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24.7700

S/058/62/000/005/085/119
A061/A101

AUTHORS: Aliyev, B. D., Aliyev, G. M., Kerimov, I. G.

TITLE: Effect of some metallic impurities on electrical and thermal properties of hexagonal selenium

PERIODICAL: Referativnyy zhurnal, Fizika, no. 5, 1962, 29, abstract 5E231
("Izv. AN AzerbSSR Ser. fiz.-matem. i tekhn. n.", 1961, no. 4, 37 - 44; Azerb. summary)

TEXT: It is shown that Bi and Cd impurities up to a specific content (0.04% Bi and 0.125% Cd) reduce the thermal conductivity of Se, but raise it if their content is increased further. Bi, Cd, and Ga impurities raise the electrical conductivity of Se. Ga raises it to a higher degree than Bi and Cd. Bi and Cd impurities reduce the thermo-emf of Se, whereas Ga raises it. The thermo-emf of both pure and impurity-containing Se grows with temperature. The sign of the thermo-emf of both pure Se and Se containing Bi, Cd, and Ga impurities, is indicative of the hole mechanism of the carriers.

[Abstracter's note: Complete translation]

Card 1/1

ALIYEV, B.D.; ALIYEV, G.M.; KERIMOV, I.G.

Effect of a gallium admixture and temperature on the thermal conductivity of amorphous and crystalline selenium. Izv. AN Azerb. SSR. Ser.fiz.-mat. i tekhnauk no.5:39-43 '61. (MIRA 15:2)
(Selenium--Thermal properties) (Gallium)

33678

S/058/61/000/012/048/083

A058/A101

76.4421

AUTHORS: Aliyev, B. D., Abdullayev, G. B., Aliyev, G. M., Kerimov, G. I.

TITLE: Electric properties of gallium-doped selenium

PERIODICAL: Referativnyy zhurnal, Fizika, no. 12, 1961, 359, abstract 12E481
(Dokl., AN AzerbSSR, 1961, v. 17, no. 13, 191 - 196, Azerb. summary)

TEXT: The effect of gallium-doping on the electric conductivity σ and thermo-emf α of Se was investigated. Doping with up to 0.125 wt % Ga causes σ of Se to increase almost 160 times, after which σ slowly decreases with increasing Ga content. α of specimens with different Ga content was measured in the range 20° - 200°C. The sign of α always points to p-type conductivity. The temperature dependence of hole mobility μ_p for different Ga content is plotted. In specimens containing 0.125 wt % Ga, μ_p at first decreases sharply, then remains constant. In the rest of the specimens, μ_p increases with temperature.

B. Ol'khov

[Abstracter's note: Complete translation]

Card 1/1

X

ALIYEV, B.D.; ABDULLAYEV, G.B.; ALIYEV, G.M.

Effect of bismuth impurities on the heat conductivity and self-diffusion
of selenium. Trudy Inst. fiz. AN Azerb. SSR 11:5-10 '63.

(MIRA 16:4)

(Selenium--Thermal properties)

(Bismuth)

ALIMEV, B.D. ALIYEV, G.M.

Effect of a cadmium impurity on the thermal and electric conductivity of selenium. Trudy Inst. fiz. AN Azerb. SSR 11:19-24 '63.

(MIRA 16:4)

(Selenium—Thermal properties)

(Selenium—Electric properties)

ALIYEV, B.M.

Expulsion of a bronchial foreign body through the thoracic wall. Klin.med. 36 no.12:103-104 D '58. (MIRA 12:6)

1. Iz Khivskoy rayonnoy bol'nitsy Dagestanskoy ASSR.

(BRONCHI, for. body

spontaneous expulsion through thoracic wall
(Rus))

ALIYEV, B.M.

Determining the quantity and quality of disseminated radiation
in an irradiated medium. Med.rad. 5 no.7:72-77 '60.

(MIRA 13:12)

(RADIATION—MEASUREMENT)

ALIYEV, B.M. (Moskva) D-22, ul.Zamarenova, d.20, kv.5)

Some data on the quality of scattered radiations during X-ray examinations. Vest. rent. i rad. 36 no.6:34-38 N-D '61.

(MIRA 15:2)

1. Iz 1-y kafedry rentgenologii (zav. - zasluzhennyy deyatel' nauki prof. S.A.Reynberg) Tsentral'nogo instituta usovershenstvovaniya vrachey i dozimetricheskogo otdeleniya (zav. - dotsent A.N.Krongauz) Gosudarstvennogo rentgeno-radiologicheskogo nauchno-issledovatel'skogo instituta Ministerstva zdravookhraneniya RSFSR.

(DIAGNOSIS, RADIOSCOPIC) (X RAYS--SCATTERING)

ALIYEV, B.M.

Integral absorption dose in the gonadal region during X-ray
examinations of the stomach and lungs. Med.rad. no.1:53-62
'62. (MIRA 15:1)

1. Iz 1-y kafedry rentgenologii i radiologii (zav. - zasluzhennyy
deyatel' nauki prof. S.A. Reynberg) Tsentral'nogo instituta us-
vershenstvovaniya vrachey i dozimetricheskogo otdela (zav. -
dotsent A.N. Krongauz) Gosudarstvennogo nauchno-issledovatel'-
skogo instituta rentgenologii i radiologii Ministerstva zdravookh-
raneniya RSFSR.

(LUNGS--RADIOGRAPHY) (STOMACH--RADIOGRAPHY)
(GENERATIVE ORGANS--RADIOGRAPHY)

KRONGAUZ, A.N.; ALIYEV, B.M.

