"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

S/129/63/000/002/013/014
E193/E383

AUTHORS: Goryachev, A.P. and Kopel'man-Serpukhova, E.I.

TITLE: The mechanical properties and structure of welded titanium alloys

PERIODICAL: Metallovedeniye i termicheskaya obrabotka metallov, no. 2, 1963, 57 - 59

TEXT: The object of the present investigation was to study the means of restoring to the heat-affected zone in binary titanium-alloy welds the mechanical properties impaired as a result of welding. Two alloys were used in the experiments: alloy A containing 0.04% C, 0.05% Si, 3.67% Al, 1.8% Mo and 0.007% Fe and alloy B with 0.06% C, 0.07% Si, 4.08% Al, 0.68% V, 2.3% Mo and 0.12% Fe. The welding operation was simulated by heating the test pieces to 1 300 °C at 30 °C/sec, holding at the temperature for 5 sec and cooling in air or in water. Part of the test pieces treated in this manner was then annealed for 1 h at 600, 650, 700 or 800 °C, after which both types of specimen were used for tensile and impact tests. Conclusions: 1) rapid heating followed by water-quenching brings about an increase in the UTS and yield point

Card 1/2

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

and a considerable decrease in elongation (from 10 - 3%) and impact strength (from 8-9 to 4-6 kgm/cm^2) of both the alloys studied. 2) The strength of both alloys after cooling in air is only slightly affected and their plasticity noticeably increases. 3) The degree of deterioration of the mechanical properties in the heat-affected zone can be reduced if the welded components are cooled through the 900-700 °C interval at a relatively slow rate (20 - 25 °C/sec). 4) The properties of the heat-affected zone in welds of the alloys studied can be restored to their initial value by annealing at 750 - 800 °C, followed by cooling in air. There are 1 figure and 1 table.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

[illegible] EWT(m)/EWP(v)/EWP(t)/EWP(k)/EWP(b) [illegible] IJP(c)/ASD(m)-3/AFETR JD/HM

[illegible] NR: AP[illegible]

AUTHOR: Goryachev, A. P. (Candidate of technical sciences)(Leningrad); Zelenin, V. A. (Engineer)(Leningrad)

TITLE: Mechanized TIG welding with deep penetration arc

14

B

SOURCE: Avtomaticheskaya svarka, no. 12, 1964, [illegible]

TOPIC TAGS: titanium alloy, TIG welding, arc welding

27

ABSTRACT: Experiments have been made to increase the depth of pene- [illegible] in mechanized TIG welding of [illegible] titanium- [illegible] plates 16 and 25 mm thick. It was found that in TIG welding at a constant arc voltage of 15 v, an increase in the current from 200 [illegible] amp increases penetration to [illegible] the electrode [illegible] be lowered [illegible] mm below the [illegible] maintain [illegible] voltage [illegible] the immersion [illegible] increasing volt- [illegible] arc and welding speed [illegible] required [illegible] maintain a preset arc voltage. [illegible] welding a [illegible]-mm thick plate at a speed of 15 m/hr and a voltage of [illegible] v, a depth of penetration of [illegible] mm was achieved. The utilization of the arc heat increases with

Card 1/2

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

ACC NR. AP5021191

...ATION: none

SUBMITTED: 01Feb64 ENCL: 00 SUB CODE: MM, IE

NO REF SOV: 005 OTHER: ... ATD PRESS: 3153

Card 2/2

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

GORYACHEV, A.S. (Kuybyshev)

Securing the interchangeability of flange-joint parts of some machine units. [Izd.] LONITOMASH 47:71-76 '58. (MIRA 11:10)
(Interchangeable mechanisms)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

GORYACHEV, A.S.

"Effect of Rigidity Factors of Structural Aircraft Joints on their Interchangeability."

report presented at the 13th Scientific Technical Conference of the Kuybyshev Aviation Institute, March 1959.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

GORYACHEV, A.V., BELOUSOV, V.V., KIRILLOVA, I.V., SORSKIY, A.A. and CHERTKOVA, Ye.I.

"Redistribution of material within curstal layers and folding," Sovetskaya geologiya [Soviet Geology], No 39, 1949.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

BELOUSOV, V.V.; OZOVSKIY, M.V.; GORYACHEV, A.V.

Structure of the Eastern Alps in connection with general tectonic concepts. Biul. MOIP. Otd. geol. 26 no.1:46-68 '51. (MIRA 11:5)
(Alps, Eastern—Geology, Structural)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

GORYACHEV, A.V.

BELOUSOV, V.V.; GZOVSKIY, M.V.; GORYACHEV, A.V.

Structure of the Eastern Alps in connection with general tectonic concepts. Article 2: Pre-Quaternary history of the Eastern Alps. Biul. MOIP. Otd. geol. 26 no.2:50-69 '51. (MIRA 11:5)
(Alps, Eastern--Geology, Stratigraphic)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

GALPERIN, Ye. I., GORYACHEV, A. V. and ZVEREV, S. M.

GORYACHEV, A. V.

"Crustal Structure Researches in the Transition Region from the Asiatic Continent to the Pacific." (Sub-title - "The Pacific Geologo-Geophysical Expedition.")

USSR Academy of Sciences, 1957; XII Seismology, No. 1, 31 pp. (Russian)
Special Committee for the International Geophysical Year.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

GORYACHEV, A. V., [illegible]DYNSKIY, V. V., VESSIELOV, K. E., GA[illegible]RIN, [illegible] I., SOLOVYEV, O. N.

"Complex Geologica and O. N. Soloviev on Complex Geologica Geophysical Investigations of the Crustal Structure in the Zone of Transition Between the Asiatic Continent and the Pacific Ocean."

Paper Presented at CSAGI Meeting, 30 Jul - 9 Aug 58, Moscow
Available in Library

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

GAL'PERIN, Ye.I., GORYACHEV, A.V., ZVEREV, S.M.; FEDYNSKIY, V.V., doktor fiziko-matematicheskikh nauk, otv. red.; SILKIN, B.I., red., izd-va.; RYLINA, Yu.V., tekhn. red.

[Studies on the structure of the Earth's crust in the transition region from the Asiatic continent to the Pacific; work of the Pacific geological and geophysical expedition of the Academy of Sciences of the U.S.S.R.] Issledovanie zemnoi kory v oblasti perekhoda ot Aziatskogo kontinenta k Tikhomu okeanu; raboty Tikhookeanskoi kompleksnoi geologo-geofizicheskoi ekspeditsii AN SSSR v 1957 g. Moskva, Izd-vo Akad. nauk SSSR. No. 1. [Twelfth section of the International Geophysical Year program (seismology)] XII razdel programmy MGG (seismologiia) 1958. 25 p. (MIRA 11:10)
(International Geophysical Year, 1957-1958)
(Seismology--Observations)
(Soviet Far East--Geology)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

GORYACHEV, Arkadiy Vasil'yevich; PETRUSHEVSKIY, B.A., otv.red.; MEL'NIKOVA, N.B., red.izd-va; RYLINA, Yu.V., tekhn.red.

[Mesozoic and Cenozoic structures, tectonic development, and seismicity of Lake Issyk-Kul' region] Mezozoisko-kainozoiskaia struktura, istoriia tektonicheskogo razvitiia i seismichnost' raiona ozera Issyk-Kul'. Moskva, Izd-vo Akad.nauk SSSR, 1959. 178 p. (MIRA 12:11)

(Issyk-Kul' region--Geology)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

GORYACHEV, A.V.

Special features in recent tectonics of the Kurile Island arc [with summary in English]. Sov. geol. 3 no.10:24-41 O'60. (MIRA 13:10)

1. Institut fiziki Zemli AN SSSR.
(Kurile Islands--Geology, Structural)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

Papers submitted for the 10th Pacific Science Congress, Honolulu, Hawaii 21 Aug-6 Sep 1961.

