"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

RAGAYSHIS, S.L.

Kidney changes in experimental syphilis in rabbits. Vest. derm. i ven. 38 no.5:58-63 My '64. (MIRA 18:11)

1. Otdel mikrobiologii (zav. - prof. N.M.Ovchinnikov) i otdel patomorfologii (zav. - prof. Ye.F.Belyayeva) TSentral'nogo nauchno-issledovatel'skogo kozhno-venerologicheskogo instituta (dir. - kand.med.nauk N.M.Turanov) Ministerstva zdravookhraneniya RSFSR. Submitted Sept. 5, 1963.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

RAGAZINA, M.F., inzh., ved. red.; SHTERLING, S.Z., dots., red, [deceased]; SOROKINA, T.M., tekhn. red.; FOMICHEV, P.M., tekhn. red.

[Welding, cutting, and soldering] Svarka, rezka i paika. Moskva, Filial Vses.in-ta nauchn. i tekhn. informatsii. (Peredovoi naucnno-tekhnicheskii i proizvodstvennyy opyt. Tema 12. Nos. M-58-17/1, M-58-20/2, M-58-165/15, M-58-241/20, M-58-256/21, M-58-397/32) Nos.1-2, 5-8. 1958. (MIRA 16:3)

(Electric welding)
(Gas welding and cutting)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

NAUMCHENKOV, Nikolay Yermolayevich; MINKOV, Yakov L'vovich; ZAKS, Iosif Aronovich; RAGAZINA, M.F., inzh., ved. red.; SOROKINA, T.M., tekhn. red.

[Fatigue strength of the joints in 35L steel castings made by electric slag welding. Properties of metal deposited by GIAP-4 electrodes] Ustalostnaia prochnost' soedinenii litoi stali 35L, vypolnennykh elektroshlakovoi svarkoi. Svoistva metalla, naplavlennogo elektrodami GIAP-4. [By]I.A.Zaks. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 12 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 12. No.M-58-396/31) (MIRA 16:2)
(Steel castings--Welding) (Welding--Testing)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

NOVOZHILOV, Nikolay Mikhaylovich; SOKOLOVA, Aleksandra Mikhaylovna; RAGAZINA, M.F., inzh., ved. red.; SHTERLING, S.Z., dots., red.; SOROKINA, T.M., tekhn. red.

[Automatic and semiautomatic welding procedures for low-carbon and low-alloy steels using a consumable electrode in an atmosphere of carbon dioxide] Tekhnologiia avtomaticheskoi i poluavtomaticheskoi svarki malouglerodistykh i nizkolegirovannykh stalei plaviashchimsia elektrodom v srede uglekislogo gaza. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 18 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 12. No.M-58-50/5) (MIRA 16:3)

(Electric welding)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

STRIZHEVSKIY, Iosif Isaakovich; RAGAZINA, M.F., inzh., ved. red.; SHTERLING, S.Z., dots., red.; SOROKINA, T.M., tekhn.red.

[Operation of acetylene generators and water seals during winter] Ekspluatatsiia atsetilenovykh generatorov i vodianykh zatvorov v zimnee vremia. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 15 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 12. No.M-58-114/10) (MIRA 16:3)
(Acetylene generators—Cold weather operation)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

VASIL'YEV, Kirill Vasil'yevich, kand. tekhn. nauk; SHAPIRO, Il'ya Samuilovich, inzh.; NEKRASOV, Yuriy Ivanovich; RAGAZINA, M.F., inzh., ved. red.; SHTERLING, S.Z., dots., red.; SOROKINA, T.M., tekhn. red.

[Oxygen-arc cutting of metals. Backfire localizing devibe for gas and petroleum cutting torches] Elektrokislorodnaia rezka metallov. Lokalizator obratnykh udarov v benzo-i kerosinorezakh. [By] IU.I.Nekrasov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 12 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 12. No.M-58-102/8) (MIRA 16:2)

(Gas welding and cutting)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

CHICHMAREV, Georgiy Petrovich; MALYUGA, Anton Filippovich; RAGAZINA, M.F., inzh., ved. red.; SOROKINA, T.M., tekhn. red.

[Contact jaw for the soldering of copper. Semiautomatic confeyer for the soldering of glass insulators]Kontaktnaia mashina dlia paiki medi. Konveier-poluavtomat dlia paiki stekliannykh izoliatorov. [By]A.F.Maliuga. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 11 p. (MIRA 16:2)

(Solders and soldering—Equipment and supplies)
(Electric insulators—Welding)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

AKULOV, Aleksandr Ivanovich, kand. tekhn. nauk; RAGAZINA, M.F., inzh., ved. red.; SHTERLING, S.Z., dots., red.; FOMICHEV, P.M., tekhn. red.

[Automatic welding of low-carbon steel pipe in carbon dioxide] Avtomaticheskaia svarka trub iz malouglerodistoi stali v uglekislom gaze. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 11 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 12. No.M-58-48/3) (MIRA 16:3)
(Pipe, Steel—Welding)
(Protective atmospheres)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

DAVIDOVSKAYA, Yelena Aleksandrovna, kand. tekhn. nauk; KESTEL', Lyubov' Prokof'yevna, inzh.; URYUPINA, Yekaterina Ivanovna, kand. tekhn. nauk; RAGAZINA, M.F., inzh., ved. red.; SAMOKHOTSKIY, A.I., inzh., red.; PONOMAREV, V.A., tekhn.red.

[Effect of heat treatment on the tendency in stainless steel toward intercrystalline corrosion] Vliianie termicheskoi obrabotki na sklonnost' nerzhaveiushchikh stalei k mezhkristallitnoi korrozii. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 11 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 13. No.M-58-15/1) (MIRA 16:3)
(Steel, Stainless—Corrosion)
(Metals, Effect of temperature on)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

KOZLOV, N.N.; SKVORTSOV, V.V.; OBYSOV, A.N.; OSIPENKO, Yu.K.; KHOKHLOV, B.A., glav. red.; CHUPROV, D.P., nauchnyy red.; VOSTROV, V.M., red.; DVIZHKOVA, N.M., red.; ZHEBRAKOV, N.A., red.; ZLATOTSVETOVA, I.I., red.; RAGAZINA, M.F., red.; FARADZH, N.O., red.; YEGOROVA, M.I., red.; MASLYANITSYNA, N.I., red.; PETRYAKOVA, T.D., red.

[Instruments, appliances, and mechanisms for assembling and special work] Instrumenty, prisposobleniia i mekhanizmy dlia montazhnykh i spetsial'nykh rabot. Moskva, Vol.2. 1962. 226 p. (MIRA 16:7)

1. Moscow. Gosudarstvennyy institut po vnedreniyu peredovykh metodov rabot i truda v stroitel'stve.
(Construction equipment)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

YAKOVLEV, Vasiliy Akimovich, kand. tekhn. nauk; RAGAZINA, M.F., inzh., ved. red.; TRUSOV, L.P., kand.tekhn. nauk, red.; SOROKINA, T.M., tekhn. red.

[Induction heating with a commercial frequency current of aluminum and magnesium alloy ingots]Induktsionnyi nagrev tokom promyshlennoi chastoty slitkov iz aliuminievykh i magnievykh splavov. Moskva, Filial Vses.in-ta nauchn. i tekhn. informatsii, 1958. 21 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 3. No.M-58-44/3) (MIRA 16:3)
(Induction heating) (Nonferrous ingots)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

VASIL'YEV, Kirill Vasil'yevich; SHAPIRO, Il'ya Samuilovich; SHTEYNTSAYG, Kalman Khaymovich; BAGAZINA, M.F., inzh., ved. red.; SOROKINA, T.M., tekhn. red.

[Air-arc cutting of metals. P.A.Vachkov's method for the gas planing of steel]Vozdushno-dugovaia rezka metallov. Gazovaia strozhka stali po metodu P.A.Vachkova. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 13 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyy opyt. Tema 12. No.M-58-70/7) (MIRA 16:3)
(Electric metal cutting) (Gas welding and cutting)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

[illegible]

Welding of nickel-silicon alloys [illegible] splavov. Moskva, Oblsl. Tsen. in-ta metallov. i tekhn. [illegible]-sii, 1955. 14 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 12. N.M-55-55/25) (MIA 10:1)
(Nickel-silicon alloys—welding)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

NAGALINA, M.F., inzh., ved. red.; TRYASUNOVA, Ye.T., inzh., ved. red.; TRUSOV, L.P., kand.tekhn.nauk, red.; PONOMARET, T.A., tekhn. red.; SOROKINA, T.M., tekhn. red.

[Heat and chemical heat treatment of ferrous and nonferrous metals] Termicheskaia i khimiko-termicheskaia obrabotka chernykh i tsvetnykh metallov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii. Nos.1, 3-4. 1958. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 3. Nos.M-58-10/1, M-58-264/10, M-58-398/15. (MIRA 10:3)

(Steel—Heat treatment)

(Nonferrous metals—Heat treatment)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

LIVSHITS, Lev Semenovich, kand. tekhn. nauk; BAKHRAKH, Lidiya Petrovna, inzh.; RAGAZINA, M.F., inzh., ved. red.; SHTERLING, S.Z., dots., red.; SOROKINA, T.M., tekhn. red.

[Welding of EI578 and EI579 steel structures]Svarka konstruktsii iz stalei EI578 i EI579. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 9 p. (Peredovoi nauchno-tekhn. i proizvodstvennyi opyt. Tema 12. No.M-58-281/24) (MIRA 16:3)
(Steel, Heat-resistant--Welding)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

ASINOVSKAYA, Gnesya Abramovna; STRIZHEVSKIY, Iosif Isaakovich; ZELIKOVSKAYA, Natal'ya Mikhaylovna; ZAYTSEVA, Vera Polikarpovna; RAGAZINA, M.F., inzh., ved. red.; SHTERLINE, S.Z., dots., red.; SOROKINA, T.M., tekhn. red.

[BM-1 gas-like flux for nonferrous metal welding and brazing] Gazoobraznyi flius BM-1 dlia svarki tsvetnykh metallov i tverdoi paiki. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 16 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 12. No.M-58-104/0) (MIRA 16:3)
(Flux (Metallurgy)) (Nonferrous metals--Welding)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

SPEKTOR, Oyzer Shmulevich; RAGAZINA, M.F., inzh., ved. red.; SHTERLING, S.Z., dots., red.; SOROKINA, T.M., tekhn. red.

[Arc and gas cutting of stainless steel]Dugovaia i gazovaia rezka nerzhaveiushchei stali. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 30 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 12. No.M-58-190/18) (MIRA 16:3)
(Electric metal cutting)
(Gas welding and cutting)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

SPEKTOR, O.Sh.; VASIL'YEV, K.V., kand.tekhn. nauk, retsenzent; RAGAZINA, M.F., inzh., red.; UVAROVA, A.F., tekhn. red.; MAKAROVA, L.A., tekhn. red.

[Oxygen-flux cutting of stainless steel]Kislorodno-fliusovaia rezka nerzhaveiushchikh stalei. Moskva, Mashgiz, 1962. 159 p. (MIRA 16:2)

(Gas welding and cutting)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

KISELEVA, N.P., inzh., ved. red.; NEUSYPIN, A.M., inzh., ved. red.; RAGAZINA, M.F., inzh., ved. red.; SMIRNOV, B.M., tekhn. red.

[Saving of materials and new materials used in the machinery industry]Ekonomiia materialov i novye materialy, primeniaemye v mashinostroenii. Moskva, Filial Vses.in-ta nauchn. i tekhn. informatsii, 1957. 22 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 18. No.M-57-124/4) (MIRA 16:2)
(Machinery industry) (Materials)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

BLINNIK, Lazar' Borisovich; KOZLOV, Vladimir Vasil'yevich; TUCHINSKIY, Naum Vladimirovich; RAGAZINA, M.F., inzh., ved. red.; SAMOKHOTSKIY, A.I., inzh., red.; SOROKINA, T.M., tekhn. red.

[Efficient conditions for the aging of cast iron]Ratsional'nye rezhimy stareniia chugunnykh otlivok. Moskva, Filial Vses. in-ta nauchn.i tekhn. informatsii, 1958. 12 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyy opyt. Tema 3. No.M-58-112/5) (MIRA 16:2)

(Cast iorn--Hardening)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

KAZAKOV, M.L.; RAGAZINA, M.F., inzh., ved. red.; L'VOVSKAYA, B.I., red.; SOROKINA, T.M., tekhn. red.

[Gas-flame hardening of low-module gear sheels]Zakalka gazovym plamenem melkomodul'nykh zubchatykh koles. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 9 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 3. No. M-58-337/12) (MIRA 16:2)

(Steel—Hardening)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

MAZEL', Aleksandr Grigor'yevich, kand. tekhn. nauk; ROGOVA, Yelena Mikhaylovna, inzh.; MARCHENKO, Yuriy Ivanovich, inzh.; RAGAZINA, M.F., inzh., ved. red.; SHTERLING, S.Z., dots., red.; PONOMAREVA, V.A., tekhn. red.

[Selection of elctrodes for the welding of low-carbon steels] Vybor elektrodov dlia svarki malouglerodistykh stalei. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 18 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 12. No.M-58-62/6) (MIRA 16:2)

(Steel--Welding) (Electrodes)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

KHVEDCHENYA, Leonid Konstantinovich; SVISTKOV, Vasiliy Vasil'yevich; GORCHAKOV, A.V., otv. red.; RAGAZINA, M.F., nauchnyy red.

[Testing the tightness of weld joints by vacuuming] Ispytanie plotnosti svarnykh shvov metodom vakuumirovaniia. Izd.2., perer. Moskva, TSentr. biuro tekhn. informatsii, 1959. 19 p. (MIRA 15:2)

(Welding—Testing) (Vacuum technology)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

RYZHIKOV, Anton Abramovich, doktor tekhn. nauk, prof.; VASIL'YEVSKIY, P.F., kand. tekhn. nauk, retsenzent; CHERNYAK, O.V., inzh., red.; RAGAZINA, M.F., inzh., red.; EL'KIND, V.D., tekhn. red.

[Technological principles of foundry practice] Tekhnologicheskie osnovy liteinogo proizvodstva. Moskva, Mashgiz, 1962. 527 p. (MIRA 15:3)

(Founding)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

PINK, M.N., inzh.; DEMIDOV, V.K., inzh.; RAGAZINA, M.F., nauchnyy red.; DANILOV, V.M., red.

[Methods for calculating the stability of pit sides in open-cut mining] O metodakh rascheta ustoichivosti otkosov otkrytykh gornykh vyrabotok. Moskva, TSentr.biuro tekhn.inform., 1960. 47 p. (MIRA 14:1)

1. Moscow. Gosudarstvennyy proyektnyy institut "Fundamentproyekt." (Strip mining) (Soil mechanics)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

USSR/Farm Animals. Cattle Q-2

Abs Jour : Ref Zhur - Biol., No 8, 1958, No 35622

Author : Regchaa U.
Inst : ~~Not Given~~
Title : Beef and Dairy Qualities of the Simmenthal Crossbreeds in the Mongolian People's Republic

Orig Pub : Zhivotnovodstvo, 1957, No 11, 80-84

Abstract : No abstract

Card : 1/1

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

PRONIN, I.; KANGUN, S.; NEMIROVSKIY, R., (L'vov); RAGE, M.; KANTSEDIKAS, A.

In the republics of the Union. Mest.prom.i khud.promys. 3 no.2:22-23 F '62. (MIRA 15:2)

1. Nachal'nik Severo-Kazakhstanskogo upravleniya mestnoy promyshlennosti, g. Petropavlovsk, Severo-Kazakhstanskoy oblasti (for Pronin). 2. Nachal'nik tekhnicheskogo otdela Khar'kovskogo zavoda "Progress", Khar'kov (for Kangun). 3. Glavnyy inzhener Rizhskogo tekstil'nogo kombinata, Riga (for Rage).
(Russia--Manufactures)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

RAGEL' V. D.

Dissertation: "Peculiarities of the Development and Displacement of the Economy of Baraba, on the Examples of the Western Regions." Cand Geog Sci, Inst of Geography, Acad Sci USSR, Moscow, 1953. Referativnyy Zhurnal--Geologiya, Geografiya, Moscow, Jul 54.