Influence of field dimensions on the effectiveness of the
method of radiation in static distance X-ray and gamma
therapy. Med. rad. 8 no.2:10-12 F'63 (MIRA 16:11)

1. Iz otdela klinicheskoy dozimetrii Nauchno-issledova-
tel'skogo instituta rentgenologii i radiologii Ministerstva
zdravookhraneniya RSFSR i kafedry rentgenologii (zav. - prof.
S.A.Reynberg) Tsentral'nogo instituta usovershenstvovaniya
vrachey.

*

ALIYEV, B.M.; VLASOV, P.V.

Work of the traveling teams of roentgenologists from the Central Institute for the Improvement of Physicians' Qualifications. Vestn. rent. i rad. 28 no.2:66-67 M-Ap'63.

(MIRA 16:9)

1. Iz 1-y kafedry rentgenologii i meditsinskoy radiologii (zav. - zaslužheanny deyatel' nauki prof. S.A.Reynberg) i 2-oy kafedry rentgenologii i meditsinskoy radiologii (zav. prof. Yu.N.Sokolov) Tsentral'nogo instituta usovershenstvovaniya vrachev.

(RADIOLOGISTS)

ALIYEV, B.M.

Apropos the article "Partial protection of the patient and physician from radiation in X-ray examinations" by V.A. Guliaev. Vest. rent. i rad. 38 no.6:66 N-D '63. (MIRA 17:6)

1. Iz rentgeno-radiologicheskogo otdela (zav.- zasluzhennyy deyatel' nauki prof. I.L. Tager) Nauchno-issledovatel'skogo instituta eksperimental'noy i klinicheskoy onkologii (direktor-deystvitel'nyy chlen AMN SSSR prof. N.N. Blokhin) AMN SSSR.

ALIYEV, B.M.; NABKIN, I.Ye.

Use of supplementary filters to decrease irradiation doses in ordinary radiography and some special methods of examination. Vest. rent. i rad. 39 no.6:72-74 N-D '64.

(MIRA 18:6)

1. 1-ya kafedra rentgenologii i radiologii (zav. - zasluzhennyy deyatel' nauki prof. S.A.Reynberg) Tsentral'nogo instituta usovarsheystvovaniya vrachey i gosital'noy khirurgicheskoy klinika (zav. - deyatel'nyy chlen AMN SSSR prof. B.V.Petrovskiy) I Moskovskogo ordena Lenina meditsinskogo instituta.

ALIYEV, B.M.; MISYUNAS, I.I.; KAVESHNIKOVA, S.V.; SIZOV, P.P.

Work of a group in charge of the dosage control in large focus gamma therapy. Med. rad. 10 no. 12:13-21 D '65 (MIRA 19:1)

1. Rentgeno-radiologicheskiy otdel (zav. - prof. I.I. Tager)
Instituta eksperimental'noy i klinicheskoy onkologii AMN SSSR
i 62-ya Gorodskaya klinicheskaya onkologicheskaya bol'nitsa,
Moskva.

ALIYEV, B.M.

Maximum field moisture and porosity of soils along the lower reaches
of the Karkar River. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no. 1:
91-98 '60. (MIRA 14:5)

(KARKAR VALLEY—SOIL MOISTURE)

ALIYEV, B.M.

Moisture conditions of soils in the lower Karkara-Chay Valley
under different farm crops. Izv. AN Azerb. SSR, Ser. biol. i
med. nauk no. 5:67-76 '60. (MIRA 14:9)
(KARKARA-CHAY VALLEY--SOIL MOISTURE)

ALIYEV, B. M.

Cand Agr Sci - (diss) "Water properties and water condition of soils of the Karkar River in connection with problems of irrigation (in the limits of the foothill plain)." Baku, 1961. 23 pp; (Committee of Higher and Secondary Specialist Education of the Council of Ministers Azerbaydzhan SSR, Azerbaydzhan State Univ imeni S. M. Kirov); 150 copies; price not given; (KL, 10-61 sup, 220)

GUSEYNOV, G.M., kand.sel'skokhoz.nauk (Baku); ABDINOV, M.M., kand.
sel'skokhoz.nauk (Baku); ALIYEV, B.M., aspirant (Baku)

Irrigation of cotton with the DDA-100M sprinkler unit in the
Kura-Aras Lowland. Gidr. i mel. 13 no.12:21-33 D '61.

(MTRA 14:12)

(Kura Lowland--Cotton--Irrigation)
(Sprinkler irrigation)

ALIYEV, B.M. .

Soil cover of the lower Karkar Valley in the Karabakh Steppe.
Izv.AN Azerb.SSR.Ser.biol.i med.nauk. no.5:77-84 '62.

(MIRA 15:9)

(KARAKARA-CHAY VALLEY--SOILS)

COUNTRY	: USSR	
CATEGORY	: Plant Physiology. Mineral Nutrition.	I
ABS. JOUR.	: RZhBiol., No. 6 1959, No. 24544	
AUTHOR	: <u>Aliyev, Ch. A.</u>	
INST.	: Academy of Sciences, Azerb. SSR	
TITLE	: Influence of Molybdenum and Cobalt On Oxygen Reduction Processes In Plants	
ORIG. PUB.	: Dokl. AN, Azerb. SSR, 1958, 14, No. 6, 465-469	
ABSTRACT	: In field experiments Mo caused a considerable increase of ascorbic acid content and peroxidase activity in leaves of wheat during grain ripening and also a sharp increase of iodine reducing activity, ascorbic acid content, catalase activity, and r a t e of photosynthesis in cotton during boll formation. Under the influence of Co an increase of catalase activity was observed in cotton; the influence of Co on the other characteristics of wheat and cotton studied was negligible.— M. B. Shternberg.	
CARD:	1/1	

