SHPAYER, A.M., kand.tekhn.nauk; TRET'YAKOVA, N.Ya., kand.tekhn.nauk

Analyzing the methods of determining the crease properties of fabrics. Tekst. prom. 21 no.1:47-49 Ja '61. (MIRA 14:3)
(Textile fabrics—Testing)

SHPAYER, A.M.; BERNATSKAYA, V.V. (Moskva)

Use of wire pads for preventing shine in wet-thermal treatment of fabrics. Shvein.prom. no.1:16-18 Ja-F '62. (MIRA 15:4)
(Pressing of garments)

SHPAYER, A.M.; LALIASHVILI, Z.A.; BERNATSKAYA, V.V. (Moskva)

Characteristics of the processing of fabrics containing lavsan fibers. Shvein.prom. no.5:26-30 S-O '62. (MIRA 15:10)
(Textile fibers, Synthetic)
(Tailoring)

KOLESNIKOV, P.A.; SHPAYER, A.M.; TRET'YAKOVA, N.Ya. (Moskva)

The "R-5" relaxometer for determining the deformation components of fabrics. Shvein.prom. no.5:34-37 S-O '62. (MIRA 15:10)
(Textile fabrics—Testing)

KATAYEV, G.A.; SHPAYER, I.S.

Separation of certain impurities in metallic arsenic from its solutions by the extraction method. Izv.vys.ucheb.zav; khim.i khim.tekh. 4 no.5:723-726 '61. (MIRA 14:11)

1. Tomskiy gosudarstvennyy universitet imeni V.V. Kuybysheva, kafedra analiticheskoy khimii.

(Arsenic) (Metals)
(Extraction (Chemistry))

KATAYEV, G.A.; SHPAYER, I.S.

Extraction of zinc and Co(II) thiocyanate complexes with isoamyl alcohol. Izv.vys.ucheb.zav.; khim.i khim.tekh. 7 no.6:891-897 '64. (MIRA 18:5)

1. Tomskiy gosudarstvennyy universitet imeni Kuybysheva, kafedra analiticheskoy khimii.

SHPAYER, L.I.

Intra-osseous anesthesia. Khirurgiia 32 no.3:17-19 Mr '56.
(MLRA 9:7)

1. Iz gospital'noy khirurgicheskoy kliniki (dir.-prof. G.D. Obraztsov) Chelyabinskogo meditsinskogo instituta i vtorogo khirurgicheskogo otdeleniya Chelyabinskoy oblastnoy klinicheskoy Bol'nitsy (glavnyy vrach L.M.Raskina)
(ANESTHESIA, LOCAL, intra-osseous (Rus))

SHPAYER, L.I. (Chelyabinsk, ul. Vorovskogo, d.56,kv.11); SARAPUL'TSEV, I.A.

Abstracts. Ortop., travm. i protez. 25 no.11:67 N '64.
(MIRA 18:11)

1. Iz travmatologicheskogo otdeleniya Chelyabinskoy oblastnoy bol'nitsy (glavnyy vrach - N.S. Klyukov). Submitted December 23, 1963.

SHPAYER N.M.

ALICHKIN, S.L.; AGRINSKIY, N.I.; ANDREYEV, G.F.; BAKUMENKO, G.D.; VORONTSOV, S.M.; VOYSTRIKOV, I.V.; GRADYUSHKO, G.M.; ZYKOV, A.V. IVANOVTSEV, P.V.; KINBURG, M.Ya.; KOVALEV, P.A.; KOZLOVSKIY, Ye.V. KORNIYENKO, A.P.; KOLYAKOV, Ya.Ye.; LAKTIONOV, A.M.; LEVADNYY, B.A. MEDVEDEV, I.D.; NOVIKOV, N.V.; ORLOV, F.M.; OSTROVSKIY, A.A.; ORTSEV, V.P.; PENIONZHKO, A.M.; POLOZ, D.D.; PRITULIN, P.I.; PETUKHOVSKIY, A.A.; ROGALEV, G.T.; RYBAK, P.Ya.; SUTYAGIN, G.P. TUKOV, R.A.; KHAVCHENKO, D.F.; CHERNETSKIY, T.I.; SHPAYER, N.M. SHUSTOVSKIY, F.A.