SO: SUM No. 356, 25 Jan 1955

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

GAKMAN, Emma L'vovna; RAGOZINA, M.I., inzhener, veduschiy redaktor; SHREYDER, A.V., kandidat tekhnicheskikh nauk, redaktor; PONOMAREV, V.A., tekhnicheskiy redaktor

[Zinc plating of parts] Diffuzionnoe tsinkovanie detalei. Moskva, Akad.nauk SSSR, 1956. 15 p. (Informatsiia o nauchno-issledovatel'skikh rabotakh. Tema 24, no.I-56-207) (MLRA 10:10)
(Zinc plating)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

RAGCHAA, U., Cand Agr Sci -- (diss) "Milk and Meat Qualities of Simmenthalized Cattle of the Mongolian People's Republic and Ways for Its Improvement." Mos, 1957. 20 pp (All-Union Sci Res Inst of Animal Husbandry), 110 copies (KL, 49-57, 114)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

RAGCHAA, U., aspirant

Meat and milk qualities of Simmenthal crosses in the Mongolian People's Republic. Zhivotnovodstvo 19 no.11:80-84 N '57. (MIRA 10:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhivotnovodstva. (Mongolia--Cattle)

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Ragdoyev, Aleksandr Georgiyevich

Prostranstvennyye nestatsionarnyye dvizheniya sploshnoy sredy s udarnymi volnami (Spatial Nonstationary Movements of Solids With Impact Waves) Yerevan, Izd-vo AN Armyanskoy SSR, 1961. 274 p. Errata slip inserted. 1000 copies printed.

Sponsoring Agency: Akademiya nauk Armyanskoy SSR. Institut matematiki i mekhaniki.

Resp. Ed.: G. A. Ambartsumyan; Ed. of Publishing House: A. G. Silkuni; Tech. Ed.: L. A. Azizbekyan.

PURPOSE: This book is intended for students in advanced courses at schools of higher technical education and for engineers working in the propagation of waves in continuous media.

COVERAGE: A number of nonstationary problems in the movement of a continuous medium in a half-space under the effect of shock waves and in the penetration of solids is examined. Both the linear and nonlinear problems of the movement of a continuous medium are solved for cases in which the medium is a

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compressible liquid or an elastic body. The book consists of two sections. Section I discusses propagation in depth of a shock wave moving along the surface of a half-space in a continuous medium occupying the lower half-space. Section II deals with the problem of the movement of a liquid under the effect of solids penetrating it in the direction of their vertical axis. Kh. A. Rakhmatulin and Prof. A. Ya. Sagomonyan proposed the problems for Ch. 2 of Section I, and for Chs. 1 and 2 of Section II. The author formulated the statement of the problems on the penetration of pressure in the isoentropic approximation and on the determination of wave fronts and the penetration of bodies of revolution into an inhomogeneous medium. Chs. 1 and 2 and part of Ch. 3 of Sections I and II constitute the substance of the author's candidate's thesis. The other results are from the period of his activity at the Institue of Mathematics and Mechanics AS Armenian SSR. The author gives only the results of his own investigations. The appendixes give graphs of the curves plotted from the derived formulas and the bases of some unproven formulas in the monograph. The solutions of problems in Section I can be applied to the solution of similar problems in Section II. The author thanks S. A. Ambartsumyan and D. G. Santrosyan. There are 65 references: 60 Soviet, 3 French, 1 German, and 1 English.

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A new type of percolator "Nera" with a dropping tap. Imre Némedy and János Ragettli. *Magyar Gyógyszerészeti Társaság Értesítője* 16, 82-5(1940).—The dropping tap has an opening of continuously decreasing size. It gives drops as prescribed by the pharmacopeias at a rate that can be kept const. for 4 days. The structure of the tap is shown by figures. S. S. de Finály

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The evaluation and proper storage of some important therapeutic preparations (tinctures and fluidextracts). II. Secale cornutum. János Ragettli. *Magyar Gyógyszerészlap. Tudomány Egészségügy* 16, 257-81(1940); cf. *C. A.* 34, 1128[8].—Fluidexts. prepd. according to Pharm. Hung. IV showed an increase of acidity on storage; other exts. became more alk. High temp. and sunlight during storage are detrimental to the alkaloid content; also alkalies dissolved from the glass are harmful. Storage in alkali-free, dark-colored bottles, completely filled with the liquid and closed by paraffined cork stoppers is recommended. The best temp. for storage is 0-15°. The alkaloid content and other characteristics should be detd. every 3 months. S. S. de Finály

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Evaluation and proper storage of some of the principal pharmaceutical preparations (tinctures, fluidextracts). János Ragettli. *Magyar Gyógyszerészlap. Társadalmi Értesítője* 15, 521-67(1939).—Digitalis tincture can be stored for years without any considerable changes in the dark and cold, provided it is kept in small, dark-colored glass bottles, completely filled, and sealed with paraffin. A criterion of proper storage is const. pH. The degree of decompn. of glucosides is shown by the fluorescence of digitoxose. Infusions can be stored in a similar manner for a long time.

S. S. de Finály

COMMON ELEMENTS

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Rapid testing of antifouling paints. **Rapid chemical testing.** M. Ragg (Klagenfurt, Austria). *Farbe u. Lack* 57, [illegible] (1951); [illegible] 45, 4162*a* (1951). The antifouling poisons which are effective against marine organisms must be present in more than lethal quantities in the laminary stratum overlying the coating. Though many other factors influence the performance of antifouling paints, the leaching rate of the poisons Cu, Hg, Zn can be detd. in testing app. in which a stationary panel is sprayed with sea water, or in which the panel is rotated in the sea water. In the former case, the panel is placed horizontally in a glass tank and sea water is circulated through glass pumps and a set of glass tubes with spray nozzles. In the latter, the panel is rotated vertically in a glass tank contg. sea water. The leaching rate is detd. by analysis of a water sample (*cf.* Ragg, *C.A.* 45, 9756*d*) with dithizone. Corrections were made for the content in Hg (0.03 γ), Cu (0.3 γ), and Zn (5.30 γ) in Baltic Sea water. Among results reported are the Cu loss of a coating; leaching gradually increased to a max. after 24 hrs., then fell off again. This explains the initial poor fouling resistance of some new coatings, and the gradual loss of their efficiency. The optimum Cu leaching rate averaged 0.196 g./sq. m. surface per day (24 hrs. of rapid test corresponded to 8-9 months in actual voyage). A coating of proven antifouling efficiency (exposure for 8 months in the Adriatic Sea) showed the following leaching rates in 1, 5, 15, 25, 35, 45, 55, 65, and 75 hrs. of spraying in γ/sq. dm./h: Hg, 760, 98, 34, 20, 16, 13, 9, 7.5, —; Cu, 40, 25, [illegible], 43, 39, 40, 50, —; Zn, 230, 47.5, 50, 47.5, 45, 40, 37.5, 35, 32.5, [illegible]. 55 hrs. rapid test corresponds to 14 months in voyage). The "poison shock" of very high initial leaching of Hg and Zn appears to cause the great efficiency of this coating by preventing the formation of an initial growth. Panels of the same coating only lasted 5 months in the Baltic. Fresh panels compared with those removed after 5 months in the Baltic indicated a drop in initial leaching in the latter to [illegible] γ for Hg, to [illegible] γ for Cu, and to [illegible] γ for Zn, and after 45 hrs. of rapid test, the leaching rates of the latter panels were [illegible] γ for Hg, [illegible] γ for Cu, and [illegible] γ for Zn. Its failure thus is interpreted as caused by too rapid leaching and/or too low a Cu content. Panels were artificially aged by rotating them at 25-30° in water of increased salt content. The effect of increased Cu_2O content was in extended, not stronger, poison action. Other studies were on the effect of pH and of temp. HgO leached less at pH 6 than at pH 8. Ratings of 11 paints in submarine exposure tests checked well with their ratings by leaching only of Cu + Hg in the rapid test. ZnO is thought to act by ppng. Ca and thus depriving sea-fish of their shell-building materials.

Henry A. Goldstein

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RAGG, M.

Rapid testing of antifouling paints. Rapid chemical testing. M. Ragg (Klagenfurt, Austria). *Farbe u. Lack* 57, 139-49(1951); cf. *C.A.* 45, 4403*a*.—The antifouling poisons which are effective against marine organisms must be present in more than lethal quantities in the laminary stratum overlying the coating. Though many other factors influence the performance of antifouling paints, the leaching rate of the poisons (Cu, Hg, Zn) can be detd. in testing app. in which a stationary panel is sprayed with sea water, or in which the panel is rotated in the sea water. In the former case, the panel is placed horizontally in a glass tank and sea water is circulated through glass pumps and a set of glass tubes with spray nozzles. In the latter, the panel is rotated vertically in a glass tank contg. sea water. The leaching rate is detd. by analysis of a water sample (cf. Ragg, *C.A.* 45, 875*d*) with dithizone. Corrections were made for the content in Hg (0.03 γ), Cu (0.3 γ), and Zn (5-30 γ) in Baltic Sea water. Among results reported are the Cu loss of a coating; leaching gradually increased to a max. after 24 hrs., then fell off again. This explains the initial poor fouling resistance of some new coatings, and the gradual loss of their efficiency. The optimum Cu leaching rate averaged 0.166 g./sq. m. surface per day (24 hrs. of rapid test corresponded to 8-9 months in actual voyage). A coating of proven antifouling efficiency (exposure for 8 months in the Adriatic Sea) showed the following leaching rates in 1, 5, 15, 25, 35, 45, 55, 65, and 75 hrs. of spraying (in γ/sq. dm.): Hg, 760, 96, 34, 20, 16, 13, 9, 75, —; Cu, 40, 25, 31, 31, 43, 39, 40, 50, —; Zn, 230, 47.5, 50, 47.5, 45, 40, 37.5, 35, 32.5. (65 hrs. rapid test corresponds to 14 months in voyage.) The "poison shock" of very high initial leaching of Hg and Zn appears to cause the great efficiency of this coating by preventing the formation of an initial growth. Panels of the same coating only lasted 5 months in the Baltic. Fresh panels compared with those removed after 5 months in the Baltic indicated a drop in initial leaching in the latter to $^1/_{21}$ for Hg, to $^1/_{30}$ for Cu, and to $^1/_{16}$ for Zn; and after 45 hrs. of rapid test, the leaching rates of the latter panels were $^1/_{10}$ for Hg, $^1/_{80}$ for Cu, and $^1/_4$ for Zn. Its failure thus is interpreted as caused by too rapid leaching and by too low a Cu content. Panels were artificially aged by rotating them at 25-30° in water of increased salt content. The effect of increased Cu_2O content was in extended, not stronger, poison action. Other studies were on the effect of pH and of temp. (HgO leached less at pH 6 than at pH 8). Ratings of 11 paints in submarine exposure tests checked well with their ratings by leaching (soly. of Cu + Hg/hr.) in the rapid test. ZnO is thought to act by pptg. Ca and thus depriving shellfish of their shell-building materials.

Henry A. Goldsmith

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

RAGG, M.

Rapid testing of antifouling paints. Rapid chemical testing. M. Ragg (Klagenfurt, Austria). *Farbe u. Lack* 57, 139-49(1951); cf. *C.A.* 45, 4463*a*.—The antifouling poisons which are effective against marine organisms must be present in more than lethal quantities in the laminary stratum overlying the coating. Though many other factors influence the performance of antifouling paints, the leaching rate of the poisons (Cu, Hg, Zn) can be detd. in testing app. in which a stationary panel is sprayed with sea water, or in which the panel is rotated in the sea water. In the former case, the panel is placed horizontally in a glass tank and sea water is circulated through glass pumps and a set of glass tubes with spray nozzles. In the latter, the panel is rotated vertically in a glass tank contg. sea water. The leaching rate is detd. by analysis of a water sample (cf. Ragg, *C.A.* 45, 875*d*) with dithizone. Corrections were made for the content in Hg (0.03 γ), Cu (0.3 γ), and Zn (5-30 γ) in Baltic Sea water. Among results reported are the Cu loss of a coating; leaching gradually increased to a max. after 24 hrs., then fell off again. This explains the initial poor fouling resistance of some new coatings, and the gradual loss of their efficiency. The optimum Cu leaching rate averaged 0.166 g./sq. m. surface per day (24 hrs. of rapid test corresponded to 8-9 months in actual voyage). A coating of proven antifouling efficiency (exposure for 8 months in the Adriatic Sea) showed the following leaching rates in 1, 5, 15, 25, 35, 45, 55, 65, and 75 hrs. of spraying (in γ/sq. dm.): Hg, 760, 96, 34, 20, 16, 13, 9, 75, —; Cu, 40, 25, 31, 31, 43, 39, 40, 50, —; Zn, 230, 47.5, 50, 47.5, 45, 40, 37.5, 35, 32.5. (65 hrs. rapid test corresponds to 14 months in voyage.) The "poison shock" of very high initial leaching of Hg and Zn appears to cause the great efficiency of this coating by preventing the formation of an initial growth. Panels of the same coating only lasted 5 months in the Baltic. Fresh panels compared with those removed after 5 months in the Baltic indicated a drop in initial leaching in the latter to $^1/_{12}$ for Hg, to $^1/_{30}$ for Cu, and to $^1/_{10}$ for Zn; and after 45 hrs. of rapid test, the leaching rates of the latter panels were $^1/_{16}$ for Hg, $^1/_{80}$ for Cu, and $^1/_4$ for Zn. Its failure thus is interpreted as caused by too rapid leaching and by too low a Cu content. Panels were artificially aged by rotating them at 25-30° in water of increased salt content. The effect of increased Cu_2O content was in extended, not stronger, poison action. Other studies were on the effect of pH and of temp. (HgO leached less at pH 6 than at pH 8). Ratings of 11 paints in submarine exposure tests checked well with their ratings by leaching (soly. of Cu + Hg/hr.) in the rapid test. ZnO is thought to act by pptg. Cu and thus depriving shellfish of their shell-building materials.

Henry A. Goldsmith

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ACC NR: AP6024715 SOURCE CODE: CZ/0049/66/000/002/0099/0104

AUTHOR: Sempio, Cesare--Sempio, Ch. (Perugia); Majernik, Ondrej--Mayernik, O. (Bratislava); Raggi, Vittorio (Perugia)

ORG: [Sempio; Raggi] Institute of Botanical Pathology, University of Perugia, Perugia (Instituto di Patologia Vegetale di Universita Perugia); [Majernik] Botanical Institute, Slovak Academy of Sciences, Bratislava

TITLE: Water loss and stomatal behavior of bean (Phaseolus vilgaris L.) infected by Uromyces appendiculatus (pers.) link

SOURCE: Biologia, no. 2, 1966, 99-104

TOPIC TAGS: fungus, plant disease, plant metabolism, plant respiration, transpiration, plant parasite

ABSTRACT: The total transpiration rate of beans infected by the fungus Uromyces appendiculatus was determined by the method of Ivanov, Silina and Tselniker (1950). The state of stomata was simultaneously investigated during the pathogenesis of the rust disease. When compared to controls, the respiration rate of the infected beans was reduced at the beginning of the infection; at later stages the leaves transpired more than the healthy ones. The break down of the photo- and hydroreactions caused by the parasite was found by observation of stoma-

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ta. The stomatal opening of diseased leaves is limited by temperature. In diseased leaves the width of the aperture is not related to the intensity of transpiration. Orig. art. has: 5 figures. [Orig. art. in Eng.] [JPRS: 35,814]

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CHANDRASEKHARAN, K.; RAGHAVAN NARASIMHAN (Bombay)

Hecke's functional equation and the average order of arithmetical functions. Acta arithmetica 6 no.4:487-503 '61.

