meditsinskogo instituta imeni I.V.Stalina i kafedra opera-
tivnoy khirurgii (zav. - prof. B.A.Stekol'nikov) Tashkentskogo
meditsinskogo instituta imeni V.M.Molotova.

(TRACHEA, surg.

exper., eff. of various types of sutures on reactions
& healing processes)

(SUTURES

eff. of various types of suture material on healing of
trachea in exper. surg.)

AMIROV, F.F.

Closure of segmental defects of the trachea with muscular-periosteal and muscular-costal pedicle flaps strengthened from within by chlorvinyl prosthetic tubes. Eksp. khir. 3 no.6:22-27 N-D '58. (MIP) 12:1)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (dir. - akad. A.M. Bakulev) II Moskovskogo meditsinskogo instituta imeni N. I. Pirogova i kafedry operativnoy khirurgii (sav. - prof. D. A. Stekol'nikov) Tashkentskogo meditsinskogo instituta.

(TRACHEA, surg.

reconstruction autoplasty using musc.-periosteal & costal pedicle flaps & chlorvinyl prosth. tubes in dogs (Rus))

AMIROV, F.F.

Experimental pneumonectomy with resection of a bifurcated trachea. Izv.AN Uz.SSR.Ser.med. no.6:57-62 '58.

(MIRA 12:5)

1. Fakul'tetskaya khirurgicheskaya klinika II Moskovskogo gosudarstvennogo meditsinskogo instituta im. N.I.Pirogova i Kafedra operativnoy khirurgii Tashkentskogo gosudarstvennogo meditsinskogo instituta.

(LUNGS--SURGERY)

AMIROV, F. F., Doc Med Sci (diss) -- "Plastic surgery of defects of the trachea and bronchi under experimental conditions". Tashkent, 1959. 26 pp (Second Moscow State Med Inst im N. I. Pirogov), 300 copies (KL, No 22, 1959, 120)

AMIROV, F.F.

Late results of plastic operations on circular defects of the trachea using pediculated musculoperiosteal and musculocostal flaps. Grud. khir. 2 no.1:86-90 Ja-F '60. (MIRA 15:3)

1. Iz fakul'tetskoy khirurgicheskoy kliniki imeni S.I. Spaschkukotskogo (dir. -- akademik A.N. Bakulev) II Moskovskogo meditsinskogo instituta imeni N.I. Pirogova i kafedry operativnoy khirurgii (zav. -- prof. B.A. Stekol'nikov) Tashkentskogo gosudarstvennogo meditsinskogo instituta.

(ISSUES--TRANSPLANTATION)
(TRACHEA--SURGERY)

AMIROV, F.F.

New method of tube fixation in alloplasty of extensive tracheal defects in the tracheal portion. Eksper. khir. 5 no.1:10-14 Ja-F '60.

(MIRA 13:12)

(TRACHEA—SURGERY)

AMIROV, Fazyl Fayzirikhsanovich; LEVINA, L.M., red.; SUKHANOV, P.P.,
tekhn. red.

[Plastic operations on the trachea and bronchi; experimental
study]Plasticheskie operatsii na trakhee i bronkhakh; eksperi-
mental'noe issledovanie. Tashkent, Medgiz UzSSR, 1962. 144 p.
(MIRA 16:3)

(RESPIRATORY ORGANS—SURGERY)

ZLATKIN, Moisey Grigor'yevich; DOROKHOV, Nikolay Nikolayevich; LEBEDEV, Nikolay Ivanovich; MAKAROV, Nikolay Yevgen'yevich; NEYSHTAT, Zya-ma Fal'kovich; SYCHEV, Arkadiy Mikhaylovich; SKLYUYEV, P.V., kand. tekhn. nauk, retsenzent; TASHCHEV, A.K., kand. tekhn. nauk, retsen-zent; TRUBIN, V.N., kand. tekhn. nauk, retsenzent; VSHIVKOV, P.P., inzh., retsenzent; KON'KOV, A.S., inzh., retsenzent; LEBEDEV, N.S., inzh., retsenzent; POTEKUSHIN, N.V., inzh., retsenzent; TYAGUNOV, V.A., doktor tekhn. nauk, red.; SOKOLOV, K.N., kand. tekhn. nauk, red.; SKORNYAKOV, V.B., red.; YAROSHENKO, Yu.G., red.; ZAKHAROV, B.P., inzh., red.; AMIROV, I.M., inzh., red.; MYSHKOVSKIY, V.A., inzh., red.; SHELEKHOV, V.A., inzh., red.; BOGOMOLOV, O.P., inzh., red.; KATS, I.S., inzh., red.; LEVANOV, A.N., inzh., red.; DUGINA, N.A., tekhn. red.