Nikolai Vasil'evich Spesivtsev. Veterinariia 35 no.2:96 F '58. (MIRA 11:2)
(Spesivtsev, Nikolai Vasil'evich, 1901-1957)

SHPAYER R.

KULEBYAKIN, A.; SHPAYER, R.

Training of builders. Prof. -tekh.obr. 11 no.1:31 '54. (MLRA 7:6)
(Technical education)

SHPAYER,YE. L. PA 70T78

USSR/Medicine - Encephalitis Mar/Apr 1948
Medicine - Case Records

"The Clinical Aspects of the Cochlear Vestibular Syndrome in Encephalitis," Ye. L. Shpayer, Cand Med Sci, Otoneurol Cabinet, State Inst of Physiotherapy, 5 pp

"Vest Oto-Rino-Laringol" Vol X, No 2

Reports series of examinations of encephalitis patients. Tabulates results. Analyzes observations showing that cochlear vestibular symptoms with conflicting data of different tests, together with tonic atypical mystagmus, such as functional degeneration of the medullary and mesodiencephalic region, are characteristic for processes in the mesodiencephalic region.

70T78

SHPAYER, YE. L.

33463. Klinicheskaya Anatomiya Piramidy Visochnoy Kosti. (Anatomo-Topogr. Issledovaniye). Vestnik Otorinolaringologii 1949, No. 5, c. 22-28.

SO. Letopis' Zhurnal'nykh Statey, Vol. 45, Moskva, 1949

SHPAYKHER, A., kandidat geograficheskikh nauk

Oceanography course for ship captains.("Oceanography." G.R. Zhukovskii,. Reviewed by A. Shpaikher).Mor.flot 15 no.5:32-33 My '55. (MLRA 8:6)
(Oceanography) (Zhukovskii, G.R.)

BARANOV, I.V.; SHPAYKHER, A.O.

Change of some elements of hydrological conditions in the Baltic Sea. Izv.Vses.geog.ob-va 88 no.3:239-250 My-Je '56. (MIRA 9:9)
(Baltic Sea--Salinity) (Baltic Sea--Ocean temperature)

SHPAYKHER, A.O.

New data on the vertical movement of Fennoscandia. Izv.Vses.geog. ob-va 89 no.3:239-243 My-Je '57. (MIRA 10:11)
(Baltic Sea--Shore lines)

AUTHOR: Shpaykher, A.O. SOV-12-90-4-8/22

TITLE: Contemporary Fluctuations of North Atlantic Glaciers (Sovremennyye kolebaniya lednikov Severo-Atlanticheskogo sektora)

PERIODICAL: Izvestiya Vsesoyuznogo geograficheskogo obshchestva, 1958, Vol 90, Nr 3, pp 356-362 (USSR)

ABSTRACT: The author presents tables of fluctuation of the movements of several Icelandic, Norwegian, Swedish and American glaciers, as well as tables of temperature fluctuations in these regions. There are 7 tables, 1 map, 1 graph, and 15 references, 6 of which are Soviet, 4 English and 5 Swedish.

1. Glaciers--Motion 2. Glaciers--Atlantic Ocean

Card 1/1

SHPAYKHER, A.O.

Wind effect on the drift of lugger type research ships. Probl.Arkt. no.6:110-112 '59. (MIRA 13:6)
(Sailing ships) (Winds)

SHPAYKHER, A.O.

"The Gulf Stream; a physical and dynamical description" by H.Stommel. Okeanologiia 1 no.3:565-566 '61. (MIRA 16:11)

TIMOFEYEV, Vladimir Timofeyevich; PANOV, Vladimir Vasil'yevich; SHPAYKHER, A.O., otv. red.; NEDOSHIVINA, T.G., red.; ALEKSEYEV, A.G., tekhn.red.

[Indirect methods for the separation and analysis of water masses]Kosvennye metody vydeleniia i analiza vodnykh mass. Leningrad, Gidrometeoizdat, 1962. 350 p. (MIRA 15:12)
(Hydrology)

SHPAYKHER, A.O.

"Physical oceanography" [in English] by A.Defant. Reviewed by A.O.Shpaikher. Okeanologiia 2 no.4:754-757 '62. (MIRA 15:7)
(Oceanography) (Defant, A.)

SHPAYKHER, A.O.