BUTINOV, N. A., Institute of Ethnology - "The ethnolinguistic groups in New Guinea" (Section II.A.7.C)

CHEKOTILLO, K. A., Institute of Oceanology - "The investigation of the horizontal and vertical circulation of waters during the winter period in the northern part of the Pacific Ocean" (Section VII.B)

DEMENT'YEV, G. P., and VINOKUROV, A. A., Chairman, Commission for Preservation of Nature, Academy of Sciences USSR - "The role of the birds of Siberia and the Far East of the USSR as possible spreaders of virus and rickettsial disease" (Section III.D.6)

DEERDSEYEVSKIY, B. L., Institute of Geography, Academy of Sciences USSR - "The analysis of some characteristic processes of atmospheric circulation over the Antarctic" (Section VII.D.1)

FAVORSKAYA, M. A., Institute of Geology - "Advances in recent magnetism investigations of the Pacific shores of the USSR" (Section VII.C)

GALERKIN, I. I., Institute of Oceanology - "On the seasonal variations of level near the coasts of the Pacific" (Section VII.B)

GERASIMOV, I. P., Institute of Geography - "Soil formation in the monsoon climate of the Far East and the influence of recent volcanism" "Present laterites and lateritic soils" (Section I.C)

GORYACHEV, A. V., Institute of Earth Physics imeni O. Yu. Schmidt - "Geotectonic conditions of the Kurile Kamchatkin zone as an example of structural reformation of the earth's crust in the northwestern part of the Pacific basin" (Section VII.C.2)

GEYNRIKH, A. K., Institute of Oceanology - "Specific features in the distribution of zooplankton in the tropical part of the Pacific Ocean" (Section III.C)

GLIKMAN, L. S., The Geological Museum imeni A. P. Karpinskiy, Academy of Sciences USSR - "Sharks' teeth found at the bottom of the Pacific Ocean" (Section III.C)

GORSHKOV, G. S., The Laboratory of Volcanology - "Petrochemical features of volcanism in relation to the types of the earth's crust" (Section VII.C.3)

GZUSE, A. P., Institute of Oceanology - "The stratigraphy of bottom sediments and the paleogeographical conditions of sedimentation in the Pacific" (Section VII.C.1)

IGNAT'YEV, Ye. I., Institute of Geography of Siberia and the Far East - "The original trends and results of medical geographical research in the Soviet Far East" (Section VIII.B.4)

KAGANOVSKIY, A. G., Pacific Ocean Scientific Research Institute of Marine Fishing and Oceanography - "The ichthyological materials collected during the Bering Sea expedition sponsored by the All-Union and Pacific Ocean Scientific Research Institute of Fishing and Oceanography in 1958-59" (Section VII.C)

KAMENKOVICH, V. M., Institute of Oceanology - "Method of computing stationary currents taking into account the effect of islands" (Section VII.B)

KANAYEV, V. F., Institute of Oceanology - "The submarine relief of the Kuril arc" (Section VII.C.1)

KASS, T. S., Institute of Oceanology - "Deep-sea fishes of the northern part of the Pacific and adjacent seas" (Section III.C)

KELEBOVICH, V. V., and UZHAKOV, P. V., Institute of Zoology - "Polychaeta of the seas in the northwest Pacific and problems of amphi-Pacific distribution" (Section III.C)

KHOCHEZHUA, G. G., Moscow State University, Physical Faculty - "The calculation of turbulent diffusion coefficients based upon the recordings of electroconductivity fluctuations and current rate at sea" (Section VII.B.5)

KITAYGORODSKIY, S. A., Institute of Oceanology - "Some regularities of the thermocline formation in the ocean" (Section VII.B)

KLAN'VA, M. V., and LAVROV, V. M., Institute of Oceanology - ".... (Illegible) and relief of the continental shelf of the western seaboard in southern Sakhalin" (Section VII.C.1)

KLUNOV, S. K., Institute of Oceanology - "The zoogeographical zonation of the Kuril Islands and in the waters of adjacent areas" (Section VI.D)

KOBLENTS-MISHK'E, Olga L., Institute of Oceanology - "A survey of data concerned with primary production in the northern part of the Pacific" (Section III.A)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

S/169/62/000/002/018/072
D228/D301

AUTHOR: Goryachev, A. V.

TITLE: The Kamtchatka earthquakes of May 4 and June 18, 1959, and the geologic conditions of their genesis

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 2, 1962, 18, abstract 2A131 (Byul. Soveta po seysmol. AN SSSR, no. 11, 1960, 32-44)

TEXT: One of the strongest (M = 7 3/4) Kamchatka earthquakes for the last 60 years occurred in Kamtchatka on May 4, 1959, with an epicenter in the Pacific Ocean 160 km to the east of Petropavlovsk. The pleistoseist region (8 points) occupied an enormous area -- from the southern part of the Gulf of Kronots in the north as far as the district to the south of Petropavlovsk in the south. Numerous fissures, principally on the slopes of the Pacific Ocean terraces, were formed together with extensive cave-ins on the east coast of Kamchatka and landslips. The direction of the fissures was not associated with the strike of geologic structures. The

Card 1/2

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

GORYACHEV, A. V.

"The Most Recent Tectonics in the Kurile Island Chain"

report presented at the First All-Union Conference on the Geology and Metallurgy of the Pacific Ocean Ore Belt, Vladivostok, 2 October 1960

So: Geologiya Rudnykh Mestorozhdeniy, No. 1, 1961, pages 119-127

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

PETRUSHEVSKIY, B. A., geolog; BELOUSOV, V. V., geolog; GZOVSKIY, M. V., geolg; GORYACHEV, A. V., geolog; KIRILLOVA, I. V., geolog; KRESTNIKOV, V. N., geolog; RASTVOROVA, V. A., geolog; REZANOV, I. A., geolog; SORSKIY, A. A., geolog.

Geologic principles of seismis division into districts. Studii astron seismol 6 no.2:181-186 '61.

1. Institut fiziki Zemli AN SSSR.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

GORYACHEV, A.V.

Basic characteristics of geotectonic conditions in the Kurile-Kamchatka folded zone. Dokl. AN SSSR 142 no.1:152-155 Ja '62. (MIRA 14:12)

1. Institut fiziki Zemli im. O.Yu. Shmidta AN SSSR. Predstavleno akademikom I.P. Gerasimovym.
(Kurile Islands--Geology, Structural)
(Kamchatka--Geology, Structural)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

GORYACHEV, A.V.

Relation between the seismicity and the present-day volcanism of the Kurile-Kamchatka zone of folding. Izv. AN SSSR. Ser. geofiz. no.11:1484-1496 N '62. (MIRA 15:11)

1. Institut fiziki Zemli AN SSSR.
(Kurile Islands--Earthquakes) (Kurile Islands--Volcanoes)
(Kamchatka--Earthquakes) (Kamchatka--Volcanoes)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

GORYACHEV, A.V.; YERSHOV, I.A.; KIRILLOV, F.A.; KUZIN, I.P.; LYAMZINA, G.A.; MEDVEDEV, S.V.; POPOV, V.V.; FEDOTOV, S.A.; SHTEYNBERG, V.V.

Seismic microzoning of the Petropavlovsk-Kamchatskiy area. Trudy Inst. fiz. Zem. 28 Vop. inzh. seism. no.8:3-60 '63. (MIRA 16:11)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

GORYACHEV, A.V.

Tectonic regions of Kamchatka and the Kurile Islands. Dokl. AN SSSR 153 no.4:899-902 D '63. (MIRA 17:1)

1. Institut fiziki Zemli im. O.Yu. Shmidta AN SSSR. Predstavleno akademikom I.P. Gerasimovym.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

GORYACHEV, A.V., nauchnyy sotrudnik

Forum of Soviet volcanologists. Zem. i vsel. 1 no.1:62-64 Ja-F '65. (MIRA 18:7)

1. Institut fiziki Zemli AN SSSR.

Earth

im O. Yu Shmidt
AS, USSR, Moscow

GORYACHEV, ARKADIY VASILIYEVICH

DATE OF BIRTH 14 June 1916
Place of Birth Moscow.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

GORYACHEV, B.A.

Photoelectric pyrometer. Zav. lab. 28 no.9:1131-1132 '62. (MIRA 16:6)

(Pyrometers)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

KRISHTAL, M.A.; GORYACHEV, B.A.

Effect of holding during the induction tempering of low-carbon steel. Izv. vys. ucheb. zav.; chern. met. 5 no.9:178-179 '62. (MIRA 15:10)

1. Tul'skiy mekhanicheskiy institut.
(Steel—Heat treatment)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

[illegible] AFDC(b)/AFMDC/ASD(a)-5/AFWL/SSD/ASD(m)-3/AFETR/

[illegible] /I041

[illegible] Ref. zh. Metallurgiya, Abs. 6I239

AUTHOR: Krishtal, M. A.; Goryachev, B. A.

[illegible] resonance and internal [illegible] during tempering with high-frequency currents

CITED SOURCE: Sb. Relaksats. yavleniya v met. i splavakh. M., Metallurgizdat, 1963, 150-154

TRANSLATION: Investigates the influence of the peculiarities of electromagnetic fields during induction heating on σ_b plasticity, and internal friction of low-[illegible] (~0.1% C). The annular samples were 30 mm in diameter, 10 mm high, [illegible] the diameter of the wire sample was [illegible] of the samples [illegible] induction hardening [illegible] after [illegible] was 123 - 127 kg/mm². The temperature of hardening and tempering (400 - [illegible] measured and regulated by an FP-18 photopyrometer. There was studied [illegible] of frequency of current during induction [illegible] the interval [illegible] during induction tempering on the

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

the influence of frequency of current during induction [illegible]
2650-250,000 cps and the duration of holding during induction tempering on the

Card 1/2

L 8600-65

ACCESSION NR: AR4044218

properties of steel. Curves of the dependence of σ_s on tempering temperature have minima in definite temperature intervals, depending on the frequency of the current. The presence of minima is associated with acceleration of tempering. After high- [illegible] ening and deformation of wire [illegible] was [illegible] oscillator RXF [illegible] of the [illegible] the activation energy of processes [illegible] internal [illegible] is associated with [illegible] of [illegible] the minima [illegible] same [illegible] g-atom). In connection with this [illegible] expressed an [illegible] similarity of phenomena [illegible] of [illegible] field of stresses and during resonance [illegible] frequency [illegible] to the significant influence [illegible] of the crystal [illegible] on processes of tempering hardened steel. An increase in the duration of holding during induction heating affects the completion of the process and [illegible] the properties of tempered steel. Bibliography [illegible] references.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

KRISHTAL, M.A.; GORYACHEV, B.A.