[Handbook on forging practices:] Spravochnik rabocheho kuznechno-shtampovogo proizvodstva. By M.G.Zlatkin i dr. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1961. 776 p.

(MIRA 14:9)

(Forging—Handbooks, manuals, etc.)

AMIROV, Il'giz Mukhammedovich; KON'KOVA, A.S., dots., red.; DUGINA,
N.A., tekhn. red.

[Die-stamping on horizontal forging machines] Shtampovka na
gorizontal'no-kovochrykh mashinakh. Pod red. A.S.Kon'kova.
Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry,
1961. 64 p. (Nauchno-populiarnaiia biblioteka rabochego
kuznetsa, no.12) (MIRA 15:3)

(Forging machines)

Report presented at the 1st All-Union Congress of Theoretical and Applied Mechanics,
Moscow, 27 Jan - 3 Feb '69.

1. A. A. Abkhazov, A. P. Baklanov, L. A. Buzikova (Moscow): Some problems of the theory of the interaction of a rigid body with a liquid.
2. A. A. Abkhazov, V. A. Buzikova, L. A. Buzikova (Moscow): Some problems of the theory of the interaction of a rigid body with a liquid.
3. A. A. Abkhazov (Moscow): Some problems of the theory of the interaction of a rigid body with a liquid.
4. A. A. Abkhazov, A. A. Buzikova (Moscow): Some problems of the theory of the interaction of a rigid body with a liquid.
5. A. A. Abkhazov, A. A. Buzikova (Moscow): Some problems of the theory of the interaction of a rigid body with a liquid.
6. A. A. Abkhazov (Moscow): Some problems of the theory of the interaction of a rigid body with a liquid.
7. A. A. Abkhazov (Moscow): Some problems of the theory of the interaction of a rigid body with a liquid.
8. A. A. Abkhazov (Moscow): Some problems of the theory of the interaction of a rigid body with a liquid.
9. A. A. Abkhazov (Moscow): Some problems of the theory of the interaction of a rigid body with a liquid.
10. A. A. Abkhazov (Moscow): Some problems of the theory of the interaction of a rigid body with a liquid.
11. A. A. Abkhazov (Moscow): Some problems of the theory of the interaction of a rigid body with a liquid.
12. A. A. Abkhazov (Moscow): Some problems of the theory of the interaction of a rigid body with a liquid.
13. A. A. Abkhazov (Moscow): Some problems of the theory of the interaction of a rigid body with a liquid.
14. A. A. Abkhazov (Moscow): Some problems of the theory of the interaction of a rigid body with a liquid.
15. A. A. Abkhazov (Moscow): Some problems of the theory of the interaction of a rigid body with a liquid.
16. A. A. Abkhazov (Moscow): Some problems of the theory of the interaction of a rigid body with a liquid.
17. A. A. Abkhazov (Moscow): Some problems of the theory of the interaction of a rigid body with a liquid.
18. A. A. Abkhazov (Moscow): Some problems of the theory of the interaction of a rigid body with a liquid.
19. A. A. Abkhazov (Moscow): Some problems of the theory of the interaction of a rigid body with a liquid.
20. A. A. Abkhazov (Moscow): Some problems of the theory of the interaction of a rigid body with a liquid.
21. A. A. Abkhazov (Moscow): Some problems of the theory of the interaction of a rigid body with a liquid.
22. A. A. Abkhazov (Moscow): Some problems of the theory of the interaction of a rigid body with a liquid.
23. A. A. Abkhazov (Moscow): Some problems of the theory of the interaction of a rigid body with a liquid.
24. A. A. Abkhazov (Moscow): Some problems of the theory of the interaction of a rigid body with a liquid.
25. A. A. Abkhazov (Moscow): Some problems of the theory of the interaction of a rigid body with a liquid.
26. A. A. Abkhazov (Moscow): Some problems of the theory of the interaction of a rigid body with a liquid.
27. A. A. Abkhazov (Moscow): Some problems of the theory of the interaction of a rigid body with a liquid.
28. A. A. Abkhazov (Moscow): Some problems of the theory of the interaction of a rigid body with a liquid.
29. A. A. Abkhazov (Moscow): Some problems of the theory of the interaction of a rigid body with a liquid.
30. A. A. Abkhazov (Moscow): Some problems of the theory of the interaction of a rigid body with a liquid.
31. A. A. Abkhazov (Moscow): Some problems of the theory of the interaction of a rigid body with a liquid.
32. A. A. Abkhazov (Moscow): Some problems of the theory of the interaction of a rigid body with a liquid.
33. A. A. Abkhazov (Moscow): Some problems of the theory of the interaction of a rigid body with a liquid.
34. A. A. Abkhazov (Moscow): Some problems of the theory of the interaction of a rigid body with a liquid.