COUNTRY :
 CATEGORY :
 1
 ABS. JOUR. : RZhBiol., No. 1959, No. 10611
 AUTHOR :
 INST. :
 TITLE :
 ORIG. PUB. :
 ABSTRACT : produced a decrease in the water content in winter. B produced an increase and Mn, Cu, and Zn - a decrease in the transpiration in winter period. All of the microelements (especially Mn and Cu) produced a considerable decrease in the loss of water by wilted leaves. Mn and Cu raised the concentration of the cell sap; B and Zn did not show a similar effect. Conclusion is made that an increase in the waterholding power in wheat leaves under the influence of B and Zn is explained by an increase in the amount of hydrophilic colloids, and under the influence of

CAND: 2/5

ABUTALYBOV, M.; ALIYEV, D.; GASANOV, R.; TAIRBEKOV, M.

Effect of microelements on photosynthesis in cotton leaves. Uch.
zap. AGU. Biol. ser. no.5:35-42 '59. (MIRA 15:5)
(TRACE ELEMENTS) (PHOTOSYNTHESIS)
(COTTON--FERTILIZERS AND MANURES)

ALIYEV, D. A. Cand Biol Sci -- "Flora and vegetation of sweet-water reservoirs of Talysh and their economic ^{value} importance." Baku, 1961 (~~Ministry~~ Committee of Higher and Secondary Specialized Education of the Council of Ministers of the Azerbaijan SSR. Azerbaydzhan Agr Inst). (KL, 4-61, 191)

-120-

GASYMOV, M.A.; ALIYEV, D.A.

Biological and ecological characteristics and distribution of some
species of the treacle mustard (*Erysimum*) occurring in Azerbaijan
[in Azerbaijani with summary in Russian]. Uch.zap.AGU no.11:51-57
'55. (MLRA 9:11)

(Azerbaijan--Treacle mustard)
(Cardiac glycosides)

ALIYEV, D. A.

ABUTALYBOV, M.G.; ALIYEV, D.A.; RZAYEV, N.D.

Effect of trace elements on the carbohydrate and protein metabolism
of plants. Uch.zap.AGU no.8:41-51 '56. (NLRA 10:4)
(Plants, Effect of minerals on) (Carbohydrate metabolism)
(Protein metabolism)

ALIXEV, D.A.

Occurrence of the fern *Cheilanthes persica* (Bory) Metten in the
eastern part of Azerbaijan. Uch.sap.AGU no.3:71-73 '56.

(MLRA 10:4)

(Azerbaijan--Ferns)

14-57-7-15075
Translation from: Referativnyy zhurnal, Geografiya, 1957, Nr 7,
p 144 (USSR)

AUTHOR: Aliyev, D. A.

TITLE: Apsheron Cliff Vegetation as a Decorative Plant Cover
(Skal'naya rastitel'nost' Apsherona i znachenie yeye
dlya ozeleneniya)

PERIODICAL: Uch. zap. Azerb. un-t, 1956, Nr 6, pp 51-58

ABSTRACT: Vegetation growing on rocky and stony outcrops of
Apsheron and of southeastern Kabristan in Eastern
Transcaucasia assumes a very wide variety of forms.
It is represented by the following species: trees--
Caucasian hackberry, smooth hackberry, and tannic
sumach; shrubs--Caucasian juniper, Pallas buckthorn,
clustered cotoneaster, Kuzmich grass, dwarf cherry,
Georgian mezereon, jasmine, and Caspian astragalus;
semi-shrubs--Karyagin summer savory, felt germander;

Card 1/2

14-57-7-15075

Apsheron Cliff Vegetation (Cont.)

perennial grasses--trailing woodruff, Shovits stipae, curling stipae; ferns--Ceterach officinarum, Asplenium, Ruta, muraria, Anogramma leptophyllum, Cheilanthes persica. Ephemeral plants grow among the outcrops. Typical rock cover of such places is represented by lichens, the most common of which are Caloplaca aurantia, Xanthoria calciola, Tokinia coeruleo nigrans, Fulgenisia bylgens, Placodium lentigerum, and others. The author describes those species which would serve best as decorative plants for the dry slopes near the city of Baku and elsewhere in Apsheron. The article includes sketches.

Card 2/2

V. M.

ALIYEV, D.A.

Effect of trace elements on the lodging of wheat [in Azerbaijani
with summary in Russian]. Dokl.AN Azerb.SSR 12 no.12:999-1004

'56.

(MLRA 10:8)

(Plants, Effect of copper on) (Plants, Effect of manganese on)
(Wheat)

COUNTRY : USSR
 CATEGORY : Cultivated Plants. Cereals.
 ABS. JOUR. : RZhBiol., No.23, 1958, No. 104612
 AUTHOR : Aliyev, D.
 INST. : Academy of Sciences, Azerbaijan SSR.
 TITLE : The Influence of Microelements on the Development and
 Yield of Wheat.
 ORIG. PUB. : Tr. 5-y Nauchn. konferentsii aspirantov AN AzerbSSR. Baku,
 AN AzerbSSR, 1957, 241-253
 ABSTRACT : Data of the Institute of Agriculture, Academy of Sciences
 Azerbaydzhan SSR. The influence of B, Mn, Cu, and Zn added
 to a background of nitrogen and phosphoric fertilizers was
 studied. These elements improved the wintering of the
 plants, accelerated growth, the vigor of tillering (espe-
 cially Mn and Cu) and the ripening of the grain (Cu). Un-
 der the influence of Zn and then B, the number of the ker-
 nels on the spike increased. Application of different mi-
 croelements is reflected differently on the water cycle of

Card: 1/2

10

COUNTRY :	
CATEGORY :	M
ABS. JOUR. :	EZhBiol., No.23, 1958, No. 104612
AUTHOR :	
INST. :	
TITLE :	
ORIG. PUB. :	
ABSTRACT :	the plants. With the background of nitrogen and phosphoric fertilizers, the requirement of wheat for microelements increases. Their application at different stages of the development of wheat produces a considerable increase in the yield: average increase due to Mn and Cu - 3.5 centners/ha, Zn - 3 centners/ha and B - 2 centners/ha. The best effect, especially in droughty years, is achieved with small doses. *- V. A. Vnuchkov

Card:2/2

ALIYEV, D.A.