Characteristics of changes in the properties of hardened steel during induction heating. Fiz. met. i metalloved. 15 no.6: 819-823 Je '63. (MIRA 16:7)

1. Tul'skiy mekhanicheskiy institut.

(Steel—Testing) (Induction heating)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

L 18606-65 EWT(1)/EWA(h) Peb ASD(a)-5/ESD(c)/ESD(t)
ACCESSION NR: AP4045504 S/0109/64/009/009/1723/1724

AUTHOR: Kaplun, V. A.; Babkin, N. I.; Goryachev, B. G.

TITLE: Shielding properties of shf wire grids

SOURCE: Radiotekhnika i elektronika, v. 9, no. 9, 1964, 1723-1724

TOPIC TAGS: shielding grid, shielding wire grid, shf shielding wire grid, shielding, EM shielding, rf shielding, interference, rf interference, RFI

ABSTRACT: Fig. 1. of the Enclosure contains curves showing the dependence of wave field attenuation on the parameters of screen grids used for rf shielding. The calculations for these curves are based on the assumption of normal incidence of an electromagnetic plane wave on a unidimensional infinite, flat grid made of nonmagnetic wires with circular cross section and infinite conductivity. It was further assumed that the electric vector of the incident wave was parallel to the grid. An analysis of the calculations and of experimental data show that the calculations are valid for attenua-

Card 1/4

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

L 18606-65
ACCESSION NR: AP4045504

tions of up to 70—80 db.

ASSOCIATION: none

SUBMITTED: 01Aug63 ENCL: 02 SUB CODE: EC

NO REF SOV: 001 OTHER: 001

Card 2/4

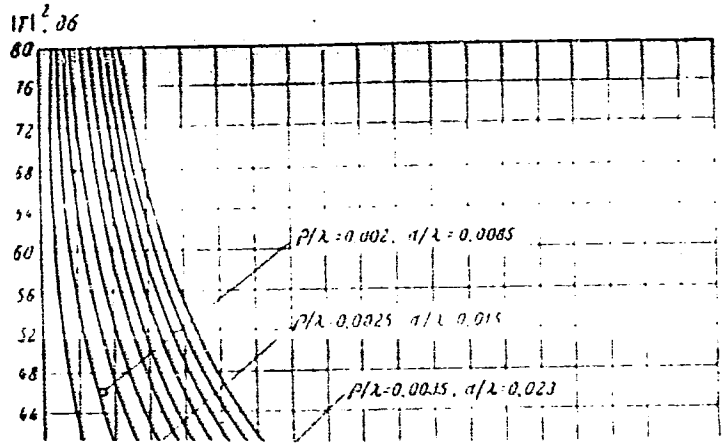
APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

L 18606-65
ACCESSION NR: AP4045504

0

ENCLOSURE: 01



continued to Enclosure 02

Card 3/4

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

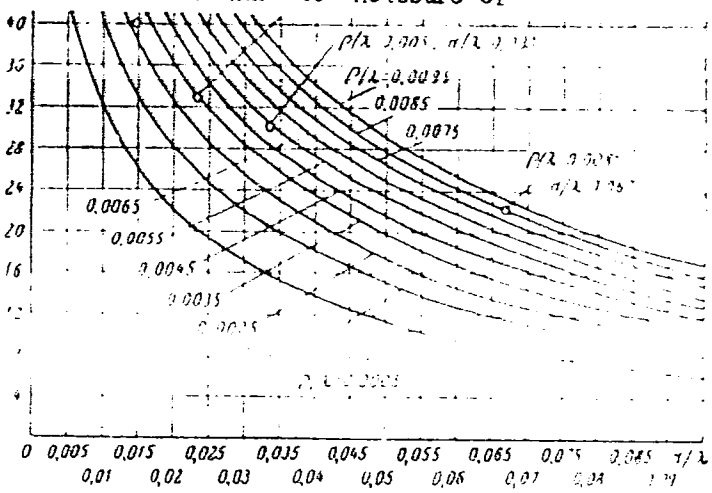
"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

L 18606-65

ACCESSION NR: AP4045504

ENCLOSURE: 02

continued to Enclosure 01



Curves $|r|^2 = f(d/\lambda)$ by $\rho/\lambda = var$ (solid lines - calculations; circles - experimental points)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

S/056/62/042/006/016/047
B104/B102

AUTHORS: Bogdankevich, O. V., Coryachev, B. I., Zapevalov, V. A.

TITLE: The splitting of the giant resonance in medium nuclei

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 42, no. 6, 1962, 1502-1514

TEXT: The yield of photoneutrons from Rh^{103}, Ag^{107}, In^{115}, Tb^{159}, and Ta^{181} in the region of E_{γ}^{max} between the threshold energy of the (γ,p) reaction and 23 Mev was measured with the help of the 30-Mev synchrotron of the FIAN. The method of measurement adopted (Fig. 1) very largely eliminated instrument drift and simplified the experiment. The absorption cross sections of the quanta are computed from the measured yield (Fig. 10). A splitting of the giant resonance of Rh, In, Tb, and Ta nuclei was detected; it is explained as being due to the deviation of the nuclei from spherical symmetry. Indications of a possible nonaxiality of the Tb^{159} nuclei were also found. There are 11 figures and 3 tables.

Card 1/2

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

ASSOCIATION: Fizicheskiy institut im. P. N. Lebedeva Akademii nauk SSSR (Physics Institute imeni P. N. Lebedev of the Academy of Sciences USSR)

SUBMITTED: February 4, 1962

Fig. 1. Experimental arrangement.
Legend: (1) synchrotron, (2) target, (3) paraffin, (4) concrete, (5) monitor, (6) BF_3 counter, (7) sample, and (8) photomultiplier.

Fig. 10. γ-ray absorption cross section of Tb^{159}.
Legend: (1) millibarn.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

33973
S/089/62/012/003/011/013
B102/B108

24.6800

AUTHOR: Goryachev, B. I.

TITLE: Statistical method to separate yields of nuclear reactions of different multiplicity

PERIODICAL: Atomnaya energiya, v. 12, no. 3, 1962, 246 - 248

TEXT: A direct method is proposed to measure yields of multiple reactions of the type $Z(a,\xi b)Y$ if the counting rate is arbitrary. The method is based on the consideration of the statistical behavior of the recorded particles. The method is called "method of fluctuations" and is experimentally based on measurements of the distributions of probability P_n of recording n particles per cycle (bombardment with a pulsed accelerator; $n = 0,1,2,3,\ldots$). If the efficiency ε of recording is known, the reaction yields can be separated through an analysis of these "count distributions". Since the number of reaction events varies from cycle to cycle, the records of the b-particles show the same ξ-fold modulated fluctuation. For $\xi = 1,2$ calculations are carried out

Card 1/4

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

$$P_n=\sum_{k=0}^{\infty}\sum_{i=0}^{\nu}\frac{x_2^i x_1^{n+k-2i}(n+k)!}{i!\,(n+k-2i)!\,k!n!}\times \varepsilon^n(1-\varepsilon)^k\exp\{-x_1-x_2\}; \qquad (1)$$

$$\nu=\begin{cases}(n+k)/2 & \text{for } n+k=2l\\ (n+k-1)/2 & \text{for } n+k=2l+1\end{cases};\quad l=0,1,2,\ldots$$

x_i are the mean numbers of events of the reactions with $\xi = i$. The count distribution (1) can be analized if a_1, the mean number of particles recorded per cycle, and the dispersion μ_2, are known:

$$a_1=\sum_{n=0}^{\infty} nP_n=x_1\varepsilon+2x_2\varepsilon; \qquad (2)$$

$$\mu_2=\sum_{n=0}^{\infty} n^2P_n-a_1^2=x_1\varepsilon+2x_2\varepsilon+2x_2\varepsilon^2. \qquad (3)$$