AMIROV, Kh. N.

Amirov, Kh. N. "On the morphology of the pelvic section of the sympathetic nervous system in children," Trudy Kazansk. gos. med. in-ta, 1948, Issue 1 Chair of human anatomy, p. 109-32 - Bibliog: 32 items

SO: U-3264, 10 April 1953, (Letopis 'Zhurnal ' nykh Statey, no. 3, 1949)

AMIROV, Kh.N.

Materials on the study of the nervous apparatus of the parietal
pleura. Nauch. trudy Kaz. gos. med. inst. 14:73-74 '64.

(MIRA 18:9)

1. Kafedra anatomii (zav. - prof. A.G.Korotkov) Kazanskogo
meditsinskogo instituta.

USSR/Human and Animal Morphology. Nervous System. Pari- S-3
pheral Nervous System

Abstr Jour: Ref Zhur - Biol., No 19, 1958, 88412

Author : Amirov, Kh. M.

Inst : Kazan Medical Institute

Title : On the Problem of Innervation of the Parietal
Flora

Orig Pub: Sb. nauchn. rabot. Kazansk. med. in-t, 1957,
vyp. 4, 70-75

Abstract: The diaphragmatic nerve (DN) was severed at the
level of the cervical segment in 8 cats; the DN
was sectioned in 2 cats following its desympathi-
zation (ablation of the superior cervical sympa-
thetic ganglion), and in 5 animals- the semilunar
ganglion was removed. The material was studied
within 48-96 hours by the impregnation method of Bil'sho-
vskiy-Gross. It was demonstrated that the fibers

Card 1/2

EXCERPTA MEDICA Sec 20 Vol 2/11 Gerontology Nov 59

1593. **Peculiarities of ovarian blood supply in dependence to age (Russian text)** AMIROV KH. N. *Akush. i Ginek* 1958, 6 (75-80) Illus. 3

122 fresh ovaries obtained from patients aged from 1 to 75 yr. and from 3 human embryos were investigated. The ovaries are supplied with blood from the internal spermatic and uterine arteries. The latter are subdivided into 2 branches (the main and the collateral) on the lateral surface of the uterus. The main branch is connected with the ovarian artery, while the collateral passes to the ovarian end of the uterine tube and supplies it. In certain cases the ovarian artery is subdivided into 2 branches, one of which gives 5-6 ramifications in the form of a brush and enters the tubular end of the ovary, while the main trunk passes near to the straight edge of the ovary and anastomoses with the ovarian branch of the uterine artery. The ovarian artery may subdivide into 3 branches, 2 of which enter the ovary, while the 3rd ramifies in the broad ligament. The number of arterial branches entering the ovary shows certain variations in dependence to age. There are comparatively few branches (20-28) in embryos. Their number increases and reaches 40 at the age of 20. At the age of from 20 to 30 the number of branches reaches the maximal number (50-60) and then gradually decreases to 20-30 branches in old age.
(X, 1, 20)

AMIROV, Kh.N., dotsent

Professor Valerii Nikolaevich Murat. Kaz. med. zhur. no.6:72-73
N-D '60. (MIRA 13:12)

(MURAT, VALERII NIKOLAEVICH, 1900-)

Amirov, M. N.

USSR/Engineering - Measuring instruments

Card 1/1 Pub. 123 - 10/11 *

Authors : Zaslavskaya, N. Ya., and Amirov, M. N.

Title : Device for continuous control of the thickness of a non-ferrous metal strip rolled on sheet-rolling machines

Periodical : Vest. AN Kaz. SSR 12, 96-102, Dec 1955

Abstract : Description is given of a contactless electromicrometer (designed by the Energetics Institute of the Acad. of Sc., Kaz. SSR) intended for continuously measuring the thicknesses of brass strips with a thickness of from 50 - 250 microns. The operational principles of the device are described. Some results obtained with the thickness controlling device are listed. One USA reference (1936). Table; graphs; diagrams; illustration.