1. Tata Institute of Fundamental Research, Bombay.

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The biological rapid-testing of ship-bottom paints. M. Ragg (Klagenfurt, Austria). *Farbe u. Lack* 57, 287-91, 352-6(1951); cf. *C.A.* 45, 5044*c*.—Antifouling paints and antifouling poisons in soln. were studied by exposing them to selected marine organisms at suitable stages of development. This was done under the microscope in small dishes or within plastic rings, sealed to glass slides, with paraffin wax. When nauplii of balanids or of copepods or the larvae of polychaetes were used for such tests the length of time required to poison then was proportional to ratings obtained with panels actually suspended in the ocean. Similar correlations were possible when leeches or starfish were used. In similar tests made with algae, *Enteromorpha* and Monadina were generally more sensitive to the poisons than *Chlamydomonas* and the toxic action of Cu_2O and CuCNS was greatest, that of HgO less, and that of ZnO lowest. Algae and marine animals were similarly affected by toxic action, with the efficiency falling from Cu_2O and CuCNS, through HgO, $HgCl_2$, $HgBr_2$, and $Hg(CNS)_2$, to the relatively ineffective ZnO, As_2O_3, and $Hg(CN)_2$. However, Cu_2O and CuCNS were more effective than HgO in the case of algae, while all three were nearly alike in their action on the animals. Poisonous action on marine bacteria was also studied. Sea-water agar columns to which the bacterial cultures had been added just before gelation were placed in contact with the paints, and the height of the sterile part of the columns was used to measure the toxicity of the paints. Hydrazine sulfate was very toxic for bacteria, but not for other organisms, and, therefore, not good in antifouling. Pb arsenate was without any value. Henry A. Goldsmith

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The poison concentration in the laminar zone and the resistance of the growth organisms against the action of poisonous ship-bottom paints. M. Ragg (Klagenfurt, Austria). *Farbe u Lack* 58, 99-102, 151-6(1952); cf. *C.A.* 45, 8754. The laminar zone of water adhering to the surface of a ship is estd. to be 0.01 mm. thick when the ship moves 10 m./sec. or 36 km./hr. To det. the concn. of Cu ions in such a zone a panel (15 × 20 cm.) coated with paint contg. Cu_2O was immersed 10 mm. deep in a suitable glass dish contg. 300 ml. of sea water and left there for a brief interval; the sea water was next removed and it was detd. that the Cu concn. rose quickly and reached 300-400 γ/l. in 10-20 min. The panel was then taken out, allowed to drain, and the adhering film (0.6 g.) of sea water was collected by rinsing or by blotting with dry filter paper; the Cu concn. in the film was 10-30 mg./l., or 10 times as high as in the balance of the water. (Similar results were obtained with ZnO paints.) Thus, the concn. of Cu in the laminar zone considerably exceeded the lethal concn. of Cu required for zoöplankters (1.25 mg./l.) and for algae (0.67 mg./l.). Tests with harpacticides (which crawl on the floor but never float) in vessels painted with Cu resinate or HgO either on their floors or in their sides showed 87.8 of the organisms killed by remote action as against 100 killed by direct contact; the water from these vessels also was toxic for these animals. The soly. of Hg or Cu oxides in sea water is not the same as their soly. in distd. water because of their reactions with the salts in the former. Thus, sea water of pH 8.0, shaken 24 hrs. with various Cu salts, contained the following concns. of Cu (mg./l.): $CuSO_4$, 0.70; $CuCl_2$, $CuCO_3$, Cu_2O, 0.60; CuO, 0.08; CuCN, 6.00; CuCNS, 2.20. Pigments are therefore best tested by shaking them with sea water (3.5% salts), filtering off insols., and using the soln. for toxicity tests against suitable organisms. The toxic action of HgO, $HgCl_2$, EtHgCl, ZnO, Cu_2O, CuCNS, and CuCN against a no. of growth organisms is tabulated (cf. Hoffmann, *C.A.* 45, 2618g); EtHgCl was particularly effective but is objectionable because of its toxicity to humans. Similar tables are given for the action of HgO, EtHgCl, ZnO, Cu_2O, and CuCNS on phytoplankton, for their action on algae, and for the relation between poison concn. and time required for lethal action against balanides. The toxic action of Cu_2O and ZnO is synergistic against monadina in ratios from 0.3:3.0 to 0.3:10.0, but this effect is not noticed with zoöplankters. H. A. G.

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Electricity versus ship-bottom paints Manfred Ross (Klagenfurt, Austria) *Farbe u. Lack* 56, 197-202 (1950). Various suggestions to protect ships electrically or by galvanic elements are reviewed. H. A. G.

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Protection of iron by painting. Manfred Ragg (Schloss Magereggg, Klagenfurt, Austria). *Werkstoffe u. Korrosion* 3, 11-17(1952).—The various factors influencing the protective value of paints are discussed. The preliminary treatment of the iron surface is described as well as the individual processes involved in the formation of a protective paint film.

M. F. Quaely

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

Note on crockery manufacture on cottage industry basis in India. N. V. RAGHUNATH *Trans. Indian Ceram. Soc.*, 5 (3) 151-57 (1946). Compared with the progress of various types of crockery industries in Czechoslovakia, Germany, Japan, England, and the U. S., the Indian ceramic industry is in its infancy. Factors on which its growth will depend are raw material surveys and supplies, education of labor, and the development of more efficient firing methods. Various hydroelectric schemes being planned will enable the use of well controlled electric kilns. Recommendations for these factors applied to cottage industry are outlined. M.P.H.

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RAGIB, Sokolija (Eng.) and MILOS, Matejko (Eng.)

"The coal supply of the thermal electric station Kakanj"

SO: ELEKTROPRIVREDA, May - June 1955

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

RAGIMOV, A.M. (Baku)

Our beacons. Apt. delo 13 no.4:65-67 Jl-Ag '64. (MIRA 18:3)

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RAGIMOV, M.A.; RASULOVA, G.B.

Cultivation of Aloe arborescens in Azerbaijan. Izv.AN Azerb. SSR.Ser.biol.i med.nauk no.6:9-15 '62. (MIRA 15:12)
(AZERBAIJAN--ALOE)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

RAGIM-ZADE, F.K.

Mountain meadow-steppe soils in the Gorno-Altai and the Lesser Caucasus. Trudy Biol. inst. Sib. otd. AN SSSR no.12:30-39 '64. (MIRA 18:7)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

RAGIM-ZADE, M.S.

Conditioned reflex activity of some bee strains as affected by climatic conditions. Izv.AN Azerb.SSR.Ser.biol.i med.nauk no.1:131-138 '61. (MIRA 14:6)
(Bees) (Conditioned response) (Bioclimatology)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

RAGIM-ZADE, M.S.

Conditioned reflex activity of some bee strains as related to climatic condition. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no.2:87-94 '61. (MIRA 14:6)
(BEES) (CONDITIONED RESPONSE) (BIOCLIMATOLOGY)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

LOPATINA, N.G.; RAGIM-ZADE, M.S.

Efficiency of various races of bees under different ecologic conditions. Vop. ekol. 7:102-103 '62. (MIRA 16:5)

1. Institut fiziologii imeni I.P.Pavlova AN SSSR, Leningrad. (Bees)

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[illegible], M.S.

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cases of the [illegible] (Hymenoptera, Aulacej.
Ent. obozr. 42 no.4 [illegible] (MIRA [illegible])

1. Institut fiziologii [illegible] N.P. [illegible] Leningrad.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

RAGIMOV, A.; METLOV, N.

Seminar on agricultural water supply and pasture irrigation. Gidr. i mel. 14 no.10:59-60 O '62. (MIRA 15:11)

1. Gosudarstvennyy komitet Soveta Ministrov RSFSR po vodnomu khozyaystvu.
(Water supply—Congresses)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

[illegible], A.F., [illegible] Sci — (diss) "Concerning the [illegible] of the stress of [illegible] from the smallpox of [illegible]," Novocherkassk, 1960, 16 pp (Novocherkassk Zooveterinary Institute in First Cavalry Army) (KL, 33-60, 142)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

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

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

(Oil wells--Hydraulic fracturing)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

BAGLIKOV, A. G.

BAGLIKOV, A. G. -- "Investigation of the Binder Equipment of Flax-Harvesting Machinery and Establishment of Optimum Parameters of Equipment for Harvesting Long-Staple Flax." Joint Academic Council, All-Union Sci Res Inst of the Mechanization of Agriculture (VIM), and All-Union Sci Res Inst of the Electrification of Agriculture (VIESKh). Moscow, 1955. (Dissertation for the Degree of Candidate in Technical Sciences)

SO: ACE Knizhnaya Letopis' No 4, 1956

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

DZHALIL-ZADE, G.N.; ASKEROV, A.G.; RAGIMOV, A.I.; NADZHAFOV, N. I.; DZHABAROVA, N.M.

Effect of depth on technical and economic indices of test well drilling. Trudy AzNII DN no.9:194-202 '60. (MIRA 14:5)
(Azerbaijan—Oil well drilling)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

RAGIMOV, A.S.

Oil and gas potentials of the Upper Jurassic in the Tertar and Araks interfluve (northeastern foothills of the Lesser Caucasus). Dokl. AN Azerb. SSR 20 no.4:45-49 '64. (MIRA 17:7)

1. Azerbaydzhanskiy nauchno-issledovatel'skiy institut po dobyche nefti. Predstavleno akademikom AN AzSSR A.A.Ali-zade.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

MUSAYEV, M.A.; RAGIMOV, A.S.; GVOZDENKO, T.M.

Effect of cultivation conditions on variations in the varietal characteristics of peppers. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no.11:47-56 '61. (MIRA 15:3)
(PEPPERS)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

RAGIMOV, A.S.

Effect of seeding methods on the biological properties and yields of soybeans. Izv.AN Azerb.SSR.Ser.biol.i med.nauk no.1:33-45 '61. (MIRA 14:6)

(Soybean) (Sowing)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

RAGIMOV, A. S.

Cand Agr Sci - (diss) "Study of square-nest method of planting soybean in grain form in the Khabarovskiy Kray." Baku, Pub. Academy of Sciences Azerbaydzhan SSR, 1961. 22 pp; (Ministry of Agriculture RSFSR, North Ossetin Agr Inst); 200 copies; price not given; (KL, 10-61 sup, 222)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

RAGIMOV, A.S.

Effect of different planting methods on root nodule formation in soybeans. Izv.AN Azerb.SSR.Ser.biol.i med.nauk 3:37-40 '61. (MIRA 14:7)

(Soybean) (Root tubercles)
(Plants, Space arrangement of)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

BERLIN, A.A.; RAGIMOV, A.V.; LIOGON'KIY, B.I.

Polysulfophenylene quinones. Izv. AN SSSR.Otd.khim.nauk no.10:1863-1865 O '62. (MIRA 15:10)

1. Institut khimicheskoy fiziki AN SSSR.
(Benzoquinone) (Benzidinesulfonic acid)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

L 41762-65 EPF(c)/EWP(j)/EWA(c)/EWT(m)/T Pc-4/Pr-4 RM

ACCESSION NR: AP4033384 S/0062/64/000/004/0593/0600

26
B

AUTHOR: Ragimov, A. V.; Liogon'kiy, B. I.; Berlin, A. A.

TITLE: Oxidation-reduction potentials and electron exchange properties of some polyarylenquinones

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 4, 1964, 593-600

TOPIC TAGS: oxidation reduction potential, electron exchange, ion exchange, polyarylenquinone, pi pi conjugation

ABSTRACT: The polymers with electron-exchange properties are used for removing oxygen from water, as models for biological catalysts and in the analytical chemistry. Interesting properties can be expected if electron exchange and ion exchange groups are in the π-π-conjugation. These systems must be more refractory, of a greater stability for solvents, and irradiation durability. The authors investigated experimentally the electron-exchange and ion exchange properties of polyarylenquinones of the general formula

Card 1/2

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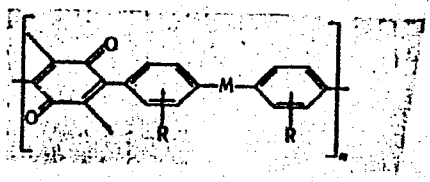
"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

L 41762-65

ACCESSION NR: AP4033384



Orig. art. has: 1 graph, 2 tables and 2 formulas.

ASSOCIATION: None

SUBMITTED: 21Oct63 ENCL: 00 SUB CODE: GC, OC

NR REF SOV: 004 OTHER: 007

Card 2/2

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

ACCESSION NR: AP4037243 S/0062/64/000/005/0909/0912

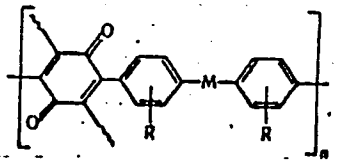
AUTHOR: Dulov, A. A.; Liogon'kiy, B. I.; Ragimov, A. V.; Slinkin, A. A.; Berlin, A. A.

TITLE: Electrical and magnetic properties of polyarylenequinones

SOURCE: AN SSSR. Izv. Seriya khimicheskaya, no. 5, 1964, 909-912

TOPIC TAGS: organic semiconductor, semiconducting polymer, polyarylenequinone

ABSTRACT: A study has been made of the electrical and paramagnetic properties of polyarylenequinones (I) with the general formula



and x-ray diffraction patterns have been recorded. Polymers I

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

ACCESSION NR: AP4037243

were synthesized from the quinone and the bisdiazotized diamines. Their structure was linear or three-dimensional depending on the reactant ratio (1/1 or 1/3; or 1/1 and cross linked with benzidine). The temperature dependence of d-c electrical conductivity for pellet samples of I was determined in the range 100—350C at 10^{-5} mm Hg. A correlation was found between molecular structure, packing density, and electrical properties. Reduction of the backbone quinone radicals to the stable semiquinone form resulted in a sharp rise in conductivity (the change in activation energy remained small). This is believed to confirm the participation of unpaired electrons in the conduction process. This research was conducted at the Institute of Chemical Physics, Academy of Sciences SSSR, and the Institute of Organic Chemistry imeni N. D. Felinskiy, Academy of Sciences SSSR. Orig. art. has: 1 formula, 2 figures, and 1 table.

ASSOCIATION: Institut khimicheskoy fiziki Akademii nauk SSSR (Institute of Chemical Physics, Academy of Sciences SSSR); Institut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk SSSR (Institute of Organic Chemistry, Academy of Sciences SSSR)

Card 2/3

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

LIOGONEKIY, B.I.; BAGIMOV, A.V.; ASKEYEV, Yu.G.; BERLIN, A.A.

Spectral study of polymeric arylene quinones and some products of their transformation. Vysokom. soed. 7 no.4:661-669 Ap '65. (MIRA 18:6)

1. Institut khimicheskoy fiziki AN SSSR.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

L 16067-65 EWG(j)/EWT(m)/EPF(c)/EPF(n)-2/EWP(j)/T/EWA(h)/EWA(1) Pc-4/
Pr-4/Peb/Pu-4 GG/RM

ACCESSION NR: AP4046086 S/0076/64/038/009/2316/2319

AUTHOR: Kiseleva, Ye. D.; Ragimov, A. V.; Chmutov, K. V.; Berlin, A. A.; Kliyentovskaya, M. M.; Bryushkova, T. A.

TITLE: Effect of an ionizing radiation current of accelerated electrons on polysulfophenylenequinone cationites

B

SOURCE: Zhurnal fizicheskoy khimii, v. 38, no. 9, 1964, 2316-2319

TOPIC TAGS: polysulfophenylenequinone cationite, ionite P3, ionite P4, ionite PS-3, radiation stability, accelerated electron radiation, radiolysis, dry atmosphere radiation, EPR spectrum, double bond oxidation

ABSTRACT: The stability of polysulfophenylenequinone cationites subjected to accelerated electron current radiation in water and in a dry atmosphere was investigated. The conjugated bond-containing ionites were obtained by reaction, in a weakly alkaline medium, of p-benzoquinone (I) with salts of bisdiazotised benzidinedisulfonic acid-2,2 (II) (I:II=1:3 for ionite P3 and 1:4 for ionite P4) or

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

L 16067-65

ACCESSION NR: AP4046086

stilbenedisulfonic acid-2, 2(III) (I:III=1:3 for ionite PS-3). Radiation conditions: electron energy=4.0-4.2 ME, current strength = 5-10 milliamps, dosage = 1-3 x 10^{19} ev/gm. sec. On irradiation in water the capacity and weight of the cationites was reduced and swelling increased with increasing dosage. Destruction was believed to have been caused by oxidation of the quinone-hydroquinone group in P3 and P4 and oxidation of the double bond in PS-3 by the products of water radiolysis. On irradiation in the absence of water the radiation stability was considerably increased. The increased ion exchange capacity of the irradiated PS-3 cationite was explained due to the formation of carboxyl groups at the site of the double bond rupture. The stability to ionizing radiation by accelerated electrons was increased by an increasing amount of hydroquinone in the cationite; stability of the cationites decreased in the following order: P3 >P4 >PS-3. EPR signals of the irradiated samples showed an increased number of unpaired electrons attributed to formation of new radicals due to the C-S bond rupture. Orig. art. has: 5 figures and 2 tables.

ASSOCIATION: Akademiya nauk SSSR Institut fizicheskoy khimii (Academy of

Card 2/3

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

L 16067-65

ACCESSION NR: AP4046086

Sciences SSSR Institute of Physical Chemistry)

SUBMITTED: 24Apr64 ENCL: 00

SUB CODE: GC, EM, GP NO REF SOV: 002 OTHER: 000

Card 3/3

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

L 60990-65 EPA(s)-2/EWT(m)/EPF(c)/EPF(n)-2/EWP(j)/T/EWP(z)/EWP(b) Pc-4
Pr-4/Ps-4/Pt-7/Pu-4 WW/RM/WH

ACCESSION NR: AP5019788 UR/0076/65/039/007/1590/1594 52
538.113+547 49
B

AUTHOR: Dulov, A. A.; Liogon'kiy, B. I.; Ragimov, A. V.; Slinkin, A. A.; Berlin, A. A.