For these measurements a high ε is necessary. Background events affect only the first component ($\xi=1$). For the second component the statistical error is given by

$$\beta=\frac{1+2a}{\sqrt{N}a\varepsilon}\sqrt{0{,}5+\frac{a}{1+2a}\left(\frac{2+6a}{1+2a}+\frac{1}{a_1}\right)}, \qquad (4)$$

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

if $\varepsilon \approx 1$; $\alpha = x_2/x_1$, N is the number of cycles per experiment. If the relative intensity fluctuations γ of the beam of bombarding particles are taken into account

$$x_2 = \frac{\mu_2 - a_1(1 + a_1\gamma^2)}{2\varepsilon^2}; \quad (5)$$

$$x_1 = \frac{a_1(\varepsilon + 1 + a_1\gamma^2) - \mu_2}{\varepsilon^2}, \quad (6)$$

Another way of calculation is also described which is used when $\sum^{n} P_n$ and $\sum^{n} nP_n$ are known. If $\xi = 1,2,3,\ldots m$, the function

$$F(t) = \sum_{n=0}^{\infty} P_n e^{nt} =$$

$$= \exp\left(\sum_{i=1}^{m} x_i\left(\left(1 - \varepsilon(1 - e^t)\right)^i - 1\right)\right). \quad (11)$$

is used for analysis. There are 2 references: 1 Soviet and 1 non-Soviet. The reference to the English-language publication reads as follows: V. Ashby et al. Phys. Rev., 111, 616 (1958).

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

33973

Statistical method to separate...

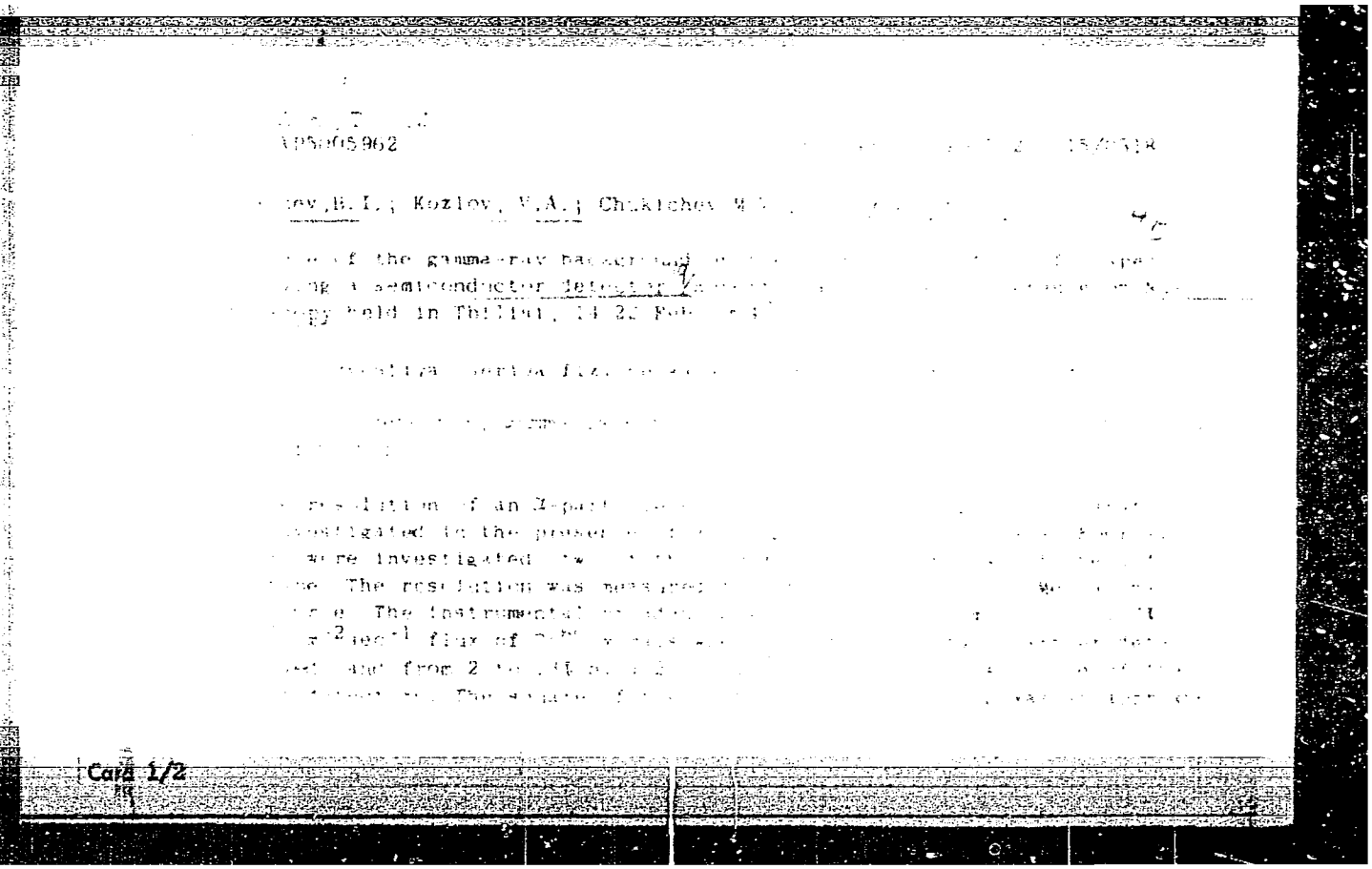
S/089/62/012/003/011/013
B102/B108

SUBMITTED: August 17, 1961

Card 4/4

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6



Card 1/2

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

[illegible] 3962

[illegible] function of the x-ray flux and [illegible] on the [illegible] of the detector. The equation [illegible] broadening [illegible] Here [illegible] is the x-ray flux, b is the absorption [illegible] is the sensitive volume [illegible] time [illegible] amplifier and E^2 is the mean square [illegible] used in the detector material. The value [illegible] was [illegible] the aid of specific assumptions [illegible] of this equation were in agreement [illegible] and can be employed to estimate the [illegible] on the [illegible] semiconductor spectrometer [illegible] figures and 1 table. [illegible]

[illegible] none

ENCL [illegible] DE: NP

[illegible] OTHER: 001 [illegible] 3199

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

AUTHOR: Balamatov, N.N.; Goryachev, B.I.

TITLE: Automatic betatron gamma-ray beam intensity optimization

design

Card 1/3

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

ACCESSION NR: AP5015634

[illegible] the error [illegible]. The design was complicated by the [illegible] gamma ray intensity [illegible]

[illegible] control the injection phase. In the experiments [illegible] water [illegible] that the [illegible]

Card 2/3

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

L 58757-65

ACCESSION NR: AP5015634

ASSOCIATION: none

SUBMITTED: 06Jul64 ENCL: 00 SUB CODE: NP,IE

NR REF SOV:005 OTHER: 000

Card 3/3

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

GORYACHEV, B.I.; ISHKHANOV, B.S.; KAPITONOV, I.M.; SHEVCHENKO, V.G.; YUR'YEV, B.A.

Energy distribution of photoprotons from Si^{28}. IAd. fiz. 1 no.6: 1005-1008 Je '65. (MIRA 18:6)

1. Institut yadernoy fiziki Moskovskogo gosudarstvennogo universiteta.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

GORYACHEV, D. N.

Goryachev, D. N. - "On the problem of streamlining a sphere in a liquid", Nauch. trudy (Rost. n/D inzh.-stroit. in-t), Collection 1, 1948, p. 61-66.

SO: U-3042, 11 March 53, (Letopis 'Zhurnal ' nykh Statey, No. 8, 1949).

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

GORYACHEV, G.

With the warmth of your heat toward fellow man. Sov. profsoiuzy 19 no.19:34-35 O '63. (MIRA 16:11)

1. Predsedatel' komiteta professional'nogo soyuza Mineral'novodskogo proizvodstvennogo kolkhozno-sovkhoznogo upravleniya, Stavropol'skiy kray.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

GORYACHEV, G.N.

Rare case of perforation of the stomach by a trichobezoar. Khirurgiia 40 no.9:134-135 S '64 (MIRA 18:2)

1. Gospital'naya khirurgicheskaya klinika (zav. - prof. V.S. Mayat) II Moskovskogo gosudarstvennogo meditsinskogo instituta imeni Pirogova i khirurgicheskoye otdeleniye Gorodskoy klinicheskoy bol'nitsy No.5 (glavnyy vrach L.I. Erman), Moskva.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

GORYACHEV, I. A., POPOV, V. A, and APANASENKO, V. G.

"The Rendering of Emergency Surgical Aid in Remote Places of the Arctic."

Voyenna-Meditsinskiy Zhurnal, No. 7, December 1961, pp 62-73

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

ACC NR: AT6036655 SOURCE CODE: UR/0000/66/000/000/0282/0283

AUTHOR: Mozzhukhin, A. S.; Kuznetsov, V. I.; Kushakovskaya, M. S.; Makhalova, O.K; Gotyachev, I. A.; Solntsev, S. A.; Shostak, V. I.; Kudrin, I. D.