Role of the runoff of the Kolyma River in the formation of hydrological conditions in the East Siberian Sea during the summer. Trudy AANII 264:31-38 '63. (MIRA 17:6)

MORETSKIY, V.N.; SHPAYKHER, A.O.

"Marine hydrologic forecasts" by A.A.Zverev. Reviewed by V.N. Moretskii, A.O.Shpaikher. Okeanologiia 3 no.2:363-365 '63. (MIRA 16:4)

(Meteorology, Marine) (Zverev, A.A.)

PANOV, V.V.; SHPAYKHER, A.O.

Effect of the Atlantic Ocean waters on some characteristics of hydrological conditions in the Arctic Basin and adjacent seas. Okeanologiia 3 no.4:579-590 '63. (MIRA 16:11)

SHPAYKHER, A.G.; MORETSKIY, V.N.

Polar hydrogeological front in the Greenland and Norwegian Seas. Okeanologiia 4 no.2:267-275 '64. (MIRA 17:5)

1. Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy institut, Leningrad.

L 38798-66 EWT(1)/FCC GW

ACC NR: AT6006576 (N) SOURCE CODE: UR/2546/65/000/142/0067/0074

AUTHOR: Shpaykher, A. O.

ORG: none

TITLE: Effect of Atlantic waters on the hydrometeorological regime of the Arctic seas

SOURCE: Moscow. Tsentral'nyy institut prognozov. Trudy, no. 142, 1965. Morskiye prognozy i raschety (Marine forecasts and calculations); materialy Vsesoyuznogo soveshchaniya, noyabr' 1963 g., 67-74

TOPIC TAGS: atmospheric circulation, long range weather forecasting, sea ice, hydrometeorology, ocean current, ocean dynamics, Arctic climate

ABSTRACT: The possibility of using the volume of water and the amount of heat carried to the Arctic by Atlantic waters in the forecasting of hydrometeorological conditions in the Arctic was investigated on the basis of water flow at 78° NL, between Greenland and Spitsbergen. Ice observations in the Beaufort and Nansen basins show that ice thicknesses are considerably thinner in the basins due to the heat carried by the Atlantic waters. The effect of heat carried by the Atlantic waters on atmospheric circulation in the Arctic was investigated on the basis of a classification developed by G. Ya. Vangengeym. The study shows that 1) the air temperatures over the Arctic basin are affected by heat obtained from water masses; 2) there is some interconnection be-

Card 1/2

L 38798-66

ACC NR: AT6006576

tween the mean air temperatures in the Arctic and the amount of heat delivered by the Atlantic waters during the previous year; 3) introduction of a large amount of heat into the air in winter has a considerable effect on atmospheric circulation; 4) heat delivered by the Atlantic waters plays an important role in air temperature, ice thickness, and atmospheric circulation in the Arctic. Orig. art. has: 4 tables, 2 figures.

SUB CODE: 04,08/ SUBM DATE: none/ ORIG REF: 013

SHPAYKHER, A.O.

Influence of Atlantic waters on the formation of the hydrometeorological regime of the Arctic seas. Trudy TSIP no.142:67-74 '65.
(MIRA 18:10)

ACC NR: AT6028735 (N) SOURCE CODE: UR/3116/66/269/000/0005/0012

AUTHOR: Shpaykher, A. O. (Candidate of geographical sciences); Yanes, A. V.

ORG: none

TITLE: Relationship between waters of the North Atlantic and macrosynoptic processes

SOURCE: Leningrad. Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy institut. Trudy, v. 269, 1966. Odeanograficheskiye i gidrometeorologicheskiye issledovaniya Arkticheskikh morey (Oceanographic and hydrometeorological studies of Arctic Seas), 5-12

TOPIC TAGS: heat balance, ocean dynamics, Arctic climate, synoptic meteorology

ABSTRACT: Heat loss in the Arctic Ocean during the winter months is discussed. While the total figures are not as yet available, the magnitude of the effects of such an interaction is evident from the fact that Atlantic waters discharging through the Faeroe-Shetland Strait amount to 133,100 cubic kilometers each year. The discharge through the Fram Strait is 56,000 cubic kilometers per year. Fluctuation in the quantity of heat carried by the discharging waters of the Atlantic during the year varies from the mean value by as much as 45%, or $128{,}598 \cdot 10^{12}$ calories. On the basis of such studies, the yearly forecasts of temperatures of water may be made with a fair degree of accuracy. As much as 58.9% of the heat brought in by the Atlantic waters escapes into atmosphere. In the case of the Kara Sea, losses of heat into the atmosphere are 3 times