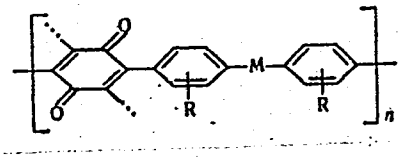
15

TITLE: Study of the electric properties of polymeric semiquinones

SOURCE: Zhurnal fizicheskoy khimii, v. 39, no. 7, 1965, 1590-1594

TOPIC TAGS: polyarylenesemiquinone, polyarylenequinone, electric conductivity

ABSTRACT: The electrical conductivity of polyarylenesemiquinones and the role played by unpaired electrons in the conductivity were investigated. The polymers had the general formula



It was shown that when polyarylenequinones are converted to polysemiquinones, the

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L 60990-65

ACCESSION NR: AP5019788

electrical resistance decreases, while the activation energy remains practically constant (in polymers which do not contain the sulfo group). At low temperatures, the increase in electrical conductivity resulting from the reduction of polyarylene-quinones to the semiquinone form is due to the appearance of unpaired electrons. During heating, recombination of the semiquinone radical centers takes place or quinhydrone complexes are formed. The rise in electrical conductivity is caused by the formation of segments having a greater number of conjugated bonds and by the increase in the exchange between these segments. Polarization at high temperatures in reduced polymers which do not contain the sulfo group is not related to the ionic conduction mechanism. Orig. art. has: 2 figures, 1 table.

ASSOCIATION: Institut khimicheskoy fiziki, Akademii nauk SSSR (Institute of Chemical Physics, Academy of Sciences, SSSR); Institut organicheskoy khimii, Akademii nauk SSSR (Institute of Organic Chemistry, Academy of Sciences, SSSR)

SUBMITTED: 17Feb64 ENCL: 00 SUB CODE: OC, EM

NO REF SOV: 005 OTHER: 002

Card 2/2

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

L 13812-66 EWT(m)/EWP(j)/T RM

ACC NR: AP6002470 (A) SOURCE CODE: UR/0191/66/000/001/0003/0006

AUTHORS: Berlin, A. A.; Kefeli, T. Ya.; Belkin, A. A.; Ragimov, A. V.; Liogon'kiy, B. I.; Brikenshteyn, Kh. A.

ORG: none

TITLE: On the catalytic and inhibiting influence of certain polysulfophenylquinones on the telomerization condensation reaction

SOURCE: Plasticheskiye massy, no. 1, 1966, 3-6

TOPIC TAGS: polymer, polymerization, catalytic polymerization, high polymer, polymerization kinetics, polymerization rate

ABSTRACT: The catalytic and inhibiting effects of polysulfophenylquinone (obtained by reacting p-benzoquinone with bis-diazotized benzidine-disulfo-2,2' acid (PSFKh-3) in the mole ratio of 1:3) on the condensation telomerization of digoesteracrylates, dimethylmethacrylate of diethylene glycol (MD) and dimethylmethacrylate-bis-diethyleneglycol)phthalate (MDF-1) were studied. The method used was that described by A. A. Berlin, T. Ya. Kefeli, and G. V. Korolev (Khim. prom., No. 12, 12, 1962). The kinetics of water elimination during the synthesis of MD in the presence of sulfuric acid and PSFKh-3, and the effect on PSFKh-3 of the ion exchange properties of synthesized esters were investigated. The experimental

Card 1/2 UDC: 678.764.43:678.044.1:547.567

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L 13812-66

ACC NR: AP6002470

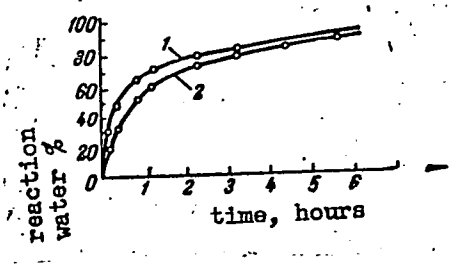

Fig. 1. Kinetics of elimination of water reaction during the synthesis of MD. 1 - in presence of sulfuric acid; 2 - in presence of PSFKh-3.

results are presented in tables and graphs (see Fig. 1). It was found that the highest yield of polymer was obtained for an initial catalyst concentration of 25 wt. % and for catalyst particle size < 0.25 mm. Orig. art. has: 1 table, 3 graphs, and 1 equation.

SUB CODE: 07,11/ SUBM DATE: none/ ORIG REF: 012/ OTH REF: 002

Card 2/2

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

L 21423-66 EWT(m)/EWP(j)/T/ETC(m)-6 WW/RM

ACC NR: AP6010120 (A) SOURCE CODE: UR/0190/66/008/003/0540/0547

AUTHOR: Berlin, A. A.; Ragimov, A. V.; Liogon'kiy, B. I.; Belova, G. V.

ORG: Institute of Chemical Physics, AN SSSR (Institut khimicheskoy fiziki AN SSSR)

TITLE: Synthesis and investigation of polyarylenequinones

SOURCE: Vysokomolekulyarnyye soyedineniya, v. 8, no. 3, 1966, 540-547

TOPIC TAGS: organic semiconductor, semiconducting polymer, heat resistant polymer, ion exchange resin, redox agent

ABSTRACT: New polyarylenequinones exhibiting redox and ion-exchange properties have been prepared by the reaction of p-benzoquinone with various bisdiazotized aromatic diamines. The diamines used were benzidine (polymer I), o-tolidine (II), 2,2'-benzidinedisulfonic acid (III), and 4,4'-diamino-2,2'-stilbenedisulfonic acid (IV). The polymer had linear (A) or network structures (AB):

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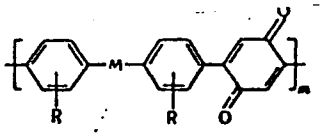
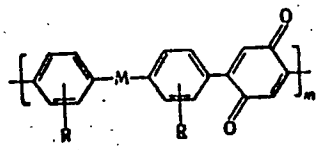
L 21423-66

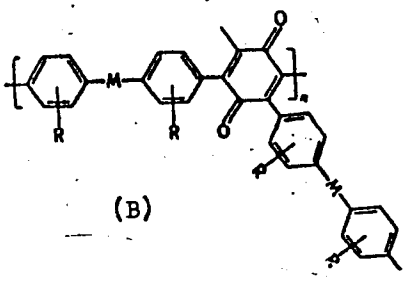
ACC NR: AP6010120



(A)



(A)



(B)

where M is -CH=CH- or absent. Structures A were obtained in the case of equimolar benzoquinone/amine ratios, and structures AB, in the case of excess amine. The polymers were light- to dark-brown powders. I and II were partly soluble in acetone, dimethylformamide, pyridine, nitrobenzene, quinoline, conc. H_2SO_4, and aqueous alkalies. Sulfonic acids III and IV were soluble or swelled in water, ethyl alcohol, dimethylformamide, and pyridine. Number-average molecular weights of the soluble fractions of I and II were 900—1500. It was shown that the reaction of benzoquinone with salts of aromatic or bisdiazo (as well as diazo) leads to the reduction of part of

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L 21423-66

ACC NR: AP6010120

the quinone groups to hydroquinone groups. The results of thermomechanical and thermogravimetric measurements showed that heating causes further polymerization. The polymers were resistant to thermal-oxidative degradation up to 250—300C and to thermal degradation in an inert atmosphere up to 600—700C. Orig. art. has: 2 figures and 3 tables. [SM]

SUB CODE: 11/ SUBM DATE: 16Apr65/ ORIG REF: 004/ OTH REF: 005/ ATD PRESS: 4221

Card 3/3 ULR

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

L 10878-66 EWT(m)/EWP(j)/T RPL RM

ACC NR: AP5028254 SOURCE CODE: UR/0379/65/001/004/0511/0518

AUTHOR: Liogon'kiy, B. I.; Ragimov, A. V.; Berlin, A. A.

ORG: Institute of Chemical Physics, AN SSSR, Moscow (Institut khimicheskoy fiziki AN SSSR)

TITLE: Preparation and study of stable polyradicals of semiquinone type

SOURCE: Teoreticheskaya i eksperimental'naya khimiya, v. 1, no. 4, 1965, 511-518

TOPIC TAGS: quinone, free radical, electron paramagnetic resonance

ABSTRACT: The treatment of polyarylenequinones (PAQ) with alcoholic alkali forms polyradicals of semiquinone type (PSQ), which were identified with EPR and IR spectra. It was found that in alcoholic alkali there occurs not only an oxidation of the hydroquinone form, but also a reduction of the quinone form of PAQ to semiquinone polyradicals, this being due to the electron-donor properties of the hydroxyl ion. The rate of formation of PSQ and their stability in alcoholic alkali were studied, and the semiquinone conversions of mono-, di-, tri-, and tetraphenylquinones were investigated for comparison. PSQ isolated in the solid form, washed, and dried under vacuum at room temperature retained a strong EPR signal in air for many weeks. They also proved stable on heating in air and in a vacuum at

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L 10878-66
ACC NR: AP5028254

100—123C. The great stability of PSQ relative to that of low-molecular semiquinones is due to the presence of a conjugation chain and to the rigidity of the PAQ structure. The formation of unpaired electrons and their participation in conduction processes is confirmed by a sharp increase in electrical conductivity in passing from PAQ to PSQ. Orig. art. has: 7 figures and 1 table.

SUB CODE: 07 / SUBM DATE: 16Feb65 / ORIG REF: 010 / OTH REF: 004
18

Card 2/2

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

L 2941-66 EWT(m)/EPF(c)/EWP(j)/T/EWA(c) WW/RM

ACCESSION NR: AP5024403 UR/0286/65/000/015/0082/0082

AUTHOR: Berlin, A. A.; Ragimov, A. V.; Kefeli, T. Ya.

TITLE: Preparative method for heat-resistant polymers / Class 39, No. 173412

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 15, 1965, 82

TOPIC TAGS: heat resistant polymer, ion exchange resin, esterification catalyst, semiconducting polymer, electron exchange resin

ABSTRACT: An Author Certificate has been issued for a preparative method for heat-resistant polymers from diazo compounds. To obtain a polymer with redox and ion-exchange properties, bisdiazotized benzidinesulfonic acid is reacted with quinones, e.g., benzoquinone. The polymer can be used as an esterification catalyst which simultaneously inhibits resinification and prepolymerization. [SM]

ASSOCAATION: none

SUBMITTED: 22Feb62 ENCL: 00 SUB CODE: OC,GC

NO REF SOV: .000 OTHER: 000 ATD PRESS: 4110

Card 1/1

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

DULOV, A.A.; LIOGON'KIY, B.I.; RAGIMOV, A.V.; SLINKIN, A.A.; BERLIN, A.A.

Electric properties of polymeric semiquinones. Zhur.fiz.khim. 39 no.7:1590-1594 Jl '65. (MIRA 18:8)

1. Institut khimicheskoy fiziki i Institut organicheskiy khimii AN SSSR.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

ASHIMOV, M.A.; RAFIYEV, M.M.; RAGIMOV, F.M.; KANZAVELI, S.Ye.

Studying the synthesis of surfactants and detergents from aromatic hydrocarbons contained in Azerbaijan petroleums for the purpose of developing raw material resources for "Azolate-B". Azerb. neft. khoz. 39 no.11:38-40 N '60. (MIRA 13:12)

(Azerbaijan--Petroleum products)
(Surface active agents)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

ACC NR: AP7002568 (A,N) SOURCE CODE: UR/0413/66/000/023/0059/0059

INVENTOR: Ragimov, F.Ya.; Lapshin, V.I.; Koloshnikov, V.G.

ORG: none

TITLE: Instrument for measuring plasma density. Class 21, No. 189100 [announced by Physics Institute im P.N. Lebedev (Fizicheskiy institut)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 23, 1966, 59

TOPIC TAGS: plasma density, plasma measurement, light interferometer

ABSTRACT: An Author Certificate has been issued for an instrument for measuring plasma density. The proposed instrument contains a monochromatic light source, a Fabry and Perot interferometer with one of its mirrors fixed, and a device for recording the light passing through the interferometer. To increase accuracy and to extend the range of the device, the plasma container overlaps half of the light flux of the interferometer, and the light-recording device has two photodetectors connected in a differentiating circuit for measuring the light flux which passes through the plasma, as well as the one unperturbed by the plasma. [JP]

SUB CODE: 20, 14/ SUBM DATE: 18Aug65/ ATD PRESS: 5114

Card 1/1 UDC: 533.9.082.5

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

GADZHIYEV, B.; SHIRINOV, I.; RAGIMOV, G.; RAFAEL', I.

Pre-October pledge of the petroleum workers of the Neftyanyye Kamni field. Neftianik 7 no.11:9 N '62. (MIRA 16:6)

1. Nachal'nik neftepromyslovogo upravleniya im. XXII s"yezda Kommunisticheskoy partii Sovetskogo Soyuza, Neftyanyye Kamni (for Gadzhiyev). 2. Zamestitel' sekretarya komiteta Leninskogo Kommunisticheskogo soyuza molodezhi neftepromyslovogo upravleniya imeni XXII s"yezda Kommunisticheskoy partii Sovetskogo Soyuza, Neftyanyye Kamni (for Rafael'). 3. Neftepromyslovoye upravleniye imeni XXII s"yezda Kommunisticheskoy partii Sovetskogo Soyuza, Neftyanyye Kamni (for Shirinov, Ragimov).
(Neftyanyye Kamni region—Oil well drilling, Sub[redacted]ine)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

GUSEINOV, M.M.; KASIMOVA, F.A.; KICHIYEVA, D.D.; RAGIMOV, G.A.

Hexachlorbenzene based on normal hexane. Azerb. khim. zhur. no.1:39-41 '65. (MIRA 18:7)

1. Institut neftekhimicheskikh protsessov AN AzerSSR.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

RAGIMOV, G.M.

Striving for the title of an enterprise of communist labor. Neftianik 6 no.4:4-6 Ap '61. (MIRA 14:8)

1. Predsedatel' Gyurgyanskogo neftepromyslovogo komiteta profsoyuza rabochikh neftyanoy i khimicheskoy promyshlennosti.
(Neftyanyye Kamni region--Oil well drilling, Submarine)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

ACC NR: AP7002922 SOURCE CODE: UR/0167/66/000/005/0003/0009

AUTHOR: Rakhimov, G. R.; Sharipov, Kh.; Latipov, K. Sh.

ORG: Tashkent Polytechnic Institute (Tashkentskiy politekhnicheskiy institut)

TITLE: Resonance curves of two-circuit ferroresonance circuits

SOURCE: AN UzSSR. Izvestiya. Seriya tekhnicheskikh nauk, no. 5, 1966, 3-9

TOPIC TAGS: resonance curve, ferroresonance circuit, circuit design, volt ampere characteristic

ABSTRACT: A mathematical model for a two-circuit ferromagnetic circuit was derived, permitting an evaluation of the characteristics of an analog transmission line with axial-transverse compensation. The loop shaped volt-ampere characteristics and frequency characteristics or resonance curves were analyzed, approximating the magnetization of the coil with a ferromagnetic core. Two-circuit circuits, having loop-shaped volt-ampere characteristics, also have loop-shaped frequency characteristics. The region of multivalent frequency characteristics corresponds to the region of the change of the fundamental frequency of the circuit at a given value of applied voltage. The lowest frequency of possible autooscillation in the circuit may be higher or equal to the minimum fundamental frequency of the circuit. Orig. art. has: 24 formulas and 3 figures.

SUB CODE: 09/ SUBM DATE: 05Apr66/ ORIG REF: 007

Card 1/1

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

RAGIMOV, I.R., aspirant

Powdery mildew of potatoes in Azerbaijan. Zashch.rast.ot vred.i bol. 7 no.5:56 My '62. (MIRA 15:11)

1. Azerbaydzhanskiy nauchno-issledovatel'skiy institut zashchity rasteniy.
(Azerbaijan--Potatoes--Diseases and pests)
(Azerbaijan--Mildew)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

AGIMOV, K.S.

Effect of furrowing sloping fields on soil erosion and yields of farm crops. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no.6: 121-126 '60. (MIRA 14:9)

(AZERBAIJAN--TILLAGE)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

SEIDOVA, Kh.K.; RAGIMOV, K.S.

Effect of growth substances on corn yield on eroded soils in Shemakha District. Dokl.AN Azerb.SSR 16 no.10:981-985 '60. (MIRA 14:1)

(Shemakha District--Corn (Maize))
(Growth promoting substances)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

RAGIMOV, K.S.

Comparative evaluation of various types of soil tillage on eroded soils in Shemakha District. Trudy Sekt. eroz. AN Azerb. SSR 1:114-133 '61. (MIRA 15:8)

(Shemakha District--Tillage)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

RAGIMOV, K.S.

Effect of the direction of plowing slopes on the erosion of soils and yields of farm crops. Izv.AN Azerb.SSR.Ser.biol.i med.nauk no.1:139-144 '61. (MIRA 14:6)
(Shemakha District--Erosion) (Plowing)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6

RAGIMOV, K.S.; SEIDOVA, Kh.K.

Effect of erosion on some physical and chemical characteristics of soil and the yield of farm crops in Shemakha District. Izv.AN Azerb.SSR.Ser.biol.i med.nauk no.3:109-118 '62. (MIRA 15:9)
(SHEMAKHA DISTRICT--EROSION)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

RAGAYSHIS, S.L.