ORG: none

TITLE: Effect of radioprotective drugs on the functional condition of the human organism [Paper presented at the Conference on Problems of Space Medicine held in Moscow from 24-27 May 1966]

SOURCE: Konferentsiya po problemam kosmicheskoy meditsiny, 1966. Problemy kosmicheskoy meditsiny. (Problems of space medicine); materialy konferentsii, Moscow, 1966, 282-283

TOPIC TAGS: radiation protection, space pharmacology, cosmic radiation biologic effect, human physiology, space medicine, motion sickness

ABSTRACT:

The effect of cystamine on the functional condition of the human organism was studied (on the the basis of the hypothesis of A. V. Lebedinskiy). Five hundred heathy volunteers were used. The maximum permissible dose of cystamine was established as a dose of 1.2 [units not given] per single application, or 0.8 units every 6 hr for 24 hr, or 0.6—0.8 units once a day for a month. Administration of cystamine in the doses indicated did not cause any significant changes in work capacity, hematopoiesis, or in cardiovascu-

Card 1/2

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

ACC NR: AT6036655

lar, respiratory, digestive, excretory, or nervous system function. However, administration of cystamine did lead to complaints of lethargy and brief unpleasant sensations in the epigastrium in 10% of the cases. After administration of the drug some increase in sensitivity to motion sickness and to the effect of high temperatures was noted among subjects.

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

SUB CODE: 06 / SUBM DATE: 00May66

Card 2/2

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

POPOV, V.A.; APANASENKO, B.G.; GORYACHEV, I.A.

Providing emergency surgical care in remote areas of the Arctic. Voen-med. zhur. no.7:84 Jl '61. (MIRA 15:1)
(ARCTIC REGIONS--SURGERY)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

S/128/60/000/006/002/007
A104/A133

AUTHORS: Rodin, N. F., and Goryachev, I. G.

TITLE: Deoxidation and alloying of steel in the ladle

PERIODICAL: Liteynoye proizvodstvo, no. 6, 1960, 48

TEXT: In order to reduce the cost of steel and increase the production in the ЦЗЛ (Central Foundry) the method of complete deoxidation and alloying of carbon and low-alloyed steel in ladle [Ref. 1: "Liteynoye proizvodstvo", no. 12, 1958; Voprosy proizvodstva stali, (Problems of steel production), no. 4, Publ. House AS UkrSSR, 1956] was tested. Tests were carried out in standard open-hearth furnaces with a molten charge of 10 and 15 tons. Deoxidation was carried out as follows: upon obtaining the necessary quantity of oxygen and appropriate temperature, the molten charge was poured into the ladle. When the ladle was filled to at least one third alloying and reducing agents were added: ferrosilid, ferromanganese, ferrochromium, ferrovanadium, ferrotitanium and aluminum. The latter was added cold, in pieces of 50 mm diameter. Soaking time for carbon steel was 5 - 10 minutes, for low-alloyed steel 8 - 15 minutes. After the casting of carbon steel the

Card 1/2

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

Deoxidation and alloying of steel in the ladle

S/128/60/000/006/002/007
A104/A133

ladle appeared clean; low-alloy steel sometimes left a gridshaped residue which was probably due to the addition of 2 - 2.9% ferroalloys instead of 1 - 1.5%.as in the case of carbon melts. Since the release of the molten charge from the furnace takes only 3 - 4 minutes, the manual addition of ferroalloys should take place sooner in the case of low-alloy steel, i. e. before the formation of furnace slag. A mechanized addition of ferroalloys could eliminate these shortcomings. Ferroalloys dissolve completely and are evenly distributed in the metal. The mechanical properties were inspected on a longitudinal ingot templet of 2.5 kg. The transfer of the deoxidation process to the ladle increased the productivity of the furnace to 3% with carbon steel and 8% with low-alloyed steel. At the same time there was less waste of ferroalloys. Although ferrotungsten was added to the non-reduced boiling charge its waste was negligible. The method described is recommended as economical and fully expedient for all types of foundries. There is 1 table and 1 Soviet reference.

Card 2/2

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

RODIN, N.F., inzh.; GORYACHEV, I.G.

Heating ingot risers with exothermal pads. Stal' 21 no.8: 698-699 Ag '61. (MIRA 14:9)

(Steel ingots)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

GORYACHEV, I. M.

TECHNICAL PROCESS FOR THE PREPARATION OF COPPER-CHROMIUM ALLOY FOR THE ELECTRODES OF SPOT-WELDING MACHINES. A. I. M. Goryachev and E. A. Smirnova. (Avtogennoe Delo, 1948, No. 11, pp. 20-21). (In Russian). The alloying of 0.5% of chromium with copper was found to triple the durability of spot-welding electrodes whilst decreasing the electrical conductivity by only 10%. The production of such alloyed electrodes by simple methods is described, and some of the properties are tabulated.

Immediate source clipping

X

ACC NR. EWT(m)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

AUTHOR: Goryachev, I. V.

SOURCE CODE: UR/0089/65/019/004/0396/0397

ORG: none

TITLE: Angular distribution of neutron doses near the ground-air interface

19

36

B

SOURCE: Atomnaya energiya, v. 19, no. 4, 1965, 396-397

TOPIC TAGS: neutron distribution, dosimetry, nuclear debris, soil

ABSTRACT: It is shown that the formula derived by R. French (Health Phys. v. 8, 299, 1962) for the angular distribution of the neutron dose from a point fission source in an infinite air mass $F(\Omega, \theta) = 0.033 + 0.4045 \exp(-0.03345\ \theta)$, where $F(\Omega, \theta)$ is the fraction of the total neutron dose at a given point of space, arriving in a unit solid angle from a direction characterized by a scattering angle θ measured from the line joining the source and the detector, must be modified when the source is located near the earth. This modification can be taken into account by multiplying the distribution in (1) by a factor K_α, where α is the angle of inclination of the source-detector line to the ground. The values of K_α were determined for grounds of different composition and their plots for absolute black-body ground are shown in Fig. 1.

Card 1/3

UDC: 539.125.52

0901/1201

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

Fig. 1. Dependence of the on the angle α for surface varying compositions.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

L 5262-66

ACC NR: AP5026453

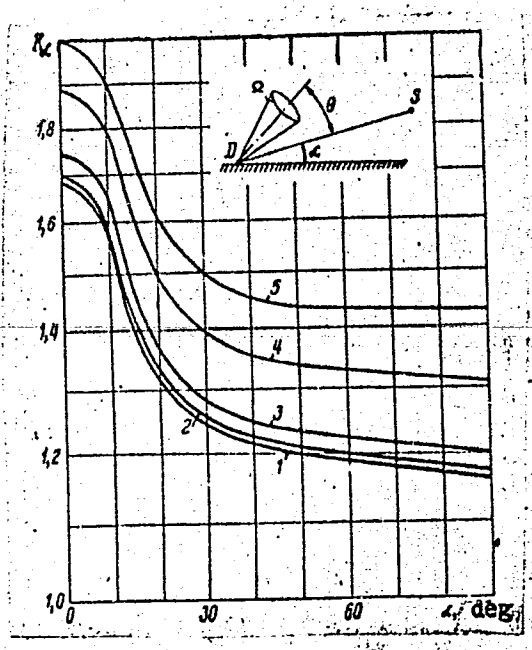


Fig. 1. Dependence of the coefficient K_α on the angle α for surfaces of grounds of varying compositions.

Card 2/3

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

L 5262-66

ACC NR: AP5025453

A correction to the results, to account for the influence of the albedo of neutrons from the earth's surface, is also calculated. Orig. art. has: 1 figure and 6 formulas.

[02]

SUB CODE: NP, CB/ SUBM DATE: 15Jan65/ OTH REF: 004/ ATD PRESS: 4138

Card 3/3

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

BAYTIN, Ayzik Abramovich, dots.; MOTOVILOV, German Petrovich; GEHNITS, Osval'd Ottovich, dots.; BARANOV, Nikolay Ivanovich, dots., [deceased]; KRESLIN, Ernst Petrovich, dots.[deceased]. Prinimal uchastiye MOTOVILOV, M.P., prof.; ZAKHAROV, V.K., prof., retsenzent; GORYACHEV, I.V., red.; FUKS, Ye.A., red. izd-va; LOBANKOVA, R.Ye., tekhn. red.

[Forest management] Lesoustroistvo. [By] A.A.Baitin i dr. Izd.2., perer. i dop. Moskva, Goslesbumizdat, 1961. 283 p. (MIRA 15:3)

1. Belorusskiy lesotekhnicheskiy institut (for Zakharov).
(Forest management)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

SOKOLOV, Tikhon Davydovich; GORYACHEV, I.V., red.; SVETLAYEVA, A.S., red. izd-va; LOBANKOVA, R.Ye., tekhn. red.