Effect of trace elements on water conditions in wheat [in
Azerbaijani with summary in Russian]. Uch.zap.AGU no.12:80-91
'57. (MIRA 12:1)

(Wheat) (Plants, Effect of metals on)

ALIYEV, D.A.

Vegetation of moist habitats of the Apsheron Peninsula [in
Azerbaijani with summary in Russian]. Uch. zap. AGU no.1:103-108
'58. (MIRA 12:1)
(Apsheron Peninsula--Vegetation)

ALIYEV, D.A.

Occurrence of the liverwort *Ricciocarpus natans* (L.) Corda in Azerbaijan.
Uch.zap.AGU no.3:41-43 ' 58. (MIRA 12:1)
(Azerbaijan--Marchantiales)

ALIYEV, D.A.

Effect of molybdenum, cobalt, and other trace elements on wheat
crops [in Azerbaijani with summary in Russian]. Dokl. AN Azerb.
SSR. 14 no.4:333-337 '58. (MIRA 11:5)
(Soil chemistry) (Wheat)

ALIYEV, D.A.

Effect of molybdenum and cobalt on oxidation-reduction processes in
plants [in Azerbaijani with summary in Russian]. Dokl. AN Azerb. SSR
14 no.6:465-469 '58. (MIRA 11:7)

(Plants, Effect of molybdenum on)

(Plants, Effect of cobalt on)

(Oxidation-reduction reaction)

ALIYEV, D.A.; LAPINA, S.D.

Thermal depolymerization of an alkali polymer of pyrolysis production.
Nefteper. i neftekhim. no.7:16-19 '64. (MIRA 17:11)

1. Bakinskiy zavod "Neftegaz".

ALIYEV, D.A.

New and rare species in the flora of the U.S.S.R., the Caucasus,
and Azerbaijan. Uch. zap. AGU. Biol. ser. no.4:27-34 '59.
(MIRA 15:5)

(FRESHWATER FLORA)

ALIYEV, D.A.

Aquatic and swamp plants of Lenkoran Lowland, their biological and
ecologic characteristics and distribution in water meadows. uch.
zap. AGU. Biol. ser. no.6:33-37 '59. (MIRA 15:5)
(LENKORAN LOWLAND--AQUATIC PLANTS)

ALIYEV, D.A.

Filling of Lake Mortsso (Lenkoran Lowland) with aquatic vegetation.
Uch. zap. AGU. Biol. ser. no.1:15-24 '60. (MIRA 14:5)
(MORTSO, LAKE--FRESH-WATER FLORA)

MILIN, D.A.

Effect of trace elements on the growth and development of winter wheat. Dokl. An. Akad. Nauk SSSR 16 no. 12:1211-1215 '60.

(MIRA 14:2)

(Wheat) (Trace elements)

ALIYEV, D. A., ABUTALYBOV, M. G., (USSR)

"The Effects of Micro-Elements on Photosynthesis and
Carbohydrate Metabolism in Plants."

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

ALİYEV, D.A.

Effect of nitrogen nutrition on the biosynthesis of ascorbic
acid in plants. Dokl. AN Azerb. SSR 17 no.9:727-731 '61.
(MIRA 14:19)

(Ascorbic acid)
(Plants, Effect of nitrogen on)

ALIYEV, D.A.

Effect of microelements on the breathing of the conducting
tissues of the cotton plant. Dokl.AN Azerb.SSR 17 no.7:613-
616 '61. (Cotton) (Botany--Anatomy) (MIRA 14:10)

ALIYEV, D.A.

A new species of the genus Smilax L. from Azerbaijan. Bot. mat.
Gerb. 21:80-82 '61. (MIFA 14:10)
(Azerbaijan--Greenbrier)

ALIYEV, D.A.

Filling of the Maly Kuzyl Agach Gulf with aquatic vegetation. Nauch.
dokl. vys. shkoly; biol. nauki no.2:134-136 '62. (MIRA 15:5)

1. Rekomendovana kafedroy morfologii i sistematiki rasteniy
Azerbaydzhanskogo gosudarstvennogo universiteta im. S.M.Kirova.
(MALYY KYZYL-AGACH GULF--BOTANY)

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

Microelements in the nitrogen metabolism of plants. Izv.AN
Azerb.SSR.Ser.biol.i med.nauk no.4:31-42 '62. (MIRA 15:12)
(PLANTS, EFFECT OF TRACE ELEMENTS ON)
(NITROGEN METABOLISM)

ALIYEV, D.A.

Cryoscopic method for the determination of the purity of
benzene. Neftoper. i neftekhim. no.5:31-34 '63. (MIRA 17:8)

1. Bakinskiy zavod "Neftegaz".

ALIYEV, D.A.; ALIYEVA, S.G.; LOTKOVA, L.M.; DUBROVKO, R.V.