Kidney changes in experimental syphilis in rabbits. Vest. derm. i ven. 38 no.5:58-63 My '64. (MIRA 18:11)

1. Otdel mikrobiologii (zav. - prof. N.M.Ovchinnikov) i otdel patomorfologii (zav. - prof. Ye.F.Belyayeva) TSentral'nogo nauchno-issledovatel'skogo kozhno-venerologicheskogo instituta (dir. - kand.med.nauk N.M.Turanov) Ministerstva zdravookhraneniya RSFSR. Submitted Sept. 5, 1963.

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

RAGAZINA, M.F., inzh., ved. red.; SHTERLING, S.Z., dots., red, [deceased]; SOROKINA, T.M., tekhn. red.; FOMICHEV, P.M., tekhn. red.

[Welding, cutting, and soldering] Svarka, rezka i paika. Moskva, Filial Vses.in-ta nauchn. i tekhn. informatsii. (Peredovoi naucnno-tekhnicheskii i proizvodstvennyy opyt. Tema 12. Nos. M-58-17/1, M-58-20/2, M-58-165/15, M-58-241/20, M-58-256/21, M-58-397/32) Nos.1-2, 5-8. 1958. (MIRA 16:3)

(Electric welding)
(Gas welding and cutting)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

NAUMCHENKOV, Nikolay Yermolayevich; MINKOV, Yakov L'vovich; ZAKS, Iosif Aronovich; RAGAZINA, M.F., inzh., ved. red.; SOROKINA, T.M., tekhn. red.

[Fatigue strength of the joints in 35L steel castings made by electric slag welding. Properties of metal deposited by GIAP-4 electrodes] Ustalostnaia prochnost' soedinenii litoi stali 35L, vypolnennykh elektroshlakovoi svarkoi. Svoistva metalla, naplavlennogo elektrodami GIAP-4. [By]I.A.Zaks. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 12 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 12. No.M-58-396/31) (MIRA 16:2)
(Steel castings--Welding) (Welding--Testing)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

NOVOZHILOV, Nikolay Mikhaylovich; SOKOLOVA, Aleksandra Mikhaylovna; RAGAZINA, M.F., inzh., ved. red.; SHTERLING, S.Z., dots., red.; SOROKINA, T.M., tekhn. red.

[Automatic and semiautomatic welding procedures for low-carbon and low-alloy steels using a consumable electrode in an atmosphere of carbon dioxide] Tekhnologiia avtomaticheskoi i poluavtomaticheskoi svarki malouglerodistykh i nizkolegirovannykh stalei plaviashchimsia elektrodom v srede uglekislogo gaza. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 18 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 12. No.M-58-50/5) (MIRA 16:3)

(Electric welding)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

STRIZHEVSKIY, Iosif Isaakovich; RAGAZINA, M.F., inzh., ved. red.; SHTERLING, S.Z., dots., red.; SOROKINA, T.M., tekhn.red.

[Operation of acetylene generators and water seals during winter] Ekspluatatsiia atsetilenovykh generatorov i vodianykh zatvorov v zimnee vremia. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 15 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 12. No.M-58-114/10) (MIRA 16:3)
(Acetylene generators—Cold weather operation)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

VASIL'YEV, Kirill Vasil'yevich, kand. tekhn. nauk; SHAPIRO, Il'ya Samuilovich, inzh.; NEKRASOV, Yuriy Ivanovich; RAGAZINA, M.F., inzh., ved. red.; SHTERLING, S.Z., dots., red.; SOROKINA, T.M., tekhn. red.

[Oxygen-arc cutting of metals. Backfire localizing devibe for gas and petroleum cutting torches] Elektrokislorodnaia rezka metallov. Lokalizator obratnykh udarov v benzo-i kerosinorezakh. [By] IU.I.Nekrasov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 12 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 12. No.M-58-102/8) (MIRA 16:2)

(Gas welding and cutting)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

CHICHMAREV, Georgiy Petrovich; MALYUGA, Anton Filippovich; RAGAZINA, M.F., inzh., ved. red.; SOROKINA, T.M., tekhn. red.

[Contact jaw for the soldering of copper. Semiautomatic confeyer for the soldering of glass insulators]Kontaktnaia mashina dlia paiki medi. Konveier-poluavtomat dlia paiki stekliannykh izoliatorov. [By]A.F.Maliuga. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 11 p. (MIRA 16:2)

(Solders and soldering—Equipment and supplies)
(Electric insulators—Welding)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

AKULOV, Aleksandr Ivanovich, kand. tekhn. nauk; RAGAZINA, M.F., inzh., ved. red.; SHTERLING, S.Z., dots., red.; FOMICHEV, P.M., tekhn. red.

[Automatic welding of low-carbon steel pipe in carbon dioxide] Avtomaticheskaia svarka trub iz malouglerodistoi stali v uglekislom gaze. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 11 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 12. No.M-58-48/3) (MIRA 16:3)
(Pipe, Steel—Welding)
(Protective atmospheres)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

DAVIDOVSKAYA, Yelena Aleksandrovna, kand. tekhn. nauk; KESTEL', Lyubov' Prokof'yevna, inzh.; URYUPINA, Yekaterina Ivanovna, kand. tekhn. nauk; RAGAZINA, M.F., inzh., ved. red.; SAMOKHOTSKIY, A.I., inzh., red.; PONOMAREV, V.A., tekhn.red.

[Effect of heat treatment on the tendency in stainless steel toward intercrystalline corrosion] Vliianie termicheskoi obrabotki na sklonnost' nerzhaveiushchikh stalei k mezhkristallitnoi korrozii. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 11 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 13. No.M-58-15/1) (MIRA 16:3)
(Steel, Stainless—Corrosion)
(Metals, Effect of temperature on)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

KOZLOV, N.N.; SKVORTSOV, V.V.; OBYSOV, A.N.; OSIPENKO, Yu.K.; KHOKHLOV, B.A., glav. red.; CHUPROV, D.P., nauchnyy red.; VOSTROV, V.M., red.; DVIZHKOVA, N.M., red.; ZHEBRAKOV, N.A., red.; ZLATOTSVETOVA, I.I., red.; RAGAZINA, M.F., red.; FARADZH, N.O., red.; YEGOROVA, M.I., red.; MASLYANITSYNA, N.I., red.; PETRYAKOVA, T.D., red.

[Instruments, appliances, and mechanisms for assembling and special work] Instrumenty, prisposobleniia i mekhanizmy dlia montazhnykh i spetsial'nykh rabot. Moskva, Vol.2. 1962. 226 p. (MIRA 16:7)

1. Moscow. Gosudarstvennyy institut po vnedreniyu peredovykh metodov rabot i truda v stroitel'stve.
(Construction equipment)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

YAKOVLEV, Vasiliy Akimovich, kand. tekhn. nauk; RAGAZINA, M.F., inzh., ved. red.; TRUSOV, L.P., kand.tekhn. nauk, red.; SOROKINA, T.M., tekhn. red.

[Induction heating with a commercial frequency current of aluminum and magnesium alloy ingots]Induktsionnyi nagrev tokom promyshlennoi chastoty slitkov iz aliuminievykh i magnievykh splavov. Moskva, Filial Vses.in-ta nauchn. i tekhn. informatsii, 1958. 21 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 3. No.M-58-44/3) (MIRA 16:3)
(Induction heating) (Nonferrous ingots)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

VASIL'YEV, Kirill Vasil'yevich; SHAPIRO, Il'ya Samuilovich; SHTEYNTSAYG, Kalman Khaymovich; BAGAZINA, M.F., inzh., ved. red.; SOROKINA, T.M., tekhn. red.

[Air-arc cutting of metals. P.A.Vachkov's method for the gas planing of steel]Vozdushno-dugovaia rezka metallov. Gazovaia strozhka stali po metodu P.A.Vachkova. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 13 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyy opyt. Tema 12. No.M-58-70/7) (MIRA 16:3)
(Electric metal cutting) (Gas welding and cutting)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

[illegible], Yuriy Pavlovich, kand. tekhn. nauk, KSSR, dotsent
Tashkentskiy [illegible] [illegible], kand. [illegible]
[illegible], S.I., kand. [illegible]; [illegible], T.A., tekhn. [illegible]

Welding of nickel-silicon alloys [illegible] splavov. Moskva, Filial Tsen. in-ta nauchn. i tekhn. informatsii, 1965. 14 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 12. No.M-65-[illegible]) (MIA 18:1)
(Nickel-silicon alloys—welding)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

RAGALINA, M.F., inzh., ved. red.; TRYASUNOVA, Ye.T., inzh., ved. red.; TRUSOV, L.P., kand.tekhn.nauk, red.; PONOMARET, T.A., tekhn. red.; SOROKINA, T.M., tekhn. red.

[Heat and chemical heat treatment of ferrous and nonferrous metals] Termicheskaia i khimiko-termicheskaia obrabotka chernykh i tsvetnykh metallov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii. Nos.1, 3-4. 1958. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 3. Nos.M-58-10/1, M-58-264/1o, M-58-398/15. (MIRA 1o:3)

(Steel--Heat treatment)

(Nonferrous metals--Heat treatment)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

LIVSHITS, Lev Semenovich, kand. tekhn. nauk; BAKHRAKH, Lidiya Petrovna, inzh.; RAGAZINA, M.F., inzh., ved. red.; SHTERLING, S.Z., dots., red.; SOROKINA, T.M., tekhn. red.

[Welding of EI578 and EI579 steel structures]Svarka konstruktsii iz stalei EI578 i EI579. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 9 p. (Peredovoi nauchno-tekhn. i proizvodstvennyi opyt. Tema 12. No.M-58-281/24) (MIRA 16:3)
(Steel, Heat-resistant--Welding)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

ASINOVSKAYA, Gnesya Abramovna; STRIZHEVSKIY, Iosif Isaakovich; ZELIKOVSKAYA, Natal'ya Mikhaylovna; ZAYTSEVA, Vera Polikarpovna; RAGAZINA, M.F., inzh., ved. red.; SHTERLINE, S.Z., dots., red.; SOROKINA, T.M., tekhn. red.

[BM-1 gas-like flux for nonferrous metal welding and brazing] Gazoobraznyi flius BM-1 dlia svarki tsvetnykh metallov i tverdoi paiki. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 16 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 12. No.M-58-104/0) (MIRA 16:3)
(Flux (Metallurgy)) (Nonferrous metals--Welding)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

SPEKTOR, Oyzer Shmulevich; RAGAZINA, M.F., inzh., ved. red.; SHTERLING, S.Z., dots., red.; SOROKINA, T.M., tekhn. red.

[Arc and gas cutting of stainless steel]Dugovaia i gazovaia rezka nerzhaveiushchei stali. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 30 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 12. No.M-58-190/18) (MIRA 16:3)
(Electric metal cutting)
(Gas welding and cutting)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

SPEKTOR, O.Sh.; VASIL'YEV, K.V., kand.tekhn. nauk, retsenzent; RAGAZINA, M.F., inzh., red.; UVAROVA, A.F., tekhn. red.; MAKAROVA, L.A., tekhn. red.

[Oxygen-flux cutting of stainless steel]Kislorodno-fliusovaia rezka nerzhaveiushchikh stalei. Moskva, Mashgiz, 1962. 159 p. (MIRA 16:2)

(Gas welding and cutting)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

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KISELEVA, N.P., inzh., ved. red.; NEUSYPIN, A.M., inzh., ved. red.; RAGAZINA, M.F., inzh., ved. red.; SMIRNOV, B.M., tekhn. red.

[Saving of materials and new materials used in the machinery industry]Ekonomiia materialov i novye materialy, primeniaemye v mashinostroenii. Moskva, Filial Vses.in-ta nauchn. i tekhn. informatsii, 1957. 22 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 18. No.M-57-124/4) (MIRA 16:2)
(Machinery industry) (Materials)

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

BLINNIK, Lazar' Borisovich; KOZLOV, Vladimir Vasil'yevich; TUCHINSKIY, Naum Vladimirovich; RAGAZINA, M.F., inzh., ved. red.; SAMOKHOTSKIY, A.I., inzh., red.; SOROKINA, T.M., tekhn. red.

[Efficient conditions for the aging of cast iron]Ratsional'nye rezhimy stareniia chugunnykh otlivok. Moskva, Filial Vses. in-ta nauchn.i tekhn. informatsii, 1958. 12 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyy opyt. Tema 3. No.M-58-112/5) (MIRA 16:2)

(Cast iorn--Hardening)

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

KAZAKOV, M.L.; RAGAZINA, M.F., inzh., ved. red.; L'VOVSKAYA, B.I., red.; SOROKINA, T.M., tekhn. red.

[Gas-flame hardening of low-module gear sheels]Zakalka gazovym plamenem melkomodul'nykh zubchatykh koles. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 9 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 3. No. M-58-337/12) (MIRA 16:2)

(Steel—Hardening)

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

MAZEL', Aleksandr Grigor'yevich, kand. tekhn. nauk; ROGOVA, Yelena Mikhaylovna, inzh.; MARCHENKO, Yuriy Ivanovich, inzh.; RAGAZINA, M.F., inzh., ved. red.; SHTERLING, S.Z., dots., red.; PONOMAREVA, V.A., tekhn. red.

[Selection of elctrodes for the welding of low-carbon steels] Vybor elektrodov dlia svarki malouglerodistykh stalei. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 18 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 12. No.M-58-62/6) (MIRA 16:2)

(Steel--Welding) (Electrodes)

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

KHVEDCHENYA, Leonid Konstantinovich; SVISTKOV, Vasiliy Vasil'yevich; GORCHAKOV, A.V., otv. red.; RAGAZINA, M.F., nauchnyy red.

[Testing the tightness of weld joints by vacuuming] Ispytanie plotnosti svarnykh shvov metodom vakuumirovaniia. Izd.2., perer. Moskva, TSentr. biuro tekhn. informatsii, 1959. 19 p. (MIRA 15:2)

(Welding—Testing) (Vacuum technology)

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RYZHIKOV, Anton Abramovich, doktor tekhn. nauk, prof.; VASIL'YEVSKIY, P.F., kand. tekhn. nauk, retsenzent; CHERNYAK, O.V., inzh., red.; RAGAZINA, M.F., inzh., red.; EL'KIND, V.D., tekhn. red.

[Technological principles of foundry practice] Tekhnologicheskie osnovy liteinogo proizvodstva. Moskva, Mashgiz, 1962. 527 p. (MIRA 15:3)

(Founding)

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PINK, M.N., inzh.; DEMIDOV, V.K., inzh.; RAGAZINA, M.F., nauchnyy red.; DANILOV, V.M., red.

[Methods for calculating the stability of pit sides in open-cut mining] O metodakh rascheta ustoichivosti otkosov otkrytykh gornykh vyrabotok. Moskva, TSentr.biuro tekhn.inform., 1960. 47 p. (MIRA 14:1)

1. Moscow. Gosudarstvennyy proyektnyy institut "Fundamentproyekt." (Strip mining) (Soil mechanics)

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USSR/Farm Animals. Cattle Q-2

Abs Jour : Ref Zhur - Biol., No 8, 1958, No 35622

Author : Regchaa U.
Inst : ~~Not Given~~
Title : Beef and Dairy Qualities of the Simmenthal Crossbreeds in the Mongolian People's Republic

Orig Pub : Zhivotnovodstvo, 1957, No 11, 80-84

Abstract : No abstract

Card : 1/1

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PRONIN, I.; KANGUN, S.; NEMIROVSKIY, R., (L'vov); RAGE, M.; KANTSEDIKAS, A.

In the republics of the Union. Mest.prom.i khud.promys. 3 no.2:22-23 F '62. (MIRA 15:2)

1. Nachal'nik Severo-Kazakhstanskogo upravleniya mestnoy promyshlennosti, g. Petropavlovsk, Severo-Kazakhstanskoy oblasti (for Pronin). 2. Nachal'nik tekhnicheskogo otdela Khar'kovskogo zavoda "Progress", Khar'kov (for Kangun). 3. Glavnyy inzhener Rizhskogo tekstil'nogo kombinata, Riga (for Rage).
(Russia--Manufactures)

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RAGEL' V. D.

Dissertation: "Peculiarities of the Development and Displacement of the Economy of Baraba, on the Examples of the Western Regions." Cand Geog Sci, Inst of Geography, Acad Sci USSR, Moscow, 1953. Referativnyy Zhurnal--Geologiya, Geografiya, Moscow, Jul 54.