[Processing wood at forest producing shops] Pererabotka drevesiny v tsekhakh shirpotreba leskhozov. Moskva, Goslesbumizdat, 1961. 75 p. (MIRA 15:6)

(Lumbering)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

ANTSYSHKIN, S.P.; BOBYLEV, G.V.; GORYACHEV, I.V.; ISACHENKO, Kh.M.; KOVALIN, D.T.; LAVRENT'YEV, V.A.; LITVINOV, I.V.; MUKIN, A.F.; PEREPECHIN, B.M.; PIS'MENNYY, N.R.; REBROVA, G.I.; SERGEYEV, P.A.; SOBINOV, A.M.; FEDOROV, P.F.; FILINOV, N.P.; KHRAMTSOV, N.N.; KAZAKOVA, Ye.D., red.; BALLOD, A.I., tekhn. red.

[Reference book for foresters] Spravochnik lesnichego. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1961. 894 p. (MIRA 14:7)
(Forests and forestry)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

GORYACHEV, I. V.

Forest Management

Improve the planning of forestry procedures, Les. khoz. 6, No. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, May 1953. Unclassified.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

GORYACHEV, I.V.

Angular distribution of neutron doses in the air near the ground. Atom. energ. 19 no.4:396-397 O '65. (MIRA 18:11)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

L 06993-67 EWT(m)/EWP(t)/ETI IJP(c) JD/WW/JG/JR
ACC NR: AP6021522 SOURCE CODE: UR/0089/66/020/006/0469/0473

AUTHOR: Goryachev, I. V.; Dulin, V. A.; Yermakov, S. M.; Kolyshenkova, V. V.; Suvorov, A. P.; Trykov, L. A.

ORG: none

TITLE: Angular distribution of fast neutrons behind iron shields

SOURCE: Atomnaya energiya, v. 20, no. 6, 1966, 469-473

TOPIC TAGS: neutron distribution, fast neutron, angular distribution, reactor shielding, iron

ABSTRACT: The authors have measured the angular and energy distributions of fast neutrons behind iron shields of 10 and 15 cm thickness. The results of the experiment are compared with calculations by the Monte Carlo method and with many-group calculations by the "transmission" matrix method in the $2P_7$ approximation. The results of the calculations show that the transmission of the shield depends strongly on the angular distribution of the incident radiation. The transmission measurements were made using an RIZ uranium-water reactor with a stainless steel reflector. The agreement of the experimental and the calculated data are found to

Card 1/2 UDC: 539.125.52

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

L 06993-67
ACC NR: AP6021522

be satisfactory both in absolute magnitude and in the form of the angular distributions. A study was also made of the difference in character of the spatial and angular distributions of fast neutrons from a point source in an infinite homogeneous medium and from a point source located at a plane barrier. The results show that the allowance for the thickness of the shield leads to a steeper fall off in the neutron flux than in the case of an infinite medium. Other differences between infinite and finite shields are also pointed out. The authors thank Yu. A. Kazanskiy for valuable advice and discussions. Orig. art. has: 5 figures and 1 formula.

SUB CODE: 18 SUBM DATE: 04Sep65/ ORIG REF: 013/ OTH REF: 004

Card 2/2 LC

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

ACC NR: AP6034091 (N) SOURCE CODE: UR/0089/66/021/004/0246/0254

AUTHOR: Trykov, L. A.; Goryachev, I. V.; Kukhtevich, V. I.

ORG: none

TITLE: Measurement of the dose albedo of fast neutrons when different shields are used

SOURCE: Atomnaya energiya, v. 21, no. 4, 1966, 246-254

TOPIC TAGS: neutron albedo, fast neutron, neutron shielding, neutron energy distribution, neutron spectrum, radiation dosimetry

ABSTRACT: The authors investigated the energy distribution of fast neutrons reflected from iron, ground, water, and polyethylene under normal and oblique incidence of a broad unidirectional beam of neutrons on the surface of the reflector. They also investigated the dependence of the albedo of the neutrons on the thickness of a flat reflector layer made of iron. The measurements were made with an isotropic detector placed on the surface of the shield. The neutrons were obtained from a zero-power research reactor. The detector was a single-crystal scintillation neutron spectrometer similar to that described by Yu. A. Kazanskiy et al. (Atomnaya energiya v. 20, 143, 1966). The mean square measurement error was not larger than 50% for water and polyethylene and 10% for iron and ground. Two methods were used to measure the albedo, one by recording the number of reflected neutrons against the background of the direct radiation (difference method), and by suppressing the unscattered neutrons with a

UDC: 621.039.58: 539.125.52

Card 1/2

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

ACC NR: AP6034091

shielding cone. The methods yielded results that agreed within 10%. Plots of the reflected-neutron spectra are presented and empirical formulas for them are given. The results show that the dose albedo of the neutrons depends on the thickness of the iron layer employed. The angular dependence of the dose albedo of neutrons reflected from iron and from ground show a similar behavior, decreasing with increasing angle of incidence. In the case of water, however, the dose albedo shows a slight increase with angle (up to 70°). This is attributed to the predominant forward scattering of neutrons by hydrogen atoms. The results are found to agree with those obtained by others. Orig. art. has: 7 figures and 2 formulas.

SUB CODE: 18, 20/ SUBM DATE: 05Apr66/ ORIG REF: 003/ OTH REF: 004

Card 2/2

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

PA 4T7

GORYACHEV, K. A.

Jan 1947

USSR/Petroleum - Well drilling

"Drill Operations in the Oil Industry of the USSR over the Last 7 Years," K.A. Goryachev, 4 pp

"Neftyanoye Khozyaystvo" Vol XXV, No 1

Statistical account with tables of operating data

4T7

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

GORYACHEV, K.A.; BASKAKOV, G.D.

Automatic temperature regulator for electric dryers and thermostat controlled areas. Torf.prom.32 no.4:18-19 '55. (MLRA 8:10)

1. Yaroslavskaya oblastnaya inspektsiya Giktorfa.
(Automatic control) (Drying apparatus)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

YENYUKOV,A.V.; GAVRILENKO,A.I.; GORYACHEV, L.K.

Land organization on specialized state farms of Moscow Province. Zemledelie 23 no. 2:64-70 F '61. (MIRA 14:2)

1. Moskovskiy institut inzhenerov zemleustroystva (for Yenyukov, Gavrilenko). 2. Nachal'nik zemleustroitelnoy partii Moskovskogo oblastnogo upravleniya sel'skogo khozyaystva (for Goryachev).
(Moscow Province--State farms)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

SOV/120-58-4-12/30

AUTHORS: Bartenev, L. S., Glebovich, G. V., Goryachev, L. V., Sharov, Yu. A.

TITLE: A High-Speed Pulse Oscillograph (Impul'snyy skorostnoy ostsillograf)

PERIODICAL: Pribory i tekhnika eksperimenta, 1958, Nr 4, pp 63-65 (USSR)

ABSTRACT: An oscillograph with deflection plates of transmission line type is described; two time-base systems are fitted, the faster of which gives one complete sweep in about 4×10^{-9} sec. There are two oscillators, a 200 Mc/s and a 500 Mc/s oscillator. Thyratrons are used to develop the sweep voltages, and advantage is taken of their ionization characteristics to get really fast response. Post-deflection acceleration (3 kV) is used; the vertical deflection system has a pass-band extending up to 1000 Mc/s. The deflection sensitivity is 9 V/mm. Examples of oscillograms taken are

Card 1/2

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

SOV/120-58-4-12/30

A High-Speed Pulse Oscillograph

presented. The paper contains 4 figures and 2 references, of which 1 is Soviet and 1 English.

ASSOCIATION: Nauchno-issledovatel'skiy radiofizicheskiy institut (Radiophysics Scientific-Research Institute)

SUBMITTED: October 24, 1957.

Card 2/2

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

80504

SOV/58-59-12-27911

9.4340

Translation from: Referativnyy zhurnal, Fizika, 1959, Nr 12, pp 203 - 204 (USSR)

AUTHOR: Goryachev, L.V.

TITLE: On the Application of Germanium Diodes in the Limiting Circuit of Nano-second Pulses

PERIODICAL: Tr. Gor'kovsk. politekhn. in-ta, 1958, Vol 14, Nr 5, pp 21-24

ABSTRACT: The functioning principle and diagram of the apparatus are described for the generation of square-topped pulses, with a 30 ÷ 50 nanosec duration and a front of 5 ÷ 10 nanosec, from the pulses of larger amplitude having non-uniform tops with fluctuations of a few scores of percent. The experimental limiters were assembled on junction-type semi-conductor diodes, DGTs-23, DGTs-24, DGTs-26 (with a setting up time of the cutoff resistance of about 10^{-9} sec). A current of several milliamperes is passed through the diode in a forward direction; the pulse being formed is fed in the cutoff direction. The limiting of the amplitude starts from the moment when the pulse voltage (from

Card 1/2

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

SOV/58-59-12-27911

On the Application of Germanium Diodes in the Limiting Circuit of Nano-second Pulses

the limiting entrance side) cuts off the diode. It is necessary that the time constant, determined by the output capacitance, multiplied by the diode resistance in the forward direction, be considerably less than the pulse front duration. Diagrams and an approximate calculation of the apparatus are submitted.