Investigating the thermal depolymerization of styrene tar.
Nefteper. i neftekhim. no.7:32-36 '63 (MIRA 17:7)

1. Bakinskiy zavod "Neftegaz".

ALIYEV, D.A.

Activity of cytochrome oxidase in plants and the effect of
microelements on it. Dokl. AN Azerb. SSR 19 no.9:81-83 '63.
(MIRA 17:8)

1. Azerbaydzhanskiy nauchno-issledovatel'skiy institut zemle-
deliya. Predstavleno akademikom AN AzSSR G.A. Aliyevym.

ALIYEV, D.A.

Pyroburner having two functions. Nefteper. i neftekhim. no.2:
38-40 '64. (MIRA 17:8)

1. Bakinskiy zavod "Neftegaz".

ALIYEV, D.A.; AKHMETOV, Sh.P.; MAMEDOVA, V.D.

Metastatic method for the quantitative determination of diphenyl bearing products. Nefteler. i neftekhim. no.5:28-30 '64.

(MIRA 17:8)

1. Bakinskiy saved "Neftogaz".

ALIYEV, D. A.

Effect of microelements on the activity of cytochrome oxidase
of plants. Dokl. AN SSSR 156 no. 1:207-208 My '64. (MIRA 17:5)

1. Nauchno-issledovatel'skiy institut zemledeliya, Baku.
Predstavleno akademikom A. L. Kursanovym.

ALIYEV, D.A.; ALIYEVA, S.G.; DUBROVKO, R.V.

Methods for refining and using the tar from the dehydrogenation
of ethyl benzene into styrene. Nefteper. i neftekhim. no.12;
32-35 '64. (MIRA 18:2)

1. Bakinskiy zavod "Neftegaz."

ISMAILOV, R.G.; DALIN, M.A.; ALIYEV, D.A.; IVANOVA, T.M.

Thermal stabilization of a crude wide aromatic fraction of
pyrolysis products. Izv. vys. ucheb. zav.; neft' i gaz 8
no.2:51-54 '65. (MIRA 18:3)

1. Azerbaydzhanskiy institut nefti i khimii im. M. Azimbekova
i Sovet narodnogo khozyaystva AzerbSSR.

AKHMEDOV, Sh.T.; ALIYEV, D.A.; MAMEDOVA, V.D.; TUZOVA, N.V.

Cryoscopic method for determining the isomer content in xylene.
Nefteper. i neftekhim. no.4:42-44 '65.

(MIRA 18:5)

1. Bakinskiy zavod "Neftegaz".

ALIYEV, D.A.

Catalytic processing of tar obtained in the dehydrogenation of butane. Nefteper. i neftekhim. no.1:33-37 '65.

(MIRA 1886)

1. Bakinskiy zavod "Neftegaz".

ALIYEV, D.A.

Effect of microelements on the activity of respiratory enzymes
in conducting cotton tissues. Dokl. AN Azerb. SSR 21 no.7:64-
67 '65. (MIRA 18:12)

L 42867-66 EWT(1)

ACC NR: AR6017222

SOURCE CODE: UR/0058/65/000/012/B011/B011

AUTHOR: Aliyev, D. A.; Lyakishev, V. S.

ORG: none

TITLE: Potential on the axis of a conducting circular cylinder of finite length, neglecting the edge effect

SOURCE: Ref. zh. Fizika, Abs. 12B122

REF SOURCE: Tr. po teorii polya, vyp. 1, 1964, 19-25

TOPIC TAGS: ^{2/}electric potential, distribution function, charge density, ~~conducting circular cylinder~~, edge effect, ~~electric conduction~~, absorption edge

ABSTRACT: The potential has been found on the axis of a circular cylinder of finite length, neglecting the function of the electric-charge distribution on the surface, when the surface density is assumed to be constant. [Translation of abstract] [NT]

SUB CODE: 20/ ~~SUBM DATE: none/~~ ~~ORIG REF: none/~~ ~~SOV REF: none/~~
~~OTH REF: none/~~

Cord 1/1 *hkh*

ALIYEV, D.A.

Efficiency promoters of the Budennyi Petroleum and Gas Refinery.
Neftianik 1 no.10:29-30 0 '56. (MLBA 9:11)

1. Nachal'nik glavnoy laboratorii Bakinskogo zavoda Neftegaz.
(Petroleum--Refining)

ALIYEV, D.

Worthy of the title of innovator. Neftianik 1 no.12:28-29 D '56.
(MIRA 12:3)
(Petroleum refineries--Equipment and supplies)

ALIYEV, D.A.

ALIYEV, D.A.

Ethylene, a valuable raw material for the chemical industry.
Neftianik 2 no.8:30-31 Ag '57. (MIRA 10:10)

1. Nachal'nik laboratorii Bakinskogo zavoda "Neftegaz."
(Ethylene)

ALIYEV, D.A.

Our work practice. Neftianik 2 no.10:15-16 0 '57. (MIRA 10:12)

1. Nachal'nik laboratorii bakinskogo zavoda Neftegaz.
(Baku--Petroleum--Refining)

Aliyev, D.A

AUTHORS: Sokolov, V. V., and Aliyev, D. A.

TITLE: Brief Communications - about Furnaces (Korotkiye soobshcheniya)

PERIODICAL: Zavodskaya Laboratoriya, 1957, Vol. 23, No. 1, p. 115 (U.S.S.R.)

ABSTRACT: Sokolov suggests that worn-out rods from small high-temperature furnaces be reconditioned and used. Aliyev constructed and used new supports for work with a number of dividing hoppers and settling trays of furnaces. There are no tables, figures or references.