Institution :

Submitted :

AMIROV, Kh.N. (Kazan', Shkol'naya ul., 3, kv. 6)

Materials for a study of the nerve apparatus of the parietal pleura.
Role of the solar plexus in the innervation of the parietal pleura.
Arkhnat.gist.i embr. 38 no.4:101-103 Ap '60. (MIRA 14:5)

1. Kafedra anatomii cheloveka (zav. - prof. V.N.Murat) Kazanskogo
gosudarstvennogo meditsinskogo instituta.
(PLEURA—INNERVATION) (SOLAR PLEXUS)

OKHRIMENKO, N.I., gornyy inzh.; KARPOV, A.P., gornyy inzh.;
KURBANGALEYEV, I.Kh., gornyy inzh.; AMIROV, M.I., gornyy inzh.

Improving boring and blasting operations in the Uchaly Mine.
Gor. zhur. no.6:39-40 Je '62. (MIRA 15:11)

1. Uchalinskiy rudnik.
(Uchaly region—Blasting)
(Boring)

KRAKHT, S.V., polkovnik meditsinskoy sluzhby, kand.med.nauk; AMIROV,
M.S., mayor meditsinskoy sluzhby

Causes of repeated hospitalization of dysentery patients. Voen.-
med. zhur. no.8:75-77'62. (MIRA 16:9)
(DYSENTERY) (MEDICINE, MILITARY)

AMIROV, N.

Comparative characteristics of the morphology of some thigh arteries and their role in supplying blood to the organs in various classes of vertebrates and man. Izv. AN Turk. SSR Ser. biol. nauk no.3:72-74 '64 (MIRA 18:2)

1. Turkmenskiy meditsinskiy institut.

L 32928-66 EWT(d)/EWT(1)/ENP(h)/ENP(1) SCTB DD
 ACC NR: AP6019486 SOURCE CODE: UR/0392/66/000/003/0072/0073
 AUTHOR: Amirov, N. Kh. 34
 8
 ORG: Central Scientific Research Laboratory, Kazan Order of the
 Red Banner of Labor Medical Institute im. S. V. Kurashov
 (Tsentral'naya nauchno-issledovatel'skaya laboratoriya Kazanskogo ordena
 Trudovogo Krasnogo Znameni meditsinskogo instituta)
 TITLE: Characteristics of perspiration reactions and their pathogenetic
 significance in persons working under conditions of constant darkness
 SOURCE: Kazanskiy meditsinskiy zhurnal, no. 3, 1966, 72-73 2 14
 TOPIC TAGS: light biologic effect, unconditioned reflex, pathogenesis,
 working condition
 ABSTRACT: In motion picture film plants and laboratories where
 employees work under conditions of complete or partial darkness, the
 rate of illness is 1½ to 2 times higher than for employees working under
 normal light conditions. The perspiration reflex, considered as an index of
 fatigue and a predisposing factor in colds was investigated in the
 present study in 34 women working under conditions of total darkness and
 in 22 women working under normal light conditions (21-22C temperature
 Card 1/2 UDC: 616.56-008.811.1-613.165.9

COUNTRY	: USSR	
CATEGORY	: Cultivated Plants. Forage Crops.	M
ASS. JOUR.	: RZhBiol., No. 29 1956, No. 104731	
AUTHOR	: Amirov, N. S.	
INST.	: Academy of Sciences, Azerbaijan SSR	
TITLE	: Planting Dates for Corn as a Post-Harvest Crop.	
ORIG. PUB.	: Dokl. AN AzerbSSR, 1956, 14, No. 3, 395-399	
ABSTRACT	: Field tests for the determination of the best planting periods (6 altogether) for corn following winter wheat were conducted during 1955-1956 on the irrigated lands at Karabakhskaya Base, Academy of Sciences, Azerbaijan SSR. Varieties, Sterling, Minnesota 13, Khar'kovskaya 23, Vestnyy unzhak were used. The best periods for obtaining corn grain is planting not later than the 5th of August, and for green roughage - not later than the 1st of September.	

Card: 1/1

AMIROV, N.S.

Influence of postharvest crops on subsequent cotton yields
[in Azerbaijani with summary in Russian]. Dokl. AN Azerb. SSR
14 no.11:887-890 '58. (MIRA 11:12)
(Azerbaijan--Cotton growing)

AMIROV, N.Sh.