UDC: 551.463.6:551.511.33(261) : (98)

Card 1/2

ACC NR: AT6028735

greater in winter than in summer. The investigations showed that the losses of heat stored in Atlantic waters, which discharged into the Arctic basin, fully account for the distribution of temperature and other features of the atmospheric circulation. The authors agree with other investigators that the transfer of heat is faster in the meridional direction than across. In all probability, Atlantic waters give off heat both directly into the atmosphere and by diffusing it into colder waters. Orig. art. has: 3 tables.

SUB CODE: 08/ SUBM DATE: none/ ORIG REF: 009

Card 2/2

ACC NR: AT6035116 (N) SOURCE CODE: UR/2561/66/000/022/0035/0042

AUTHOR: Shpaykher, A. O.; Belyakov, L. N.; Izmaylov, V. V.

ORG: None

TITLE: The influence of Pacific Ocean waters on the hydrological regime in sections of the Arctic basin near the Pacific Ocean

SOURCE: Leningrad. Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy institut. Problemy Arktiki i Antarktiki, no. 22, 1966, 35-42

TOPIC TAGS: hydrology, ocean current, ocean dynamics, ocean property, ocean tide

ABSTRACT: The efforts of scientists to determine the genesis of the warm layer in the sections of the Arctic near the Pacific Ocean are discussed in some detail. Computed and observed values for heat exchange in the areas are compared and are found to coincide well. Study of the activities of Pacific Ocean waters will undoubtedly prove to be useful for an understanding of the characteristics of the formation of hydrometeorological conditions in the sections of the Arctic basin adjacent to the Pacific Ocean, but to do so will require the organization of regular measurements of the quantities of Pacific Ocean water flowing into the Arctic basin through Bering Strait. Orig. art. has: 1 figure and 4 tables.

SUB CODE: 08/SUBM DATE: 09Jun65/ORIG REF: 011/OTH REF: 001

Card 1/1 UDC: 551.465(268)

RAKOV, L.A.; KAZAKOV, A.K.; SHPAYKHER, V.I.

Vacuum unit for light annealing. Mashinostroitel' no.3:34 Mr '63. (MIRA 16:4)
(Titanium alloys—Heat treatment)

SHPAYZER, A., referent

Interrelationships between experimental hypercholesteremia, magnesium requirement, and experimental atherosclerosis. Izv. AN Uz.SSR.Ser.med. no.6:77 '58. (MIRA 12:5)
(ARTERIOSCLEROSIS) (CHOLESTEROL) (MAGNESIUM IN THE BODY)

SHPAYZER, A., referent

Biochenical functioning of vitamin B_{12}. Izv.AN Uz.SSR.Ser. med. no.6:77-78 '58. (MIRA 12:5)
(CYANOCOBALAMINE)

SHPAZHNIKOV, Boris; PERSIDSKIY, V.

Notes of a naturalist. IUn.nat. no.7:38-39 Jl '62. (MIRA 15:8)
(Animals, Habits and behavior of)

PAUKOV, P.V.; SHPEKHT, A.A.

Automation of the manufacture of pistons in the "Avtotraktorodetal'" factory in Tambov. Trakt. i sel'khozmash. 32 no.1:42-45 Ja '62. (MIRA 15:2)

1. Glavnyy inzh. Tambovskogo zavoda "Avtotraktorodetal'" (for Paukov). 2. Rukovoditel' tekhnologicheskogo byuro Tambovskogo zavoda "Avtotraktorodetal'" (for Shpekht).
(Tambov--Pistons) (Assembly-line methods)

SHPEKHT, L.Ye.

Case of cancer of the hepatic duct. Vop. onk. 6 no. 10:84-86 O '60. (MIRA 14:1)

(LIVER—CANCER)

PAUKOV, Petr Vasil'yevich; SHPEKHT, Oleg Adamovich; KORNEYEV, S.G., red.; POPOV, V.N., tekhn. red.