ASSOCIATION:

PRESENTED BY:

SUBMITTED:

AVAILABLE:

Card 1/1

ALIYEV, D.A.

Dehydrating green oil by filtering. Dckl. AN Arm 24 no. 2:8-10
'57. (MIRA 10:4)

1. Nachal'nik glavnoy laboratorii zavoda "Neftegaz" im. Budennogo
(Petroleum --Refining)

ALIYEV, D.A.

Improving pyrolysis installations. Azerb. neft. khoz. 36 no.10:33-34
0 !57: (MIRA 11:2)

(Distillation apparatus)

SOV/68-58-9-15/21

AUTHOR: Aliyev, D.A.

TITLE: The Use of Flame instead of Steam Heating on a Primary Rectification Plant for Light Pyrolysis Oil (Primeneniye v pervichnoy rektifikatsionnoy ustanovke dlya piroliznogo legkogo masla ognеvogo podogreva vzamen parovogo)

PERIODICAL: Koks i Khimiya, 1958, Nr 9, pp 53-56 (USSR)

ABSTRACT: Experience in the treatment of petroleum light oil similar in composition to raw benzole in a pipe still is described. After successful initial experiments on a laboratory installation (Tables 1 and 2) the primary rectification plant for light pyrolysis oil on the "Neftegaz" works was transferred from steam to flame heating. The scheme of the installation is outlined. The economy achieved in the first year of operation amounted to 350,000 roubles. There are 2 tables and 7 references (all Soviet)

ASSOCIATION: Bakinskiy zavod "Neftegaz" (Baku Works "Neftegaz")

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15(7)

SOV/92-58-12-8/24

AUTHOR: Aliyev, D.A. Engineer

TITLE: New Flow Scheme for Production of Petroleum Varnish Oil (Novaya skhema proizvodstva neftyanogo lakoylya)

PERIODICAL: Neftyanik, 1958, Nr 12, pp 11-13 (USSR)

ABSTRACT: According to this article, the best way to protect petroleum equipment from corrosion is to coat it with some sort of paint or varnish. The production of paint and varnish requires, however, a considerable quantity of vegetable oil which is badly needed as food stuff. Therefore it is desirable to use some kind of synthetic petrochemical product as a substitute. One of these synthetic products, which easily forms a film, is the petroleum varnish oil produced in pyrolysis plants from sour goudron and alkaline pyropolymer. This is described by the author and shown in the flow chart of (Fig. 1). Tables 1 and 2 present the characteristics of the sour goudron and alkaline pyropolymer used for production of the varnish oil. When the latter is produced in accordance with the flow scheme shown in (Fig. 1), its water content reaches 6 - 10 percent. This is undesirable, as is the presence of sodium bisulfate which is formed during the neutralization of sour polymer effected with the aid of alkaline polymer. Therefore, a group of engineers of the Baku Plant "Neftegaz"im. Badenny proposed substituting the original

Card 1/2

New Flow Scheme for Production (Cont.)

80V/92-58-12-8/24

flow scheme with the revised flow scheme shown in (Fig.2). As a result of this proposal, the quality of varnish oil was improved, the throughput of the equipment increased, and the number of repairs needed by the equipment dropped. In Table 3 the author indicates properties of the solvent "nafta", and in Table 4 the properties of the finished varnish oil. There are 2 figures and 4 tables.

ASSOCIATION: Bakinskiy zavod Neftegaz im. S.M. Budennogo (The Baku Plant "Neftegaz" im. Budennyi).

Card 2/2

ALIYEV, D.A.

Improved apparatus for a quantitative determination of water in
petroleum products. Azerb.neft.khoz. 37 no.8:42 Ag '58.

(MIRA 11:11)

(Petroleum products--Analysis) (Chemical apparatus)

ALIYEV, D.A.

Improving the method for determining the content of hydrocarbons capable of undergoing the sulfonation in benzene, toluene, and xylene. Izv.vys.ucheb.zav.; neft' i gaz 2 no.12:83-88 '59.
(MIRA 13:5)

1. Azerbaydzhanskiy institut nefti i khimii imeni M. Azizbekova.
(Hydrocarbons) (Sulfonation)

ALIYEV, D.A.

Pyrolysis of petroleum liquid fractions. Azerb.neft.khoz. 38 no.4:
36-39 Ap '59. (MIRA 12:7)
(Petroleum products) (Pyrolysis)

ALIYEV, D.A.

Determining the isomers of xylene in the pyrolysis tar obtained
from the industrial pyrogenation of refinery gases. Azerb.
neft.khoz. 38 no.11:39-41 N '59. (MIRA 13:5)
(Xylene)

S/152/60/000/012/004/007
B027/B068

AUTHOR: Aliyev D. A.

TITLE: Pyrolysis of the Gas Condensate From the Karadag Deposit and of the Gasoline Fraction Recovered From a Mixture of This Condensate With Petroleum for the Purpose of Xylene Production

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Neft' i gaz, 1960, No. 12, pp. 79 - 83

TEXT: The authors performed laboratory experiments in order to establish which raw material and which optimum temperatures in pyrolysis are most appropriate for the production of xylene. Since the pyrolysis of light crude material is highly important, a condensate recovered from Karadag gas well and a gasoline fraction were used. Pyrolysis was performed with and without water vapor (10%) at temperatures ranging from 700 to 770°C in a laboratory-type or combined unit; the latter consists of two interconnected pipe stills. In the first, overheated water vapor is generated, Card 1/2

Pyrolysis of the Gas Condensate From the
Karadag Deposit and of the Gasoline Frac-
tion Recovered From a Mixture of This
Condensate With Petroleum for the Purpose
of Xylene Production

S/152/60/000/012/004/007
B027/B068

while pyrolysis is performed in the second one. A xylene fraction was recovered from the material in question, which is suitable for isolating the xylene isomers. Optimum temperature, at which the highest xylene-fraction yields (2 - 2.4%) are obtained, is 740°C. There are 1 figure, 3 tables, and 5 Soviet references.