Effect of natural and drug-induced sleep on gastric secretion in dogs.
Biul. eksp. biol. i med. 43 no.1 supplement:83-85 '57. (MLRA 10:3)

1. Iz laboratorii fiziologii i patologii pishchevareniya (zav. - doktor meditsinskikh nauk S.I. Filippovich) Instituta normal'noy i patologicheskoy fiziologii (dir. - deystvitel'nyy chlen AMN SSSR prof. V.N. Chernigovskiy) AMN SSSR. Predstavlena deystvitel'nyy chlenom AMN SSSR V.N. Chernigovskim.

(SLEEP,

eff. of natural & induced sleep on gastric secretion
in dogs)

(STOMACH, physiol.

secretion, eff. of natural & induced sleep)

AMIROV, N. S., CAND AGR SCI, "SELECTION OF POST-HARVEST
CROPS AND A STUDY OF THE OPTIMAL ^{sum dates} ~~times~~ FOR THEIR ^{sowing} ~~planting~~
UNDER THE IRRIGATION CONDITIONS OF THE KARABAKH STEPPE ^{of the}
AZERBAIDZHAN SSR." BAKU, 1960. (MIN OF AGR RSFSR, NORTH
OSET ^{inst} AGR INST). (KL., 2-61, 214).

-209-

AMIROV, N.S.

Peas as a stubble crop. Dokl. AN Azerb. SSR 17 no. 3:233-236
'61. (MIRA 14:5)

1. Institut zemledeliya AN Azerb SSR. Predstavleno akademikom
AN Azerbaydzhanskoy SSR I.D. Mustafayevym.
(Peas) (Hay)

AMIROV, N.Sh.

Modified method for angiostomy of the portal vein. Fiziol. zhur. 47
no.12:1507-1509 D '61. (MIRA 15:1)

1. From the Laboratory of Physiology and Pathology of Digestion
USSR Academy of Medical Sciences & Institute of Normal and Pathologic
Physiology, Moscow.
(PORTAL VEIN SURGERY)

FILIPPOVICH, S.I.; AMIROV, N.Sh.; VOLKOVA, T.V.; ZAMYCHKINA, K.S.;
MALKIMAN, I.V.; MARTSEVICH, M.S.; NILOVA, N.A.; GOLUBYKH,
L.I., red.; BUKOVSKAYA, N.A., tekhn. red.

[Compensatory processes in the digestive system following
resection of the stomach and the small intestine;
experimental studies] Kompensatornye protsessy v pishche-
varitel'noi sisteme posle rezektsii zheludka i tonkogo ki-
shechnika; eksperimental'nye issledovaniia. Moskva, Med-
giz, 1963. 290 p. (MIRA 17:3)

*

AMIROV, N.Sh.

Methodology for the study of absorption from the small intestine in acute experiment. Fiziol. zhur. 51 no.10: 1272-1274 O. '65. (MIRA 18:12)

1. Laboratoriya fiziologii i patologii pishchevareniya Instituta normal'noy i patologicheskoy fiziologii AMN SSSR, Moskva.
Submitted June 5, 1964.

L 08278-67 EWT(1) SCTB DT/GD
ACC NR: AT6036475

SOURCE CODE: UN/0000/66/000/000/0027/0029

15

AUTHOR: Amirov, N. Sh.

ORG: none

TITLE: Absorption of glucose from the small intestine in various gas media
[Paper presented at the Conference on Problems of Space Medicine held in Moscow
from 24-27 May 1966]

SOURCE: Konferentsiya po problemam kosmicheskoy meditsiny, 1966. Problemy
kosmicheskoy meditsiny. (Problems of space medicine); materialy konferentsii,
Moscow, 1966, 27-29

TOPIC TAGS: biologic glucose absorption, hypoxia, hypercapnia, blood chemistry,
hematology

ABSTRACT:

Further studies of the changes observed in resorption from the intestinal lumen and accretion of sugar under hypercapnic (up to 35% CO₂) and hypoxic (10% O₂) conditions, consisting of determination of the sugar and lactic acid content of the blood and intestinal wall during the process of glucose absorption from the lumen, were made. Data obtained were compared with earlier studies on resorption from the lumen and accretion of

Cord 1/4

L 08278-67 -- --
ACC NR: AT6036475

testinal wall decreased. Thus, the additional lactic acid in the blood originates outside the intestine.

During hyperoxia, enhanced resorption from the lumen and increased blood sugar was accompanied by increased sugar in the intestinal wall. Lactic acid in the intestinal wall decreased.