[From automatic machines to an automatic plant]Ot stankov-avtomatov k zavodu-avtomatu. Tambov, Tambovskoe knizhnoe izd-vo, 1962. 39 p. (MIRA 15:11)

(Automation)
(Tambov Province—Tractor industry)
(Tambov Province—Automobile industry)

BOROVIK, M.G.; MYASIN, N.I.; SOLOMON, L.S.; SHPEKTOR, A.A.

Obtaining pure dust-like molding materials in a jet mill. Lit. proizv. no.5:16-17 My '62. (MIRA 16:3)
(Sand, Foundry--Additives) (Crushing machinery)

BOROVIK, M.G.; SOLOMON, L.S.; SHPEKTOR, A.A.

Analysis of the economic efficiency of wet reclamation of sand from used foundry mixtures. Lit. proizv. no.12:20-22 D '64. (MIRA 18:3)

KALYAGIN, A.M.; SHPEKTOROV, I.N.

Recommendations for re-equipping the ER-7A excavator for work on frozen ground. Stroi.truboprov. 10 no.10:33-34 O '65. (MIRA 18:10)

1. Spetsial'noye konstruktorskoye byuro "Gazstroymashina".

SHPEKTOROV, I.N., inzh.

Using a modified trench excavator. Stroi. truboprov. 6 no.4:21 Ap '61. (MIRA 14:6)

1. Spetsial'noye knostruktorskoye byuro "Gazstroymashina". (Excavating machinery)

SHPEKTOROV, I.N., inzh.

Determining the power expended on digging with a rotary trench excavator. Stroi.truboprov. 7 no.2:15-16 F '62. (MIRA 15:3)

1. Spetsial'noye konstruktorskoye byuro "Gazstroymashina", Moskva.

(Excavation machinery)

SHPEKTOROV, L.L.

AKSENOVA, N.I., inzhener; SHPEKTOROV, L.L., inzhener; KIPIANI, R.Ya., kandidat sel'skokhozyaystvennykh nauk.

Faster method for deriving hydrogen cyanide from "TSianplav" and its use in mechanized fumigation. Sel'khozmashina no.2: 12-15 F '54. (MLRA 7:2)

1. GSKB po chayu. (Hydrogen cyanide) (Spraying and dusting equipment)

SHPEKTOROV, Yu., inzhener.

New efficiency measures in the Baydakov coal field. Mast.ugl. 3 no.11:17-18 N'54. (MLRA 8:3)
(Baydakov--Coal mines and mining)

SHPEKTOROV, Yu. Z.

47. MECHANIZATION OF STRIPPING OPERATIONS AT OPENCAST MINES IN THE DNIEPER BROWN-COAL FIELD. Artyukhov, P.N. and Shpektorov, Yu.Z. (Mekhan. Trud. tyazhel. Rabot (Mech. arduous Wk, Moscow), June 1956, 27-31). An account with figures, is given of operations at the three large mines, with illustrations of some of the machines in use.

POLYAKOV, N.S., prof.; LICHIN, starshiy nauchnyy sotrudnik; SHPEKTOROV, Yu.Z.

Mechanization of drifting operations in mining lignite. Ugol' Ukr. 2 no.2:32-35 F '58. (MIRA 13:3)

1.Chlen-korrespondent AN USSR (for Polyakov). 2.Dnepropetrovskiy gornyy institut (for Lichin). 3.Glavnyy inzhener tresta Aleksandriya-ugol' (for Shpektorov).
(Dnieper Basin--Lignite) (Coal mining machinery)

SHPEKTOROV, Yu.Z., inzh.

Efficient mining of the Rozdol natural sulfur deposit. Nauch. zap. Ukrniiproekta no.2:83-91 '60. (MIRA 15:1)
(Rozdol region--Sulfur mines and mining)

AKSENOV, V.P., kand.tekhn.nauk; SHPEKTOROV, Yu.Z., inzh.

Evaluating the effectiveness of open-pit mining of the Stebnik deposit of potassium salts. Nauch. zap. Ukrniiproekta no.2:92-98 '60. (MIRA 15:1)

(Ukraine--Potassium salts)

NOVOZHILOV, M.G., prof., doktor tekhn. nauk; SELYANIN, V.G.; TARTAKOVSKIY, B.N.; Prinimali uchastiye: PCHELKIN, G.D., inzh.; ESKIN, V.S., inzh.; SHARKOV, A.M., kand. tekhn. nauk; BORISYUK, R.F., inzh.; ABDUFATTAKHOV, A.A., inzh.; ANDRIYENKO, A.F., inzh.; KTITOROV, P.M., inzh.; GLUSKIN, L.I., inzh.; LEVCHENKO, N.K., inzh.; GAVRILYUK, I.I., inzh.; SHPEKTOROV, Yu.Z., inzh.; KOCHERGA, N.T., red.; GORKAVENKO, L.I., tekhn. red.