ASSOCIATION: Azerbaydzhanskiy institut nefi i khimii im. M. Azizbekov
(Azerbaydzhani Institute of Petroleum and Chemistry imeni
M. Azizbekov)

SUBMITTED: January 5, 1960

Card 2/2

ISMAILOV, R.G.; ALIYEV, D.A.

Composition of pyrogenic xylene in relation to pyrolysis
temperature. Inv. vys. ucheb. zav.; neft' i gaz 3 no.5:83-85
'60. (MIRA 15:6)

1. Azerbaydzhanskiy institut nefti i khimii imeni
M. Azizbekova.
(Pyrolysis) (Xylene)

ALIYEV, D.A.

Pyrolysis of a wide fraction of petroleum from oil sands. Azerb.
neft.khoz. 39 no.8:35-37 Ag '60. (MIRA 13:11)
(Pyrolysis) (Petroleum)

ISMAYLOV, R.G.; ALIYEV, D.A.

Analysis of light oils from the various stages of pyrolysis for the
content of xylene isomers. Azerb. neft. khoz. 39 no.10:35-36 O '60.
(MIRA 13:11)

(Petroleum products)

ALIYEV, D.A.

Study of tars obtained in the industrial dehydrogenation of butane
into butylene. Azərb. neft. khoz 40 no.11:37-39 N '61.

(MIRA 15:1)

(Tar) (Butane) (Dehydrogenation)

ISMAILOV, R.G.; SULTANOV, Z.A.; ALIYEV, D.A.; Prindmali uchastiyel
GOL'SHTEYN, G.; IVANOVA, T.; REVYAGINA, K.; GUREVICHEV, A.;
ALIYEVA, S.; DZHAFAROVA, M.

Selecting the crude oil for the production of petroleum electrode
coke. Khim.i tekhn.topl.i masel 7 no.2:25-29 F '62.

(MIRA 15:1)

1. Sovnarkhoz Azerbaydzhanskoy SSR i Bakinskiy zavod "Neftegaz".
(Petroleum coke)

ALIYEV, D.A.; TUZOVA, N.V., khimik

Use of the chromatographic method for analyzing pyrolysis gas.
Neftianik 7 no.9:14-15 S '62. (MIRA 16:7)

(Pyrolysis) (Chromatographic analysis)

ALIYEV, D.A.

Device for determining the water content in petroleum products.
Nefteper. i neftekhim. no.1:25-27 '63. (MIRA 16:10)

1. Bakinskiy zavod "Neftegaz."

ALIYEV, D.A.; AGAYEVA, Z.G.; LAPINA, S.D.; TAGIYEVA, G.T.

Apparent and bulk densities of petroleum coke. Nefteper. i
neftekhim. no. 3:24-25 '64. (MIRA 17:5)

1. Bakinskiy zavod "Neftegaz".

ACCESSION NR: AP4026850

S/0065/64/000/004/0030/0032

AUTHORS: Aliyev, D.A.; Aliyeva, S.G.; Snyatkova, L.K.

TITLE: Investigation of the water condensate from the gas separator of pyrolysis equipment

SOURCE: Khimiya i tekhnologiya topliv i masel, no. 4, 1964, 30-32

TOPIC TAGS: pyrolysis, by product, condensate, composition, stability, thermooxidation, atomic oxygen formation, free radical formation, acid, ketone, alcohol, water vapor decomposition, heat transfer agent, hydrocarbon, hydrocarbon pyrolysis, high temperature pyrolysis

ABSTRACT: The composition of the water condensate from the bottom of a gas separator of a pyrolysis apparatus was examined to determine the nature of the synthesis products, to determine the stability of the condensate on storage and to confirm the assumption that thermo-oxidative reactions occur as a result of atomic oxygen from the water vapor (Aliyev, V.S., Kasimova, N.P., Al'tman, N.B. Vliyaniye vodyanogo para na vy*sokotemperaturnyy kreking gasoylya. "Effect of water vapor on high temperature cracking of gas oil." Khim. i.

Cord. 1/3

ACCESSION NR: AP4026850

tekhnol. topliv i masel No. 8, 1958). The condensate is a slightly emulsified milky material, $n_D^{20} = 1.3338$. On storage, a number of color changes occur but there is no change in refractive index. These changes are attributed to small amounts of free radicals and condensed high molecular aromatic hydrocarbons. The aqueous condensate contains a definite amount of oxygen-containing compounds of different classes: acids (up to 800 mg/l, formic, acetic, propionic and small amounts of butyric and other high molecular acids), ketones (0.25 wt.%, acetone, methylethylketone, diethylketone, and small amounts of higher ketones), and alcohols (0.015-0.9366 wt.%, methanol, ethanol, propanol, isopropanol, some butanol and higher alcohols). This indicates side reactions in the pyrolysis process involving oxygen formed by the decomposition of water vapor to its components. This refutes the opinion (Ostgaus, K.G., Zhurnal "Neftekhimicheskiy sintez za rubezhom" "Petrochemical synthesis abroad". vy*p. 5, ITEIneftegaz, 1962, str. 50-56) that in high temperature pyrolysis of hydrocarbons the role of a heat transfer agent is fulfilled solely by water vapor. Orig. art. has: 2 tables.