I.Ya. Breydo

Card 2/2

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

L 1832-66 EWT(1)/EWA(h)

ACCESSION NR: AR5008940 UR/0274/65/000/002/A079/A079

621.373.43:621.385.337.8

SOURCE: Ref. zh. Radiotekhnika i elektrosvyaz'. Svodnyy tom, Abs. 2A427

AUTHOR: Goryachev, L. V.

TITLE: Some problems of shaping nanosecond pulses in thyratron circuits

CITED SOURCE: Tr. po radiotekhn., elektrotekhn. i energ. Gor'kovsk. politekhn. in-t, v. 20, no. 2, 1964, 48-54

TOPIC TAGS: nanosecond pulse, pulse shaper

TRANSLATION: The effect of spurious circuit parameters and thyratrons upon the shape of a nanosecond pulse produced by discharging the shaping line into a matched load was investigated. Pulsed generators with TGI1-3/1, TGI1-35/3, and TGI1-130/10 thyratrons were studied. The measurements have shown that the effect of the lead-in inductance in a bantam thyratron can be neglected. In high-voltage thyratrons, the lead-in inductance causes an increase in the ionization time because, with a rapid current rise in the lead-in wire, the voltage

Card 1/2

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

L 1832-66
ACCESSION NR: AR5008940

drop across the wire increases, thus reducing the voltage available to the thyratron. However, experiments have shown that the pulse rise time mainly depends on the integrating action of the inductance. In the first approximation, the pulse rise time which allows for the lead-in inductance and ionization time is given by: $t_{\phi} = \sqrt{t_{\phi_0}^2 + (2.2L/2\rho)^2}$, where t_{ϕ_0} is the pulse rise time determined by the ionization time and where ρ is the characteristic impedance of the anode line. The anode-ground capacitance can be used for correcting the pulse top, its efficiency increasing with lower anode voltages. However, this correction results in a longer pulse fall time. A correction based on the anode-cathode capacitance is free from the above shortcoming. Various linear RC-circuits, such as the circuit suggested by K. N. Ptitsyn and M. I. Gryaznov (Tr. GPI im. Zhdanov, 1957, 13, no. 1) can be used for correcting the pulse fall time. Such a correction also improves the pulse rise time by making the pulse steeper at the top. Bibl. 2.

SUB CODE: EC ENCL: 00

Card 2/2

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

RUBINOV, Emmanuil Rabedzhanovich, doktor tekhn. nauk; OSIPOVA, Lyudmila Khaimovna, NIKITIN, Ivan Vasil'yevich; GORYACHEV, M.I., retsenzent; SOKOLOVA, V.Ye., red.

[Automatic cocoon reeling] Avtomaticheskoe kokonomotanie. Moskva, Legkaia industriia, 1964. 194 p.
(MIRA 18:3)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

KRASNOSEL'SKIY, Mark Aleksandrovich; PEROV, Anatoliy Ivanovich; POVOLOTSKIY, Abram Isaakovich; ZABREYKO, Petr Petrovich; GORYACHEV, M.M., red.; AKSEL'ROD, I.Sh., tekhn. red.

[Vector fields on a plane] Vektornye polia na ploskosti. Moskva, Fizmatgiz, 1963. 245 p. (MIRA 16:11)
(Vector analysis)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

PHASE I BOOK EXPLOITATION SOV/4207

Penoplastmassy; sbornik statey (Foam Plastics; Collection of Articles) Moscow, Oborongiz, 1960. 182 p. Errata slip inserted. 3,050 copies printed.

Ed.: A.A. Moiseyev, Candidate of Technical Sciences, V.V. Pavlov, and M.Ya. Borodin; Managing Ed.: A.S. Zaymovskaya, Engineer; Ed. of Publishing House: I.A. Suvorova; Tech. Ed.: V.I. Oreshkina.

PURPOSE: This book is intended for engineers and technicians planning and manufacturing products and structures using lightweight fillers, and for workers of the foam plastic industry.

COVERAGE: The volume contains 13 studies on foam plastics and foaming agents. Some of the studies provide data on the technology of producing foam plastics from polystyrene and polyvinyl chloride, and data on thermosetting polymers (phenol rubber compositions, polyurethane foam, polyepoxy foam, and foam plastic sheets based on organic silicon resins). Other studies contain data on the composition of foam plastics, the effect of technological factors and volumetric weight on the physical, mechanical, and dielectric properties of foam plastics, and on the fields of application of foam plastics. Several studies deal with the production technology of radomes and reflectors for antenna installations in aircraft units. It is stated in the foreword that the Soviet Union produces and uses foam plastic sheets based on thermoplastic and thermosetting polymers of rigid, elastic, foamy, and porous structure. Fifteen such plastics including some of their specifications and applications are listed. There are no bibliographies but the authors cite Soviet and other authorities including A.A. Berlin, the author of Osnovy proizvodstva gazonapolnennykh plastmass i elastomerov (Principles of Production of Gas Filled Plastics and Elastomers) published by Gomkhimizdat in 1954.

Khimenko, G.S., V.A. Popov, S.L. Fleyshman, K.P. Gorskiy, and G.M. Smolentsev. Application of Foam Material FK-20-ST in the Manufacture of Antenna Reflectors of Aircraft Radio Electronic Equipment 109

This study data on the physical, mechanical, and dielectric properties of foam material FK-20-ST. It also includes data on the design of antenna reflectors, the molds for reproducing such reflectors, and their fields of application. It is concluded that antenna reflectors made from foam material can be produced at a lower cost than from metal.

Kafengaut, A.P. and Ye. I. Yudicheva. Production of Gas Filled Polyurethanes 117

This study [illegible] the technology of producing gas filled polyurethanes, the properties of polyurethanes, and fields of application. It also includes data on the polyesters, diisocyanates, catalysts, and emulsifying agents used in [illegible] production of gas filled polyurethanes.

Moiseyev, A.A., and T.F. Durasova. Foam Plastic Sheets Based on Polystyrene and Polyvinyl Chloride 19

Production of foam plastic sheets by the press and autoclave methods are described along with production from individual granules, as well as by mixing the composition on rollers. The technological process for the production of polystyrene and polyvinyl chloride foams is described giving the physical and mechanical properties of the foams. Soviet foam products are compared with those of Britain, the United States, East Germany and West Germany.

Pavlov, V.V., M.S. Goryachev, and T.F. Durasova. Using Polyurethane Foam Sheets in Aircraft Structures 131

This study contains data on the technology of producing radomes and dielectric grating reflectors for antenna installations. It also includes data on various ways of filling the structures with foam material

Borodin, M.Ya., and Z.I. Kazakova. Foam Plastic Sheets From Organic Silicon 157

This study contains data on the production technology and properties of foam plastic sheet K-40 made from organic silicon. High thermal stability and good dielectric and heatproof properties make this foam plastic suitable for applications in the field of radio engineering and heat insulation at temperatures of 200-250° up to 500 hours and at temperatures of 300-350° up to 50 hours.

Losev, I.P., D.A. Kuznetsov, and V.D. Valgin. Foam Plastic Sheets Based on Polyepoxy Resins With Aromatic Diamines 167

This study contains experimental data on the production technology and properties of foam plastic sheets made from polyepoxy resins with aromatic diamines. It also includes data on the interaction of such resins with metaphenylenediamine and on the optimum foaming conditions for the compositions, and on the effect of the surface active compounds on foaming conditions. This type of foam plastic sheet can be used as structural and electric insulation material at operating temperatures up to 110° in the field of aviation and electrical engineering.

AVAILABLE: Library of Congress

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

15 8370

31570
S/081/61/000/022/068/076
B144/B138

AUTHORS: Pavlov, V. V., Goryachev, M. S., Durasova, I. F.

TITLE: Utilization of polyurethane foam plastics in aircraft construction

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 22, 1961, 452, abstract 22P75 (Sb. "Penoplastmassy". M., Oborongiz, 1960, 131-156)

TEXT: General information on the following subjects is given: production technology for foam polyurethanes (FP), main physical and mechanical properties of ПУ-101 (PU-101) and ПУ-101А (PU-101A) type FP's, and the production technology for radomes, grating reflectors, products with closed reinforcing tramework, with simultaneous bonding of the reinforcing tramework, pannels and heat-insulating blocks, and to radiotransparent inserts. The paper also describes the use of FP as a light potting compound, the moulding of complex small parts 30-50 cm^3 volume with varying wall thicknesses, the filling of product by means of an insert, and investigations made to determine the resistance of radomes to deformation under the effect of high temperatures. [Abstracter's note: Complete translation.]