[New technical methods and equipment in open-pit mining of mineral deposits] Novaia tekhnologiia otkrytoi razrabotki mestorozhdenii poleznykh iskopaemykh. Pod obshchei red. M.G.Novozhilova. Kiev, Gos.izd-vo tekhn. lit-ry USSR, 1961. 205 p. (MIRA 15:5)

(Strip mining)

KUKHARCHUK, N.N., inzh.; SHPEKTOROV, Yu.Z., inzh.; BOGDANYUK, V.Ye., inzh.; SOLODNIKOVA, G.S., inzh.

Estimating the efficiency of using conveyor haulage in Rozdol sulfur pits. Nauch.zap.Ukrniiproekta no.5:131-138 '61. (MIRA 15:7)

(Rozdol region--Conveying machinery)

SHPEKTOROV, Yu.Z., kand. tekhn. nauk

Efforts of the Lvov-Volyn' Basin miners to improve technical and economic indices. Ugol' 39 no.8:16-18 Ag '64. (MIRA 17:10)

1. Nachal'nik kombinata Ukrzapadugol'.

SHPEKTOROV, Yu.Z., kand. tekhn. nauk

New order of planning and economic incentives in mines of the Lvov-Volyn' Basin. Ugol' 40 no.12:1-7 D '65.
(MIRA 18:12)

1. Nachal'nik kombinata Ukrzapadugol'.

SHPEKTOROVA, R.A. (Moskva)

Treatment of some skin diseases by the nasal electrophoresis of vitamin B_1. Vest.derm.i ven. no.8:81-83 '62. (MIRA 15:9)

1. Iz kozhno-venerologicheskogo dispansera No.15 Dzerzhinskogo rayona (nauchnyy rukovoditel' M.A. Kachkovskiy).
(SKIN—DISEASES) (THIAMINE) (ELECTROPHORESIS)

[redacted], M.A.

[redacted] therapy in some skin diseases. Vest. derm. i ven. no.2: [redacted]. (MIRA 17:11)

1. Fizioterapevticheskoye otdeleniye (nauchnyy rukovoditel' [redacted]) Kozhno-venerologicheskogo dispansera No.15 (glavnyy vrach [redacted]), Leningrad.

KACHKOVSKIY, M.A., kand. med. nauk; SHPEKTOROVA, R.A.

Adrenaline electrophoresis in the treatment of neurodermatitis. Vest. derm. i ven. no.3:56-58 '65. (MIRA 18:11)

1. Kozhno-venerologicheskiy dispanser No. 15 (glavnyy vrach Sh.G. Arakelyants), Leningrad.

SHPEKTOROVA, R.A.

Perforated segmental erythema therapy in skin diseases. Vest. derm. i ven. no.5:63-66 '65. (MIRA 18:11)

1. Kozhno-venerologicheskiy dispanser No.15 (glavnyy vrach Sh.G. Arakelyants; nauchnyy rukovoditel' - M.A.Kachkovskiy), Leningrad. Submitted January 25, 1964.

SHEBALOV, V.K., inzh.; SHPEKTOROVA, T.Ya., inzh.

A steam and gas system with a high-pressure steam superheater. Energomashinostroenie 8 no.11:3-6 N '62. (MIRA 16:1)
(Electric power plants)

SHPENIK, O.B.; SHEVERA, V.S.; ZAPESOCHNYY, I.P., dotsent

Measurement of optical excitation functions by the method of quasi-monochromatization of an electron beam. Dokl. i soob. UzhGU. Ser. fiz.-mat. i ist. nauk no.5:49-52 '62. (MIRA 17:9)

L 8546-65 EWT(1)/EWG(k)/EPA(w)-2/EEC(t)/EEC(b)-2 Pz-6/Pab-24 IJP(c)/SSD/ ASD(a)-5/AFWL/AFETR/ESD(gs)/ESD(t) AT

ACCESSION NR: AR4044035 S/0058/63/000/011/D020/D020

SOURCE: Ref. zh. Fizika, Abs. 11D189

AUTHOR: Shpenik, O. B.; Shevera, V. S.