SO: SUM No. 356, 25 Jan 1955

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GAKMAN, Emma L'vovna; RAGOZIN, N.A., inzhener, veduschiy redaktor; SHREYDER, A.V., kandidat tekhnicheskikh nauk, redaktor; PONOMAREV, V.A., tekhnicheskiy redaktor

[Zinc plating of parts] Diffuzionnoe tsinkovanie detalei. Moskva, Akad.nauk SSSR, 1956. 15 p. (Informatsiia o nauchno-issledovatel'skikh rabotakh. Tema 24, no.I-56-207) (MLRA 10:10)
(Zinc plating)

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

RAGCHAA, U., Cand Agr Sci -- (diss) "Milk and Meat Qualities of Simmenthalized Cattle of the Mongolian People's Republic and Ways for Its Improvement." Mos, 1957. 20 pp (All-Union Sci Res Inst of Animal Husbandry), 110 copies (KL, 49-57, 114)

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

RAGCHAA, U., aspirant

Meat and milk qualities of Simmenthal crosses in the Mongolian People's Republic. Zhivotnovodstvo 19 no.11:80-84 N '57. (MIRA 10:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhivotnovodstva. (Mongolia--Cattle)

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PHASE I BOOK EXPLOITATION SOV/5966

Ragdoyev, Aleksandr Georgiyevich

Prostranstvennyye nestatsionarnyye dvizheniya sploshnoy sredy s udarnymi volnami (Spatial Nonstationary Movements of Solids With Impact Waves) Yerevan, Izd-vo AN Armyanskoy SSR, 1961. 274 p. Errata slip inserted. 1000 copies printed.

Sponsoring Agency: Akademiya nauk Armyanskoy SSR. Institut matematiki i mekhaniki.

Resp. Ed.: G. A. Ambartsumyan; Ed. of Publishing House: A. G. Silkuni; Tech. Ed.: L. A. Azizbekyan.

PURPOSE: This book is intended for students in advanced courses at schools of higher technical education and for engineers working in the propagation of waves in continuous media.

COVERAGE: A number of nonstationary problems in the movement of a continuous medium in a half-space under the effect of shock waves and in the penetration of solids is examined. Both the linear and nonlinear problems of the movement of a continuous medium are solved for cases in which the medium is a

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compressible liquid or an elastic body. The book consists of two sections. Section I discusses propagation in depth of a shock wave moving along the surface of a half-space in a continuous medium occupying the lower half-space. Section II deals with the problem of the movement of a liquid under the effect of solids penetrating it in the direction of their vertical axis. Kh. A. Rakhmatulin and Prof. A. Ya. Sagomonyan proposed the problems for Ch. 2 of Section I, and for Chs. 1 and 2 of Section II. The author formulated the statement of the problems on the penetration of pressure in the isoentropic approximation and on the determination of wave fronts and the penetration of bodies of revolution into an inhomogeneous medium. Chs. 1 and 2 and part of Ch. 3 of Sections I and II constitute the substance of the author's candidate's thesis. The other results are from the period of his activity at the Institue of Mathematics and Mechanics AS Armenian SSR. The author gives only the results of his own investigations. The appendixes give graphs of the curves plotted from the derived formulas and the bases of some unproven formulas in the monograph. The solutions of problems in Section I can be applied to the solution of similar problems in Section II. The author thanks S. A. Ambartsumyan and D. G. Santrosyan. There are 65 references: 60 Soviet, 3 French, 1 German, and 1 English.

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1ST AND 2ND ORDERS

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A new type of percolator "Nera" with a dropping tap. Imre Némedy and János Ragettli. *Magyar Gyógyszerészeti Társaság Értesítője* 16, 82-5(1940).—The dropping tap has an opening of continuously decreasing size. It gives drops as prescribed by the pharmacopeias at a rate that can be kept const. for 4 days. The structure of the tap is shown by figures. S. S. de Finály

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1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

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The evaluation and proper storage of some important therapeutic preparations (tinctures and fluidextracts). II. Secale cornutum. János Ragettli. *Magyar Gyógyszerészlap. Tudomány Egészségügy* 16, 257-81(1940); cf. *C. A.* 34, 1128[8].—Fluidexts. prepd. according to Pharm. Hung. IV showed an increase of acidity on storage; other exts. became more alk. High temp. and sunlight during storage are detrimental to the alkaloid content; also alkalies dissolved from the glass are harmful. Storage in alkali-free, dark-colored bottles, completely filled with the liquid and closed by paraffined cork stoppers is recommended. The best temp. for storage is 0-15°. The alkaloid content and other characteristics should be detd. every 3 months. S. S. de Finály

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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1ST AND 2ND LETTER

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CA

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Evaluation and proper storage of some of the principal pharmaceutical preparations (tinctures, fluidextracts). János Ragettli. *Magyar Gyógyszerészlap. Társadalmi Értesítője* 15, 521-67(1939).—Digitalis tincture can be stored for years without any considerable changes in the dark and cold, provided it is kept in small, dark-colored glass bottles, completely filled, and sealed with paraffin. A criterion of proper storage is const. pH. The degree of decompn. of glucosides is shown by the fluorescence of digitoxose. Infusions can be stored in a similar manner for a long time.

S. S. de Finály

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Rapid testing of antifouling paints. **Rapid chemical testing.** M. Ragg (Klagenfurt, Austria). *Farbe u. Lack* 57, [illegible] (1951); [illegible] 45, 4162*a* (1952). The antifouling poisons which are effective against marine organisms must be present in more than lethal quantities in the laminary stratum overlying the coating. Though many other factors influence the performance of antifouling paints, the leaching rate of the poisons Cu, Hg, Zn can be detd. in testing app. in which a stationary panel is sprayed with sea water, or in which the panel is rotated in the sea water. In the former case, the panel is placed horizontally in a glass tank and sea water is circulated through glass pumps and a set of glass tubes with spray nozzles. In the latter, the panel is rotated vertically in a glass tank contg. sea water. The leaching rate is detd. by analysis of a water sample (*cf.* Ragg, *C.A.* 45, 9756*d*) with dithizone. Corrections were made for the content in Hg (0.03 γ), Cu (0.3 γ), and Zn (5.30 γ) in Baltic Sea water. Among results reported are the Cu loss of a coating; leaching gradually increased to a max. after 24 hrs., then fell off again. This explains the initial poor fouling resistance of some new coatings, and the gradual loss of their efficiency. The optimum Cu leaching rate averaged 0.196 g./sq. m. surface per day (24 hrs. of rapid test corresponded to 8-9 months in actual voyage). A coating of proven antifouling efficiency (exposure for 8 months in the Adriatic Sea) showed the following leaching rates in 1, 5, 15, 25, 35, 45, 55, 65, and 75 hrs. of spraying in γ/sq. dm./h: Hg, 760, 98, 34, 20, 16, 13, 9, 7.5, —; Cu, 40, 25, [illegible], 43, 39, 40, 50, —; Zn, 230, 47.5, 50, 47.5, 45, 40, 37.5, 35, 32.5, [illegible]. 55 hrs. rapid test corresponds to 14 months in voyage). The "poison shock" of very high initial leaching of Hg and Zn appears to cause the great efficiency of this coating by preventing the formation of an initial growth. Panels of the same coating only lasted 5 months in the Baltic. Fresh panels compared with those removed after 5 months in the Baltic indicated a drop in initial leaching in the latter to [illegible] γ for Hg, to [illegible] γ for Cu, and to [illegible] γ for Zn, and after 45 hrs. of rapid test, the leaching rates of the latter panels were [illegible] γ for Hg, [illegible] γ for Cu, and [illegible] γ for Zn. Its failure thus is interpreted as caused by too rapid leaching and/or too low a Cu content. Panels were artificially aged by rotating them at 25-30° in water of increased salt content. The effect of increased Cu_2O content was in extended, not stronger, poison action. Other studies were on the effect of pH and of temp. HgO leached less at pH 6 than at pH 8. Ratings of 11 paints in submarine exposure tests checked well with their ratings by leaching only of Cu + Hg in the rapid test. ZnO is thought to act by pptg. Ca and thus depriving sea-fish of their shell-building materials.

Henry A. Goldstein

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

RAGG, M.

Rapid testing of antifouling paints. Rapid chemical testing. M. Ragg (Klagenfurt, Austria). *Farbe u. Lack* 57, 139-49(1951); cf. *C.A.* 45, 4403*a*.—The antifouling poisons which are effective against marine organisms must be present in more than lethal quantities in the laminary stratum overlying the coating. Though many other factors influence the performance of antifouling paints, the leaching rate of the poisons (Cu, Hg, Zn) can be detd. in testing app. in which a stationary panel is sprayed with sea water, or in which the panel is rotated in the sea water. In the former case, the panel is placed horizontally in a glass tank and sea water is circulated through glass pumps and a set of glass tubes with spray nozzles. In the latter, the panel is rotated vertically in a glass tank contg. sea water. The leaching rate is detd. by analysis of a water sample (cf. Ragg, *C.A.* 45, 875*d*) with dithizone. Corrections were made for the content in Hg (0.03 γ), Cu (0.3 γ), and Zn (5-30 γ) in Baltic Sea water. Among results reported are the Cu loss of a coating; leaching gradually increased to a max. after 24 hrs., then fell off again. This explains the initial poor fouling resistance of some new coatings, and the gradual loss of their efficiency. The optimum Cu leaching rate averaged 0.166 g./sq. m. surface per day (24 hrs. of rapid test corresponded to 8-9 months in actual voyage). A coating of proven antifouling efficiency (exposure for 8 months in the Adriatic Sea) showed the following leaching rates in 1, 5, 15, 25, 35, 45, 55, 65, and 75 hrs. of spraying (in γ/sq. dm.): Hg, 760, 96, 34, 20, 16, 13, 9, 75, —; Cu, 40, 25, 31, 31, 43, 39, 40, 50, —; Zn, 230, 47.5, 50, 47.5, 45, 40, 37.5, 35, 32.5. (85 hrs. rapid test corresponds to 14 months in voyage.) The "poison shock" of very high initial leaching of Hg and Zn appears to cause the great efficiency of this coating by preventing the formation of an initial growth. Panels of the same coating only lasted 5 months in the Baltic. Fresh panels compared with those removed after 5 months in the Baltic indicated a drop in initial leaching in the latter to $^1/_{21}$ for Hg, to $^1/_{30}$ for Cu, and to $^1/_{16}$ for Zn; and after 45 hrs. of rapid test, the leaching rates of the latter panels were $^1/_{10}$ for Hg, $^1/_{30}$ for Cu, and $^1/_4$ for Zn. Its failure thus is interpreted as caused by too rapid leaching and by too low a Cu content. Panels were artificially aged by rotating them at 25-30° in water of increased salt content. The effect of increased Cu_2O content was in extended, not stronger, poison action. Other studies were on the effect of pH and of temp. (HgO leached less at pH 6 than at pH 8). Ratings of 11 paints in submarine exposure tests checked well with their ratings by leaching (soly. of Cu + Hg/hr.) in the rapid test. ZnO is thought to act by pptg. Ca and thus depriving shellfish of their shell-building materials.

Henry A. Goldsmith

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

RAGG, M.

Rapid testing of antifouling paints. Rapid chemical testing. M. Ragg (Klagenfurt, Austria). *Farbe u. Lack* 57, 139-49(1951); cf. *C.A.* 45, 4463*a*.—The antifouling poisons which are effective against marine organisms must be present in more than lethal quantities in the laminary stratum overlying the coating. Though many other factors influence the performance of antifouling paints, the leaching rate of the poisons (Cu, Hg, Zn) can be detd. in testing app. in which a stationary panel is sprayed with sea water, or in which the panel is rotated in the sea water. In the former case, the panel is placed horizontally in a glass tank and sea water is circulated through glass pumps and a set of glass tubes with spray nozzles. In the latter, the panel is rotated vertically in a glass tank contg. sea water. The leaching rate is detd. by analysis of a water sample (cf. Ragg, *C.A.* 45, 875*d*) with dithizone. Corrections were made for the content in Hg (0.03 γ), Cu (0.3 γ), and Zn (5-30 γ) in Baltic Sea water. Among results reported are the Cu loss of a coating; leaching gradually increased to a max. after 24 hrs., then fell off again. This explains the initial poor fouling resistance of some new coatings, and the gradual loss of their efficiency. The optimum Cu leaching rate averaged 0.166 g./sq. m. surface per day (24 hrs. of rapid test corresponded to 8-9 months in actual voyage). A coating of proven antifouling efficiency (exposure for 8 months in the Adriatic Sea) showed the following leaching rates in 1, 5, 15, 25, 35, 45, 55, 65, and 75 hrs. of spraying (in γ/sq. dm.): Hg, 760, 96, 34, 20, 16, 13, 9, 75, —; Cu, 40, 25, 31, 31, 43, 39, 40, 50, —; Zn, 230, 47.5, 50, 47.5, 45, 40, 37.5, 35, 32.5. (65 hrs. rapid test corresponds to 14 months in voyage.) The "poison shock" of very high initial leaching of Hg and Zn appears to cause the great efficiency of this coating by preventing the formation of an initial growth. Panels of the same coating only lasted 5 months in the Baltic. Fresh panels compared with those removed after 5 months in the Baltic indicated a drop in initial leaching in the latter to $^1/_{12}$ for Hg, to $^1/_{30}$ for Cu, and to $^1/_{10}$ for Zn; and after 45 hrs. of rapid test, the leaching rates of the latter panels were $^1/_{16}$ for Hg, $^1/_{80}$ for Cu, and $^1/_4$ for Zn. Its failure thus is interpreted as caused by too rapid leaching and by too low a Cu content. Panels were artificially aged by rotating them at 25-30° in water of increased salt content. The effect of increased Cu_2O content was in extended, not stronger, poison action. Other studies were on the effect of pH and of temp. (HgO leached less at pH 6 than at pH 8). Ratings of 11 paints in submarine exposure tests checked well with their ratings by leaching (soly. of Cu + Hg/hr.) in the rapid test. ZnO is thought to act by pptg. Cu and thus depriving shellfish of their shell-building materials.

Henry A. Goldsmith

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

ACC NR: AP6024715 SOURCE CODE: CZ/0049/66/000/002/0099/0104

AUTHOR: Sempio, Cesare--Sempio, Ch. (Perugia); Majernik, Ondrej--Mayernik, O. (Bratislava); Raggi, Vittorio (Perugia)

ORG: [Sempio; Raggi] Institute of Botanical Pathology, University of Perugia, Perugia (Instituto di Patologia Vegetale di Universita Perugia); [Majernik] Botanical Institute, Slovak Academy of Sciences, Bratislava

TITLE: Water loss and stomatal behavior of bean (Phaseolus vilgaris L.) infected by Uromyces appendiculatus (pers.) link

SOURCE: Biologia, no. 2, 1966, 99-104

TOPIC TAGS: fungus, plant disease, plant metabolism, plant respiration, transpiration, plant parasite

ABSTRACT: The total transpiration rate of beans infected by the fungus Uromyces appendiculatus was determined by the method of Ivanov, Silina and Tselniker (1950). The state of stomata was simultaneously investigated during the pathogenesis of the rust disease. When compared to controls, the respiration rate of the infected beans was reduced at the beginning of the infection; at later stages the leaves transpired more than the healthy ones. The break down of the photo- and hydroreactions caused by the parasite was found by observation of stoma-

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ACC NR: AP6024715

ta. The stomatal opening of diseased leaves is limited by temperature. In diseased leaves the width of the aperture is not related to the intensity of transpiration. Orig. art. has: 5 figures. [Orig. art. in Eng.] [JPRS: 35,814]

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

CHANDRASEKHARAN, K.; RAGHAVAN NARASIMHAN (Bombay)

Hecke's functional equation and the average order of arithmetical functions. Acta arithmetica 6 no.4:487-503 '61.