During hypercapnia, besides enhanced resorption from the lumen and simultaneous decrease in blood sugar increment, the accretion of sugar in the tissue of the intestinal wall increased. Blood lactic acid levels were lower than in the control group, while lactic acid in the intestinal wall showed a tendency to increase in some cases and a tendency to decrease in others. These contradictory data are sometimes related to hemodynamic shifts and increased intestinal blood flow evoked by CC_2 , and sometimes to the local toxic effect of CO_2 .

During hypoxia statistically reliable changes in resorption from the intestine were not observed. However, blood sugar increment decreased substantially. The level of lactic acid in the blood was significantly higher than during hypercapnia.

Card 3/4

L 08278-67 -

ACC NR: AT6036475

Comparison of the data obtained for hypercapnia with those obtained for hypoxia suggests that the more intense hyperventilation induced by hypercapnia with a normal O_2 content, unlike that induced by hypoxia, causes absorbed glucose to metabolize to end products. During hypoxia, however, there is probably a partial glycolysis of absorbed glucose in the organism to form lactic acid.

[W.A. No. 22; ATD Report 66-116]

SUB CODE: 06 / SUBM DATE: 00May66

Card 4/4 vmb

AMIROV, N.U.

Comparative anatomy of the arterial system of the thigh. Izv.
AN Turk. SSR. Ser. biol. nauk no.1:54-63 '61. (MIRA 14:8)

1. Turkmenskiy gosudarstvennyy meditsinskiy institut.
(EXTREMITIES, LOWER--BLOOD VESSELS)

AMIROV, N.U.

Variability of the femoral artery in different classes of vertebrate animals. Izv. AN Turk. SSR. Ser. biol. nauk no.4:74-75 '61.
(MIRA 14:10)

1. TurkmenSKIY gosudarstvennyy meditsinskiy institut.
(FEMORAL ARTERY)

AMIROV, N.U.

Blood supply to femoral muscles in dogs. Izv.AN Turk.SSR.Ser.biol.
nauk no.4:86-87 '62. (MIRA 15:9)

1. Turkmenskiy gosudarstvennyy meditsinskiy institut.
(FEMORAL MUSCLE--BLOOD SUPPLY)

AMIROV, P.Z.

Olfactory sensitivity at rest and under the influence of auditory stimuli. Biul. eksp. biol. i med. 48 no. 11: 18-20 N '59.

(MIRA 13:5)

1. Iz elektrofiziologicheskoy laboratorii (zav. - kand. med. nauk P.Z. Amirov) Moskovskogo instituta ukha, gorla i nosa (dir. - zaslushennyi deyatel' nauki, prof. V.K. Trutnev). Predstavlena deystvitel'nyy chlenom AMN SSSR V.V. Parinym.

(SMELL physiol.)

(NOISE effects)

17(1)

SOV/25-59-4-38/44

AUTHOR: Amirov, R., Candidate of Medical Sciences, Director

TITLE: The Origin of the Voice (Kak vznikayet golos)

PERIODICAL: Nauka i zhizn', 1959, Nr 4, pp 77-78 (USSR)

ABSTRACT: In answer to a reader's request the author explains in detail the origin of the human voice.

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First Congress of Hygienists, Epidemiologists, Microbiologists,
and Infectious Disease Specialists of Azerbaijan. Gig. i san.
24 no.7:82-83 J1 '59. (MIRA 12:9)

(PUBLIC HEALTH

congress of epidemiologists, hygienists,
infect. dis. specialists & microbiologists,
report (Rus))

AMIROV, R.Kh.

Course of labor during use of scalp forceps. Kaz.-med.zhur.
40 no.2:53-56 Mr-Apr '59. (MIRA 12:11)

1. Zaveduyushchiy akushersko-ginekologicheskim otdeleniyen.
(LABOR, COMPLICATED) (FORCEPS, OBSTETRIC)

AMIROV, R.Kh.

Three unusual cases of congenital defects in the development
of newborn infants. Vop. okh. mat. i det. 7 no.1:90-91 Ja
'62. (MIRA 15:3)

(MONSTERS)

AMIROV, R.M.

Treatment of diseases of the sacrolumbar part of the peripheral nervous system with naphthalan applications combined with lumbar novocaine block. Sbor. trud. Azerb. nauch.-issl. inst. kur. i fiz. metod. lech. no.9:198-201 '63. (MIRA 18:8)