Card. 2/3

ACCESSION NR: AP4026850

ASSOCIATION: Bakinskiy zavod "Neftegaz" (Bakin "Petrogas" Plant)

SUBMITTED: 00

DATE ACQ: 28Apr64

ENCL: 00

SUB CODE: CH

NR REF SOV: 010

OTHER: 003

Card 3/3

ALIYEV, D.A.; SNIYATKOVA, L.K.

Using seawater for recovering sodium-cation filters. Nefteser. i
neftekhim. no.3:29-32 '63. (MIRA 17:9)

1. Bakinskiy zavod "Neftegaz".

ALIYEV, D.A.

Improve design of packing for rectification columns. Neftes-
per. i neftekhim. no.4:37-39 '63 (MIRA 17:7)

1. Bakinskiy zavod "Neftegaz".

ALIYEV, D.A.; ALIYEVA, S.G.; SNYATKOVA, L.K.

Investigating a water condensate of a gas separator of a
pyrogenic unit. Khim. i tekhn. topl. i masel 9 no.4:30-38
Ap '64. (MIRA 17:8)

1. Bakinskiy zavod "Neftegaz".

ALIYEV, D.A.; AKHMEDOV, Sh.T.; MAMEDOVA, V.D.

Cryscopic determination of the purity of naphthalene. Izv. vys. ucheb.
zav.; neft' i gaz 7 no.2:65-66 '64. (MIRA 17:10)

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

SULTAROV, F.A.; ALIYEV, D.A.; LAPINA, S.P.

Increasing the reserves of hydraulic tar, the raw stock for
ashless coke. Nefteper. i neftekhim. no.10:25-27 '64.

(MIRA 17:12)

1. Bakinskiy zavod "Neftegaz".

L 45751-65 EWP(m)/EWP(j) Fe-4 RM

ACCESSION NR: AP5014794

UR/0318/64/000/012/0032/003

AUTHOR: Aliyev, D. A.; Aliyeva, S. G.; Dubrovko, R. V.

TITLE: Methods of conversion and utilization of resin formed in the dehydrogenation of ethylbenzene to styrene

SOURCE: Neftepererabotka i neftekhimiya, no. 12, 1964, 32-35

TOPIC TAGS: polystyrene, benzene, dehydrogenation

Abstract: Styrene resin forms in the dehydrogenation of ethylbenzene to styrene. Its amount is 3.5-4% with reference to styrene. Ways of utilizing this resin without thermal depolymerization were investigated. Styrene resin with a molecular weight of 405, stripped of styrene by steam distillation and combined with 80% xylene or other hydrocarbon solvents, was not a suitable material for finished insulating varnishes with respect to appearance and (on one sample) drying time, but may still present possibilities from the standpoint of application in varnishes. A polymer fraction of the resin with a molecular weight of 933 was separated from the resin in an amount of 46-50% by treatment with gasoline, in which this fraction was insoluble. This polymer fraction proved a good material for the compression molding of plastic articles for industrial use. The obtained plastic soft-

Card 1/2

1. 45751-65

ACCESSION NR: AP5014794

ened at 85-100° and had a high dielectric constant. It was insoluble in acids and alkalis, straight-run gasoline, and alcohols, but readily soluble in aromatic hydrocarbons. Orig. art. has 3 figures and 1 table.

ASSOCIATION: Bakinskiy zavod "Neftegaz" (Neftegaz Plant, Baku)

SUBMITTED: 00

ENCL: 00

SUB CODE: 00, 00

NO REF SOV: 009

OTHER: 000

JPRS

Card

8563
2/2

ALIYEV, D.A.

Overgrowth of rivers in Lenkoran Lowland. Izv. AN Azerb. SSR.
Ser. biol. nauk no.1:25-28 '65. (MIRA 18:5)

ALYEV, D.F.

Results of testing silage corn varieties under conditions of
irrigation and dry farming in the Karabakh Lowland. Trudy Inst.
gen. i sel. AN Azorb. SSR 1:107-113 '59. (MIRA 13:3)
(Karabakh Steppe--Corn (Maize)--Varieties)

ALIYEV, D.F.

Selecting corn varieties for the lowland zone of Karabakh,
Azerbaijan S.S.R. Trudy Inst. gen. i sel. AN Azerb. SSR 1:114-118
'59. (MIRA 13:3)

(Karabakh Steppe--Corn (Maize)--Varieties)

ALIYEV, D. F., Cand Biol Sci (diss) -- "The selection of corn varieties and hybrids for the lowlands of the Karabakh zone of the Azerbaydzhan SSR". Baku, 1960, published by the Acad Sci Azerb SSR. 21 pp (Min Agric USSR, North Ossetian Agric Inst), 150 copies (KL, No 11, 1960, 130)

ALIYEV, D.F.

Yields and quality of different corn varieties and hybrids grown
for silage. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no.6:29-36
'61. (MIRA 14:8)
(KARABAKH STEPPE--CORN (MAIZE)--VARIETIES) (ENSILAGE)

ALIYEV, D.F.

Growing of intervarietal hybrids in conditions of the
Lenkoran-Astara zone. Dokl.AN Azerb.SSR 17 no.7:627-630 '61.
(MIRA 14:10)
(Lenkoran Lowland--Hybridization, Vegetable)

ALIYEV, D.F.

Growth and development of corn varieties and hybrids in the
irrigated and unirrigated lowland zone of Karabakh. Trudy
Inst.gen.i sel.AN Azerb.SSR 2:55-68 '62. (MIRA 16:2)
(Karabakh Steppe--Corn (Maize)--Varieties)