1. Tata Institute of Fundamental Research, Bombay.

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

The biological rapid-testing of ship-bottom paints. M. Ragg (Klagenfurt, Austria). *Farbe u. Lack* 57, 287-91, 352-6(1951); cf. *C.A.* 45, 5044c.—Antifouling paints and antifouling poisons in soln. were studied by exposing them to selected marine organisms at suitable stages of development. This was done under the microscope in small dishes or within plastic rings, sealed to glass slides, with paraffin wax. When nauplii of balanids or of copepods or the larvae of polychaetes were used for such tests the length of time required to poison then was proportional to ratings obtained with panels actually suspended in the ocean. Similar correlations were possible when leeches or starfish were used. In similar tests made with algae, *Enteromorpha* and Monadina were generally more sensitive to the poisons than *Chlamydomonas* and the toxic action of Cu_2O and CuCNS was greatest, that of HgO less, and that of ZnO lowest. Algae and marine animals were similarly affected by toxic action, with the efficiency falling from Cu_2O and CuCNS, through HgO, $HgCl_2$, $HgBr_2$, and $Hg(CNS)_2$, to the relatively ineffective ZnO, As_2O_3, and $Hg(CN)_2$. However, Cu_2O and CuCNS were more effective than HgO in the case of algae, while all three were nearly alike in their action on the animals. Poisonous action on marine bacteria was also studied. Sea-water agar columns to which the bacterial cultures had been added just before gelation were placed in contact with the paints, and the height of the sterile part of the columns was used to measure the toxicity of the paints. Hydrazine sulfate was very toxic for bacteria, but not for other organisms, and, therefore, not good in antifouling. Pb arsenate was without any value. Henry A. Goldsmith

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26

The poison concentration in the laminar zone and the resistance of the growth organisms against the action of poisonous ship-bottom paints. M. Ragg (Klagenfurt, Austria). *Farbe u Lack* 58, 99-102, 151-6(1952); cf. *C.A.* 45, 8754. The laminar zone of water adhering to the surface of a ship is estd. to be 0.01 mm. thick when the ship moves 10 m./sec. or 36 km./hr. To det. the concn. of Cu ions in such a zone a panel (15 × 20 cm.) coated with paint contg. Cu_2O was immersed 10 mm. deep in a suitable glass dish contg. 300 ml. of sea water and left there for a brief interval; the sea water was next removed and it was detd. that the Cu concn. rose quickly and reached 300-400 γ/l. in 10-20 min. The panel was then taken out, allowed to drain, and the adhering film (0.6 g.) of sea water was collected by rinsing or by blotting with dry filter paper; the Cu concn. in the film was 10-30 mg./l., or 10 times as high as in the balance of the water. (Similar results were obtained with ZnO paints.) Thus, the concn. of Cu in the laminar zone considerably exceeded the lethal concn. of Cu required for zoöplankters (1.25 mg./l.) and for algae (0.67 mg./l.). Tests with harpacticides (which crawl on the floor but never float) in vessels painted with Cu resinate or HgO either on their floors or in their sides showed 87.8 of the organisms killed by remote action as against 100 killed by direct contact; the water from these vessels also was toxic for these animals. The soly. of Hg or Cu oxides in sea water is not the same as their soly. in distd. water because of their reactions with the salts in the former. Thus, sea water of pH 8.0, shaken 24 hrs. with various Cu salts, contained the following concns. of Cu (mg./l.): $CuSO_4$, 0.70; $CuCl_2$, $CuCO_3$, Cu_2O, 0.60; CuO, 0.08; CuCN, 6.00; CuCNS, 2.20. Pigments are therefore best tested by shaking them with sea water (3.5% salts), filtering off insols., and using the soln. for toxicity tests against suitable organisms. The toxic action of HgO, $HgCl_2$, EtHgCl, ZnO, Cu_2O, CuCNS, and CuCN against a no. of growth organisms is tabulated (cf. Hoffmann, *C.A.* 45, 2618g); EtHgCl was particularly effective but is objectionable because of its toxicity to humans. Similar tables are given for the action of HgO, EtHgCl, ZnO, Cu_2O, and CuCNS on phytoplankton, for their action on algae, and for the relation between poison concn. and time required for lethal action against balanides. The toxic action of Cu_2O and ZnO is synergistic against monadina in ratios from 0.3:3.0 to 0.3:10.0, but this effect is not noticed with zoöplankters. H. A. G.

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CA

7

Electricity versus ship-bottom paints Manfred Ross (Klagenfurt, Austria) *Farbe u. Lack* 56, 197-202 (1950). Various suggestions to protect ships electrically or by galvanic elements are reviewed. H. A. G.

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26

Protection of iron by painting. Manfred Ragg (Schloss Magereggg, Klagenfurt, Austria). *Werkstoffe u. Korrosion* 3, 11-17(1952).—The various factors influencing the protective value of paints are discussed. The preliminary treatment of the iron surface is described as well as the individual processes involved in the formation of a protective paint film.

M. F. Quaely

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

Note on crockery manufacture on cottage industry basis in India. N. V. RAGHUNATH *Trans. Indian Ceram. Soc.*, 5 (3) 151-57 (1946). Compared with the progress of various types of crockery industries in Czechoslovakia, Germany, Japan, England, and the U. S., the Indian ceramic industry is in its infancy. Factors on which its growth will depend are raw material surveys and supplies, education of labor, and the development of more efficient firing methods. Various hydroelectric schemes being planned will enable the use of well controlled electric kilns. Recommendations for these factors applied to cottage industry are outlined. M.P.H.

METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

RAGIB, Sokolija (Eng.) and MILOS, Matejko (Eng.)

"The coal supply of the thermal electric station Kakanj"

SO: ELEKTROPRIVREDA, May - June 1955

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

RAGIMOV, A.M. (Baku)

Our beacons. Apt. delo 13 no.4:65-67 Jl-Ag '64. (MIRA 18:3)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

RAGIMOV, M.A.; RASULOVA, G.B.

Cultivation of Aloe arborescens in Azerbaijan. Izv.AN Azerb. SSR.Ser.biol.i med.nauk no.6:9-15 '62. (MIRA 15:12)
(AZERBAIJAN--ALOE)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

RAGIM-ZADE, F.K.

Mountain meadow-steppe soils in the Gorno-Altai and the Lesser Caucasus. Trudy Biol. inst. Sib. otd. AN SSSR no.12:30-39 '64. (MIRA 18:7)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

RAGIM-ZADE, M.S.

Conditioned reflex activity of some bee strains as affected by climatic conditions. Izv.AN Azerb.SSR.Ser.biol.i med.nauk no.1:131-138 '61. (MIRA 14:6)
(Bees) (Conditioned response) (Bioclimatology)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

RAGIM-ZADE, M.S.

Conditioned reflex activity of some bee strains as related to climatic condition. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no.2:87-94 '61. (MIRA 14:6)
(BEES) (CONDITIONED RESPONSE) (BIOCLIMATOLOGY)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

LOPATINA, N.G.; RAGIM-ZADE, M.S.

Efficiency of various races of bees under different ecologic conditions. Vop. ekol. 7:102-103 '62. (MIRA 16:5)

1. Institut fiziologii imeni I.P.Pavlova AN SSSR, Leningrad. (Bees)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

[illegible], M.S.

[illegible] ier [illegible] different
cases of the [illegible] (Myxomycetes, Fungi).
Fit, obraz. 42 no.4:77[illegible] 1958. (MIRA 11:8)

1. Institut fizicheskoi [illegible] N.F. [illegible] Leningrad.

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

RAGIMOV, A.; METLOV, N.

Seminar on agricultural water supply and pasture irrigation. Gidr. i mel. 14 no.10:59-60 O '62. (MIRA 15:11)

1. Gosudarstvennyy komitet Soveta Ministrov RSFSR po vodnomu khozyaystvu.
(Water supply—Congresses)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

[illegible], A.F., Kand. ve. sci — (diss) "Concerning the [illegible] of the stress of [illegible] from the smallpox of [illegible]," Novocherkassk, 1960, 16 pp (Novocherkassk Zooveterinary Institute in First Cavalry Army) (KL, 33-60, 142)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

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

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

(Oil wells--Hydraulic fracturing)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

BAGI[illegible], A. P.

BAGI[illegible], A. P. -- "Investigation of the Binder Equipment of Flax-Harvesting Machinery and Establishment of Optimum Parameters of Equipment for Harvesting Long-Staple Flax." Joint Academic Council, All-Union Sci Res Inst of the Mechanization of Agriculture (VIM), and All-Union Sci Res Inst of the Electrification of Agriculture (VIESKh). Moscow, 1955. (Dissertation for the Degree of Candidate in Technical Sciences)

SO: ACE Knizhnaya Letopis' No 4, 1956

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

DZHALIL-ZADE, G.N.; ASKEROV, A.G.; RAGIMOV, A.I.; NADZHAFOV, N. I.; DZHABAROVA, N.M.

Effect of depth on technical and economic indices of test well drilling. Trudy AzNII DN no.9:194-202 '60. (MIRA 14:5)
(Azerbaijan—Oil well drilling)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

RAGIMOV, A.S.

Oil and gas potentials of the Upper Jurassic in the Tertar and Araks interfluve (northeastern foothills of the Lesser Caucasus). Dokl. AN Azerb. SSR 20 no.4:45-49 '64. (MIRA 17:7)

1. Azerbaydzhanskiy nauchno-issledovatel'skiy institut po dobyche nefti. Predstavleno akademikom AN AzSSR A.A.Ali-zade.

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

MUSAYEV, M.A.; RAGIMOV, A.S.; GVOZDENKO, T.M.

Effect of cultivation conditions on variations in the varietal characteristics of peppers. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no.11:47-56 '61. (MIRA 15:3)
(PEPPERS)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

RAGIMOV, A.S.

Effect of seeding methods on the biological properties and yields of soybeans. Izv.AN Azerb.SSR.Ser.biol.i med.nauk no.1:33-45 '61. (MIRA 14:6)

(Soybean) (Sowing)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

RAGIMOV, A. S.

Cand Agr Sci - (diss) "Study of square-nest method of planting soybean in grain form in the Khabarovskiy Kray." Baku, Pub. Academy of Sciences Azerbaydzhan SSR, 1961. 22 pp; (Ministry of Agriculture RSFSR, North Ossetin Agr Inst); 200 copies; price not given; (KL, 10-61 sup, 222)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

RAGIMOV, A.S.

Effect of different planting methods on root nodule formation in soybeans. Izv.AN Azerb.SSR.Ser.biol.i med.nauk 3:37-40 '61. (MIRA 14:7)

(Soybean) (Root tubercles)
(Plants, Space arrangement of)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

BERLIN, A.A.; RAGIMOV, A.V.; LIOGON'KIY, B.I.

Polysulfophenylene quinones. Izv. AN SSSR.Otd.khim.nauk no.10:1863-1865 O '62. (MIRA 15:10)

1. Institut khimicheskoy fiziki AN SSSR.
(Benzoquinone) (Benzidinesulfonic acid)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

L 41762-65 EPF(c)/EWP(j)/EWA(c)/EWT(m)/T Pc-4/Pr-4 RM

ACCESSION NR: AP4033384 S/0062/64/000/004/0593/0600

26
B

AUTHOR: Ragimov, A. V.; Liogon'kiy, B. I.; Berlin, A. A.

TITLE: Oxidation-reduction potentials and electron exchange properties of some polyarylenquinones

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 4, 1964, 593-600

TOPIC TAGS: oxidation reduction potential, electron exchange, ion exchange, polyarylenquinone, pi pi conjugation

ABSTRACT: The polymers with electron-exchange properties are used for removing oxygen from water, as models for biological catalysts and in the analytical chemistry. Interesting properties can be expected if electron exchange and ion exchange groups are in the π-π-conjugation. These systems must be more refractory, of a greater stability for solvents, and irradiation durability. The authors investigated experimentally the electron-exchange and ion exchange properties of polyarylenquinones of the general formula

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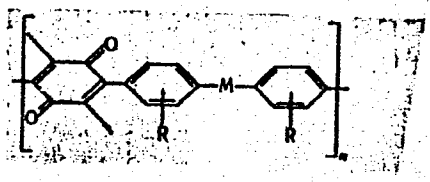
L 41762-65

ACCESSION NR: AP4033384



Orig. art. has: 1 graph, 2 tables and 2 formulas.

ASSOCIATION: None

SUBMITTED: 21Oct63 ENCL: 00 SUB CODE: GC, OC

NR REF SOV: 004 OTHER: 007

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APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

ACCESSION NR: AP4037243 S/0062/64/000/005/0909/0912

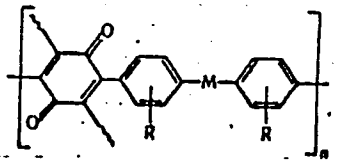
AUTHOR: Dulov, A. A.; Liogon'kiy, B. I.; Ragimov, A. V.; Slinkin, A. A.; Berlin, A. A.

TITLE: Electrical and magnetic properties of polyarylenequinones

SOURCE: AN SSSR. Izv. Seriya khimicheskaya, no. 5, 1964, 909-912

TOPIC TAGS: organic semiconductor, semiconducting polymer, polyarylenequinone

ABSTRACT: A study has been made of the electrical and paramagnetic properties of polyarylenequinones (I) with the general formula



and x-ray diffraction patterns have been recorded. Polymers I

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

ACCESSION NR: AP4037243

were synthesized from the quinone and the bisdiazotized diamines. Their structure was linear or three-dimensional depending on the reactant ratio (1/1 or 1/3; or 1/1 and cross linked with benzidine). The temperature dependence of d-c electrical conductivity for pellet samples of I was determined in the range 100—350C at 10^{-5} mm Hg. A correlation was found between molecular structure, packing density, and electrical properties. Reduction of the backbone quinone radicals to the stable semiquinone form resulted in a sharp rise in conductivity (the change in activation energy remained small). This is believed to confirm the participation of unpaired electrons in the conduction process. This research was conducted at the Institute of Chemical Physics, Academy of Sciences SSSR, and the Institute of Organic Chemistry imeni N. D. Felinskiy, Academy of Sciences SSSR. Orig. art. has: 1 formula, 2 figures, and 1 table.

ASSOCIATION: Institut khimicheskoy fiziki Akademii nauk SSSR (Institute of Chemical Physics, Academy of Sciences SSSR); Institut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk SSSR (Institute of Organic Chemistry, Academy of Sciences SSSR)

Card 2/3

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

LIOGONEKIY, B.I.; RAGIMOV, A.V.; ASKEYEV, Yu.G.; BERLIN, A.A.

Spectral study of polymeric arylene quinones and some products of their transformation. Vysokom. soed. 7 no.4:661-669 Ap '65. (MIRA 18:6)

1. Institut khimicheskoy fiziki AN SSSR.

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

L 16067-65 EWG(j)/EWT(m)/EPF(c)/EPF(n)-2/EWP(j)/T/EWA(h)/EWA(1) Pc-4/
Pr-4/Peb/Pu-4 GG/RM

ACCESSION NR: AP4046086 S/0076/64/038/009/2316/2319

AUTHOR: Kiseleva, Ye. D.; Ragimov, A. V.; Chmutov, K. V.; Berlin, A. A.; Kliyentovskaya, M. M.; Bryushkova, T. A.

TITLE: Effect of an ionizing radiation current of accelerated electrons on polysulfophenylenequinone cationites

B

SOURCE: Zhurnal fizicheskoy khimii, v. 38, no. 9, 1964, 2316-2319

TOPIC TAGS: polysulfophenylenequinone cationite, ionite P3, ionite P4, ionite PS-3, radiation stability, accelerated electron radiation, radiolysis, dry atmosphere radiation, EPR spectrum, double bond oxidation

ABSTRACT: The stability of polysulfophenylenequinone cationites subjected to accelerated electron current radiation in water and in a dry atmosphere was investigated. The conjugated bond-containing ionites were obtained by reaction, in a weakly alkaline medium, of p-benzoquinone (I) with salts of bisdiazotised benzidinedisulfonic acid-2, 2 (II) (I:II=1:3 for ionite P3 and 1:4 for ionite P4) or

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ACCESSION NR: AP4046086

stilbenedisulfonic acid-2, 2(III) (I:III=1:3 for ionite PS-3). Radiation conditions: electron energy=4.0-4.2 ME, current strength = 5-10 milliamps, dosage = 1-3 x 10^{19} ev/gm. sec. On irradiation in water the capacity and weight of the cationites was reduced and swelling increased with increasing dosage. Destruction was believed to have been caused by oxidation of the quinone-hydroquinone group in P3 and P4 and oxidation of the double bond in PS-3 by the products of water radiolysis. On irradiation in the absence of water the radiation stability was considerably increased. The increased ion exchange capacity of the irradiated PS-3 cationite was explained due to the formation of carboxyl groups at the site of the double bond rupture. The stability to ionizing radiation by accelerated electrons was increased by an increasing amount of hydroquinone in the cationite; stability of the cationites decreased in the following order: P3 >P4 >PS-3. EPR signals of the irradiated samples showed an increased number of unpaired electrons attributed to formation of new radicals due to the C-S bond rupture. Orig. art. has: 5 figures and 2 tables.

ASSOCIATION: Akademiya nauk SSSR Institut fizicheskoy khimii (Academy of

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APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

L 16067-65

ACCESSION NR: AP4046086

Sciences SSSR Institute of Physical Chemistry)

SUBMITTED: 24Apr64 ENCL: 00

SUB CODE: GC, EM, GP NO REF SOV: 002 OTHER: 000

Card 3/3

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

L 60990-65 EPA(s)-2/EWT(m)/EPF(c)/EPF(n)-2/EWP(j)/T/EWP(z)/EWP(b) Pc-4
Pr-4/Ps-4/Pt-7/Pu-4 WW/RM/WH

ACCESSION NR: AP5019788 UR/0076/65/039/007/1590/1594 52
538.113+547 49
B

AUTHOR: Dulov, A. A.; Liogon'kiy, B. I.; Ragimov, A. V.; Slinkin, A. A.; Berlin, A. A.