Card 1/1

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

GORYACHEV, N.(g. Noginsk Moskovskoy oblasti)

Economic work is the concern of the entire collective. Fin.SSSR 22 no.5:54-60 My '61. (MIRA 14:5)
(Noginsk—Textile industry—Finance)
(Socialist competition)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

GORYACHEV, N.

When initiative is absent in the control and auditing work. Fin. SSSR 22 no.8:59-64 Ag '61. (MIRA 14:8)
(Vladimir Province—Auditing)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

GORYACHEV, N.

A man of generous disposition. Fin. SSSR 23 no.8:69-71 Ag '62. (MIRA 15:8)

(Volzhskiy (Volgograd Province)--Grinding and polishing)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

GANSBURG, B.M.; KRAYNES, L.Ya.; LOPUKHA, V.K.; GORYACHEV, N.I., inzh., nauchn. red.

[Assembling steel structures] Montazh stal'nykh konstruktsii. Leningrad, Gosstroiizdat, 1963. 311 p. (MIRA 17:4)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

"Losses of Power in Peat Pumps Due to Friction of the Rotor Against the Hydromixture." Thesis for degree of Cand. Technical Sci. Sub 14 Nov 49, Moscow Peat Inst.

Summary 82, 18 Dec 52, Dissertations Presented for Degrees in Science and Engineering in Moscow in 1949. From Vechernyaya Moskva, Jan-Dec 1949.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

GORYACHEV, N. P.

Goryachev, N. P. "Experience in autumn plowing", Sbornik nauch. rabot (Rost. gos. selekts. stantsiya), Issue 1, 1948, p. 115-21.

SO: U-2888, 12 Feb. 53, (Letopis' Zhurnal 'nykh Statey, NO. 2, 1949).

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

USSR/Cultivated Plants - Grains.

M

Abs Jour : Ref Zhur Biol., No 18, 1958, 82272

Author : Goryachev, N.P.

Inst : Zernogradsk State Selection Station

Title : Sowing Periods and Planting Norms for Winter Wheat

Orig Pub : Sb. nauchn. rabot. Zernogradsk. gos. selekts. st., 1957, vyp. 2, 121-126

Abstract : No abstract.

Card 1/1

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

KALINENKO, I.G., kand.biologicheskikh nauk; CHORBA, L.N.; GORYACHEV, N.P.

Strong winter wheats in Rostov Province. Zemledelie 24 no.8:38-41 Ag '62. (MIRA 15:9)

1. Zernogradskaya gosudarstvennaya selektsionnaya stantsiya Donskogo nauchno-issledovatel'skogo instituta sel'skogo khozyaystva.
(Rostov Province—Wheat—Varieties)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

GORYACHEV, N.S., inzh.

Using ultrasonic techniques in machining die parts. [Trudy] MVTU no.85:92-111 '59. (MIRA 12:6)
(Ultrasonic waves--Industrial applications)
(Dies (Metalworking))

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

PHASE I BOOK EXPLOITATION SOV/3901

Novoye v elektricheskoy i ul'trazvukovoy obrabotke materialov (New Developments in Electrical and Ultrasonic Machining of Materials) [Leningrad], Lenizdat, 1959. 281 p. 5,000 copies printed.

Ed. (title page): L.Ya. Popilov; Ed. (inside book): S.I. Borshchevskaya; Tech. Ed.: P.S. Smirnov.

PURPOSE: This book is intended for technical personnel and production workers.

COVERAGE: This is a collection of 20 articles presented at the Third All-Union Conference of the Scientific and Technical Society of the Machine Industry on Electrical and Ultrasonic Machining of Metals, held in Leningrad. The articles deal with the latest achievements in the field of electrical and ultrasonic machining of metals. New methods of machining presently being developed are described. References follow several of the articles.

Livshits, A.L., S.S. Podlarov, A.M. Kravets, and A.I. Aronov. Some Problems in the Technology and Design of Machines for Electroerosion Machining of Metals 67

Rogachev, I.S. Electric-Pulse Generators of Unipolar Pulses for Electroerosion Machining of Metals 109

Machikhin, L.Ya. Electrical-Pulse Machining of Forging-Die Grooves 115

Ryabinok, A.G. Intensity of Metal Removal and Surface Quality in Electrolytic Machining of Carbides 134

Dikushin, G.A. Selection of Process Regimes in Electrolytic Contour Machining 145

Gutkin, B.G. Electric-Resistance Machining of Metals 151

Yasnogorodskiy, I.Z. New Uses of Heating in Electrolytes 167

Mikhaylov, V.A. Cleaning and Degreasing of Parts and Intensification of Electroplating With the Aid of Ultrasonics 174

Goryachev, N.S. Technique of Ultrasonic Machining of Carbide Dies 183

Ustinov, V.V. Production of Magnetostrictive Transducers for Ultrasonic Machines for Machining Carbides 195

Mezhuyev, B.N. Ultrasonic Machining of Parts Made of Ceramic Materials 203

Mondrus, D.B. Ultrasonic Units Developed by OKB ETO 211

Krumbol'dt, M.M. Spot Welding With the Use of Ultrasonics 235

Babikov, O.I., and B.Ye. Mikhalev. Methods of Ultrasonic Analysis and Inspection 244

AVAILABLE: Library of Congress (TJ 1191 .P 63)

Card 4/4

VK/pw/jb
8-12-60

(14)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

GORYACHEVA, N.S.; SOLOV'YEVA, Z.I.

Quantitative determination of cutisone in preparation and in tablets. Med.prom. 16 no.4:33-36 Ap '62. (MIRA 15:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut imeni S.Ordzhonikidze.
(BENZALDEHYDE)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

RABKIN, L.I.; GORYACHEV, N.P.

Pulse testing of ferromagnetic materials. Trudy inst. Kom.stand.mer i izm.prib no.64:228-232 '62. (MIRA 16:5)
(Ferromagnetism—Testing) (Cathode ray oscillograph)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

GORYACHEV, P.; MYSHKIN, G.

Improvement in Kaluga's municipal economy. Zhil.-kom. khoz. 8 no.11:6-8 '58. (MIRA 11:12)

1.Zaveduyushchiy Kaluzhskim gorkomkhozom (for Goryachev). 2.Glavnyy inzhener kaluzhskogo gorkomkhoza (for Myshkin).
(Kaluga--Municipal services)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

GORYACHEV, P. A.

Bee Culture - Equipment and Supplies

Good honey combs for the apiaries. Pchelovodstvo 29 no.3:23-25 Mr '52.

9. Monthly List of Russian Accessions, Library of Congress, July 1952, Uncl.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

GORYACHEV, P. I.

"Variability in the Eggs of Opisthorchis Felineus", Med. Paraz. i Paraz. Bolez., Vol. 17, No. 3, pp 268, 1948.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

GORYACHEV, P. P.

CA

11D

Influence of composition of the nutrient medium on Pediastrum boryanum. P. P. Goryachev (M. I. Kalinin Med. Inst., Omsk). *Mikrobiologiya* 16, 75-83(1947).—Among the green algae, *Pediastrum boryanum* (I) rates high in resistance to high concn. of salts and to Fe_2O_3 (which kills I at concns. above 31 mg./l.). Either excess or deficit of KNO_3 is harmful; so is deficit or absence of $CaCl_2$. High osmotic pressure is another adverse factor; tests in which osmotic pressure was raised by adding more of a given salt reached 100% abnormal colonies when osmotic pressure was raised to 1.9 atm. with KNO_3, 1.3 atm. with $CaCl_2$, or 4.0 atm. with NaCl. J. F. S.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

GORYACHEV, P. P.

"Biology of Opisthorchis Felineus (Rivolta, 1884) in the Environmental Conditions of Western Siberia." First Moscow Order of Lenin Medical Inst., Moscow, 1955. (Dissertation for the Degree of Doctor of Biological Sciences)

SO: Knizhnaya Letopis', No. 22, 1955, pp 93-105

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

GORYACHEV, P.P.

Effect of the water level in river inundation areas on the development of Opisthorchis felineus. Zool.zhur. 37 no.12:1808-1812 D '58. (MIRA 12:1)

1. Chair of Biology, Chelyabinsk Medical Institute.
(Omsk Province--Liver fluke) (Floods)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6

GORYACHEV, P.P.

Variability of the cell form and coenobium of Pediastrum tetras (Ehrenberg) Ralfs. Bot. zhur. 45 no.5:732-735 My '60.
(MIRA 13:7)

1. Chelyabinskiy meditsinskiy institut.
(Algae)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000516330007-6"