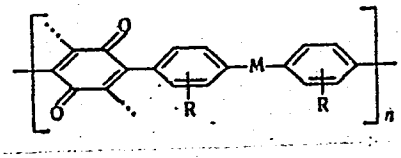
15

TITLE: Study of the electric properties of polymeric semiquinones

SOURCE: Zhurnal fizicheskoy khimii, v. 39, no. 7, 1965, 1590-1594

TOPIC TAGS: polyarylenesemiquinone, polyarylenequinone, electric conductivity

ABSTRACT: The electrical conductivity of polyarylenesemiquinones and the role played by unpaired electrons in the conductivity were investigated. The polymers had the general formula



It was shown that when polyarylenequinones are converted to polysemiquinones, the

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ACCESSION NR: AP5019788

electrical resistance decreases, while the activation energy remains practically constant (in polymers which do not contain the sulfo group). At low temperatures, the increase in electrical conductivity resulting from the reduction of polyarylene-quinones to the semiquinone form is due to the appearance of unpaired electrons. During heating, recombination of the semiquinone radical centers takes place or quinhydrone complexes are formed. The rise in electrical conductivity is caused by the formation of segments having a greater number of conjugated bonds and by the increase in the exchange between these segments. Polarization at high temperatures in reduced polymers which do not contain the sulfo group is not related to the ionic conduction mechanism. Orig. art. has: 2 figures, 1 table.

ASSOCIATION: Institut khimicheskoy fiziki, Akademii nauk SSSR (Institute of Chemical Physics, Academy of Sciences, SSSR); Institut organicheskoy khimii, Akademii nauk SSSR (Institute of Organic Chemistry, Academy of Sciences, SSSR)

SUBMITTED: 17Feb64 ENCL: 00 SUB CODE: OC, EM

NO REF SOV: 005 OTHER: 002

Card 2/2

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

L 13812-66 EWT(m)/EWP(j)/T RM

ACC NR: AP6002470 (A) SOURCE CODE: UR/0191/66/000/001/0003/0006

42
41
B

AUTHORS: Berlin, A. A.; Kefeli, T. Ya.; Belkin, A. A.; Ragimov, A. V.; Liogon'kiy, B. I.; Brikenshteyn, Kh. A.

ORG: none

TITLE: On the catalytic and inhibiting influence of certain polysulfophenylquinones on the telomerization condensation reaction

SOURCE: Plasticheskiye massy, no. 1, 1966, 3-6

TOPIC TAGS: polymer, polymerization, catalytic polymerization, high polymer, polymerization kinetics, polymerization rate

44,55

ABSTRACT: The catalytic and inhibiting effects of polysulfophenylquinone (obtained by reacting p-benzoquinone with bis-diazotized benzidine-disulfo-2,2' acid (PSFKh-3) in the mole ratio of 1:3) on the condensation telomerization of digoesteracrylates, dimethylmethacrylate of diethylene glycol (MD) and dimethylmethacrylate-bis-diethyleneglycol)phthalate (MDF-1) were studied. The method used was that described by A. A. Berlin, T. Ya. Kefeli, and G. V. Korolev (Khim. prom., No. 12, 12, 1962). The kinetics of water elimination during the synthesis of MD in the presence of sulfuric acid and PSFKh-3, and the effect on PSFKh-3 of the ion exchange properties of synthesized esters were investigated. The experimental

Card 1/2 UDC: 678.764.43:678.044.1:547.567

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L 13812-66

ACC NR: AP6002470

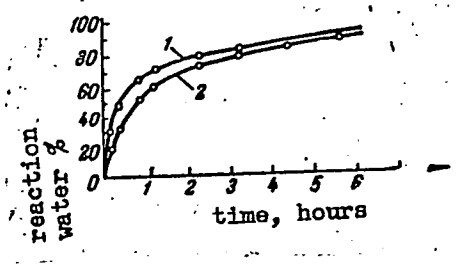

Fig. 1. Kinetics of elimination of water reaction during the synthesis of MD. 1 - in presence of sulfuric acid; 2 - in presence of PSFKh-3.

results are presented in tables and graphs (see Fig. 1). It was found that the highest yield of polymer was obtained for an initial catalyst concentration of 25 wt. % and for catalyst particle size < 0.25 mm. Orig. art. has: 1 table, 3 graphs, and 1 equation.

SUB CODE: 07,11/ SUBM DATE: none/ ORIG REF: 012/ OTH REF: 002

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

L 21423-66 EWT(m)/EWP(j)/T/ETC(m)-6 WW/RM

ACC NR: AP6010120 (A) SOURCE CODE: UR/0190/66/008/003/0540/0547

AUTHOR: Berlin, A. A.; Ragimov, A. V.; Liogon'kiy, B. I.; Belova, G. V.

ORG: Institute of Chemical Physics, AN SSSR (Institut khimicheskoy fiziki AN SSSR)

TITLE: Synthesis and investigation of polyarylenequinones

SOURCE: Vysokomolekulyarnyye soyedineniya, v. 8, no. 3, 1966, 540-547

TOPIC TAGS: organic semiconductor, semiconducting polymer, heat resistant polymer, ion exchange resin, redox agent

ABSTRACT: New polyarylenequinones exhibiting redox and ion-exchange properties have been prepared by the reaction of p-benzoquinone with various bisdiazotized aromatic diamines. The diamines used were benzidine (polymer I), o-tolidine (II), 2,2'-benzidinedisulfonic acid (III), and 4,4'-diamino-2,2'-stilbenedisulfonic acid (IV). The polymer had linear (A) or network structures (AB):

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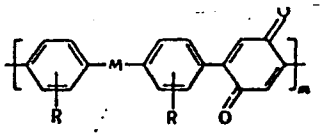
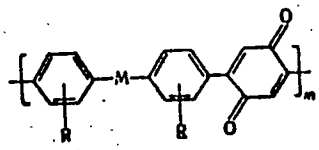
L 21423-66

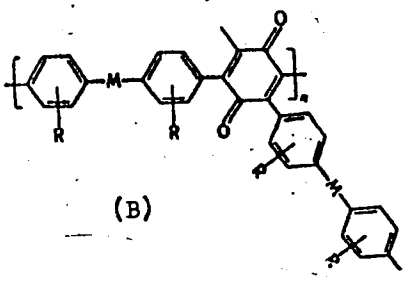
ACC NR: AP6010120



(A)



(A)



(B)

where M is -CH=CH- or absent. Structures A were obtained in the case of equimolar benzoquinone/amine ratios, and structures AB, in the case of excess amine. The polymers were light- to dark-brown powders. I and II were partly soluble in acetone, dimethylformamide, pyridine, nitrobenzene, quinoline, conc. H_2SO_4, and aqueous alkalies. Sulfonic acids III and IV were soluble or swelled in water, ethyl alcohol, dimethylformamide, and pyridine. Number-average molecular weights of the soluble fractions of I and II were 900—1500. It was shown that the reaction of benzoquinone with salts of aromatic or bisdiazo (as well as diazo) leads to the reduction of part of

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L 21423-66

ACC NR: AP6010120

the quinone groups to hydroquinone groups. The results of thermomechanical and thermogravimetric measurements showed that heating causes further polymerization. The polymers were resistant to thermal-oxidative degradation up to 250—300C and to thermal degradation in an inert atmosphere up to 600—700C. Orig. art. has: 2 figures and 3 tables. [SM]

SUB CODE: 11/ SUBM DATE: 16Apr65/ ORIG REF: 004/ OTH REF: 005/ ATD PRESS: 4221

Card 3/3 ULR

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

L 10878-66 EWT(m)/EWP(j)/T RPL RM

ACC NR: AP5028254 SOURCE CODE: UR/0379/65/001/004/0511/0518

AUTHOR: Liogon'kiy, B. I.; Ragimov, A. V.; Berlin, A. A.

ORG: Institute of Chemical Physics, AN SSSR, Moscow (Institut khimicheskoy fiziki AN SSSR)

TITLE: Preparation and study of stable polyradicals of semiquinone type

SOURCE: Teoreticheskaya i eksperimental'naya khimiya, v. 1, no. 4, 1965, 511-518

TOPIC TAGS: quinone, free radical, electron paramagnetic resonance

ABSTRACT: The treatment of polyarylenequinones (PAQ) with alcoholic alkali forms polyradicals of semiquinone type (PSQ), which were identified with EPR and IR spectra. It was found that in alcoholic alkali there occurs not only an oxidation of the hydroquinone form, but also a reduction of the quinone form of PAQ to semiquinone polyradicals, this being due to the electron-donor properties of the hydroxyl ion. The rate of formation of PSQ and their stability in alcoholic alkali were studied, and the semiquinone conversions of mono-, di-, tri-, and tetraphenylquinones were investigated for comparison. PSQ isolated in the solid form, washed, and dried under vacuum at room temperature retained a strong EPR signal in air for many weeks. They also proved stable on heating in air and in a vacuum at

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

L 10878-66
ACC NR: AP5028254

100—123C. The great stability of PSQ relative to that of low-molecular semiquinones is due to the presence of a conjugation chain and to the rigidity of the PAQ structure. The formation of unpaired electrons and their participation in conduction processes is confirmed by a sharp increase in electrical conductivity in passing from PAQ to PSQ. Orig. art. has: 7 figures and 1 table.

SUB CODE: 07 / SUBM DATE: 16Feb65 / ORIG REF: 010 / OTH REF: 004
18

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APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

L 2941-66 EWT(m)/EPF(c)/EWP(j)/T/EWA(c) WW/RM

ACCESSION NR: AP5024403 UR/0286/65/000/015/0082/0082

AUTHOR: Berlin, A. A.; Ragimov, A. V.; Kefeli, T. Ya.

TITLE: Preparative method for heat-resistant polymers. Class 39, No. 173412

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 15, 1965, 82

TOPIC TAGS: heat resistant polymer, ion exchange resin, esterification catalyst, semiconducting polymer, electron exchange resin

ABSTRACT: An Author Certificate has been issued for a preparative method for heat-resistant polymers from diazo compounds. To obtain a polymer with redox and ion-exchange properties, bisdiazotized benzidinesulfonic acid is reacted with quinones, e.g., benzoquinone. The polymer can be used as an esterification catalyst which simultaneously inhibits resinification and prepolymerization. [SM]

ASSOCAATION: none

SUBMITTED: 22Feb62 ENCL: 00 SUB CODE: OC,GC

NO REF SOV: .000 OTHER: 000 ATD PRESS: 4110

Card 1/1

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

DULOV, A.A.; LIOGON'KIY, B.I.; RAGIMOV, A.V.; SLINKIN, A.A.; BERLIN, A.A.

Electric properties of polymeric semiquinones. Zhur.fiz.khim. 39 no.7:1590-1594 Jl '65. (MIRA 18:8)

1. Institut khimicheskoy fiziki i Institut organicheskiy khimii AN SSSR.

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

ASHIMOV, M.A.; RAFIYEV, M.M.; RAGIMOV, F.M.; KANZAVELI, S.Ye.

Studying the synthesis of surfactants and detergents from aromatic hydrocarbons contained in Azerbaijan petroleums for the purpose of developing raw material resources for "Azolate-B". Azerb. neft. khoz. 39 no.11:38-40 N '60. (MIRA 13:12)

(Azerbaijan--Petroleum products)
(Surface active agents)

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

ACC NR: AP7002568 (A,N) SOURCE CODE: UR/0413/66/000/023/0059/0059

INVENTOR: Ragimov, F.Ya.; Lapshin, V.I.; Koloshnikov, V.G.

ORG: none

TITLE: Instrument for measuring plasma density. Class 21, No. 189100 [announced by Physics Institute im P.N. Lebedev (Fizicheskiy institut)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 23, 1966, 59

TOPIC TAGS: plasma density, plasma measurement, light interferometer

ABSTRACT: An Author Certificate has been issued for an instrument for measuring plasma density. The proposed instrument contains a monochromatic light source, a Fabry and Perot interferometer with one of its mirrors fixed, and a device for recording the light passing through the interferometer. To increase accuracy and to extend the range of the device, the plasma container overlaps half of the light flux of the interferometer, and the light-recording device has two photodetectors connected in a differentiating circuit for measuring the light flux which passes through the plasma, as well as the one unperturbed by the plasma. [JP]

SUB CODE: 20, 14/ SUBM DATE: 18Aug65/ ATD PRESS: 5114

Card 1/1 UDC: 533.9.082.5

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

GADZHIYEV, B.; SHIRINOV, I.; RAGIMOV, G.; RAFAEL', I.

Pre-October pledge of the petroleum workers of the Neftyanyye Kamni field. Neftianik 7 no.11:9 N '62. (MIRA 16:6)

1. Nachal'nik neftepromyslovogo upravleniya im. XXII s"yezda Kommunisticheskoy partii Sovetskogo Soyuza, Neftyanyye Kamni (for Gadzhiyev). 2. Zamestitel' sekretarya komiteta Leninskogo Kommunisticheskogo soyuza molodezhi neftepromyslovogo upravleniya imeni XXII s"yezda Kommunisticheskoy partii Sovetskogo Soyuza, Neftyanyye Kamni (for Rafael'). 3. Neftepromyslovoye upravleniye imeni XXII s"yezda Kommunisticheskoy partii Sovetskogo Soyuza, Neftyanyye Kamni (for Shirinov, Ragimov).
(Neftyanyye Kamni region—Oil well drilling, Sub[redacted]ine)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

GUSEINOV, M.M.; KASIMOVA, F.A.; KICHIYEVA, D.D.; RAGIMOV, G.A.

Hexachlorbenzene based on normal hexane. Azerb. khim. zhur. no.1:39-41 '65. (MIRA 18:7)

1. Institut neftekhimicheskikh protsessov AN AzerSSR.

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

RAGIMOV, G.M.

Striving for the title of an enterprise of communist labor. Neftianik 6 no.4:4-6 Ap '61. (MIRA 14:8)

1. Predsedatel' Gyurgyanskogo neftepromyslovogo komiteta profsoyuza rabochikh neftyanoy i khimicheskoy promyshlennosti.
(Neftyanyye Kamni region--Oil well drilling, Submarine)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

ACC NR: AP7002922 SOURCE CODE: UR/0167/66/000/005/0003/0009

AUTHOR: Rakhimov, G. R.; Sharipov, Kh.; Latipov, K. Sh.

ORG: Tashkent Polytechnic Institute (Tashkentskiy politekhnicheskiy institut)

TITLE: Resonance curves of two-circuit ferroresonance circuits

SOURCE: AN UzSSR. Izvestiya. Seriya tekhnicheskikh nauk, no. 5, 1966, 3-9

TOPIC TAGS: resonance curve, ferroresonance circuit, circuit design, volt ampere characteristic

ABSTRACT: A mathematical model for a two-circuit ferromagnetic circuit was derived, permitting an evaluation of the characteristics of an analog transmission line with axial-transverse compensation. The loop shaped volt-ampere characteristics and frequency characteristics or resonance curves were analyzed, approximating the magnetization of the coil with a ferromagnetic core. Two-circuit circuits, having loop-shaped volt-ampere characteristics, also have loop-shaped frequency characteristics. The region of multivalent frequency characteristics corresponds to the region of the change of the fundamental frequency of the circuit at a given value of applied voltage. The lowest frequency of possible autooscillation in the circuit may be higher or equal to the minimum fundamental frequency of the circuit. Orig. art. has: 24 formulas and 3 figures.

SUB CODE: 09/ SUBM DATE: 05Apr66/ ORIG REF: 007

Card 1/1

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

RAGIMOV, I.R., aspirant

Powdery mildew of potatoes in Azerbaijan. Zashch.rast.ot vred.i bol. 7 no.5:56 My '62. (MIRA 15:11)

1. Azerbaydzhanskiy nauchno-issledovatel'skiy institut zashchity rasteniy.
(Azerbaijan--Potatoes--Diseases and pests)
(Azerbaijan--Mildew)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

AGIMOV, K.S.

Effect of furrowing sloping fields on soil erosion and yields of farm crops. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no.6: 121-126 '60. (MIRA 14:9)

(AZERBAIJAN--TILLAGE)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

SEIDOVA, Kh.K.; RAGIMOV, K.S.

Effect of growth substances on corn yield on eroded soils in Shemakha District. Dokl.AN Azerb.SSR 16 no.10:981-985 '60. (MIRA 14:1)

(Shemakha District--Corn (Maize))
(Growth promoting substances)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

RAGIMOV, K.S.

Comparative evaluation of various types of soil tillage on eroded soils in Shemakha District. Trudy Sekt. eroz. AN Azerb. SSR 1:114-133 '61. (MIRA 15:8)

(Shemakha District--Tillage)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

RAGIMOV, K.S.

Effect of the direction of plowing slopes on the erosion of soils and yields of farm crops. Izv.AN Azerb.SSR.Ser.biol.i med.nauk no.1:139-144 '61. (MIRA 14:6)
(Shemakha District--Erosion) (Plowing)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6

RAGIMOV, K.S.; SEIDOVA, Kh.K.

Effect of erosion on some physical and chemical characteristics of soil and the yield of farm crops in Shemakha District. Izv.AN Azerb.SSR.Ser.biol.i med.nauk no.3:109-118 '62. (MIRA 15:9)
(SHEMAKHA DISTRICT--EROSION)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010020-6"