TITLE: Use of the method of electron beam quasimonochromatization to investigate optical excitation functions

CITED SOURCE: Nauk. zap. Uzhgorodsk. un-t, v. 49, 1962, 59-63

TOPIC TAGS: electron beam, electron beam quasimonochromatization, optical excitation function

TRANSLATION: Describes a method and installation for investigating optical excitation functions by the quasimonochromatization of an electron beam. Investigates the fine structure of the excitation function of a line of the visible Cd triplet (5086A, transition $63S_1 - 53P_1$), and shows that the method is applicable for a detailed investigation of the fine structure of the curves of the

Card 1/2

L 8546-65
ACCESSION NR: AR4044035

effective excitation cross sections.

SUB CODE: NP ENCL: 00

Card 2/2

ZAPESOCHNYY, I.P.; SHPENIK, O.B.

New experimental methods for studying excitation in electron - atom collisions. Izv. AN SSSR. Ser. fiz. 27 no.8:1033-1036 Ag '63. (MIRA 16:10)

1. Kafedra optiki Fiziko-matematicheskogo fakul'teta Uzhgorodskogo gosudarstvennogo universiteta.

ZAPESOCHNYY, I.P.; SHPENIK, O.B.

Resonance character of the excitation of mercury atoms in collisions with slow electrons. Dokl. AN SSSR 160 no.5: 1053-1056 F '65. (MIRA 18:2)

1. Uzhgorodskiy gosudarstvennyy universitet. Submitted October 8, 1964.

L 32626-66 EWT(1) IJP(c) AT

ACC NR: AP6014027 SOURCE CODE: UR/0056/66/050/004/0890/0896

51
50
B

AUTHOR: Zapesochnyy, I. P.; Shpenik, O. B.

ORG: Uzhgorod State University (Uzhgorodskiy gosudarstvenny universitet)

TITLE: Excitation of atoms by beams of monoenergetic electrons

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 50, no. 4, 1966, 890-896

TOPIC TAGS: excited state, electron bombardment, electron energy, excitation cross section, diatomic molecule, spectral line, DIATOMIC MOLECULE, ATOM, ELECTRON BEAM

ABSTRACT: The purpose of the investigation was to develop an apparatus for the production of highly monoenergetic electron beams and to investigate the effective cross section for the excitation of atoms and diatomic molecules by electron impact, near the threshold of the reaction. The apparatus used for the measurements consisted of an excitation tube, an optical system, and a photoelectric attachment. The most important part was an electron monochromator based on the principle of deflection of the electrons in the field of a cylindrical condenser. The monoenergetic electron beam (with an energy scatter half width 0.05 - 0.1 ev) was produced by a 127°-cylindrical electrostatic selector. Careful measurements were made of the excitation functions of the resonant and other spectral lines of He, Zn, Cd, Hg, Na, and K. In all measurements the concentrations of the electrons and atoms were very low to ensure the production of only single collisions. The most important result was the ob-

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servation of a large number of well-resolved maxima of excitation of the lines near the threshold, something that could not be observed in earlier experiments because the beam was not sufficiently monoenergetic. The resonant character of the excitation of certain energy levels is confirmed by the results. The positions of the maxima for the different levels of the different atoms are tabulated and some considerations are advanced with regard to their origin. It is demonstrated that the interaction between the atom and the electron can give rise to three competing intermediate processes (positive ion, excited Beutler level, negative ion), which were previously observed in experiments, but it is still impossible to determine which of the processes plays the decisive role. It is also concluded that the optical method described here provides more information than the electric method, in that it gives data not only on the initial levels but also on a large number of higher levels of the given atom. The authors thank Professor V. M. Dukel'skiy for continuous interest in the work. Orig. art. has: 5 figures and 1 table.

SUB CODE: 20/ SUBM DATE: 02Nov65/ ORIG REF: 005/ OTH REF: 006

L 58558-65 EWT(l)/EPA(s)-2/EWT(m)/EPA(w)-2/EEC(t)/EWP(t)/EWP(b)/EWA(m)-2
Pz-6/Pt-7 IJP(c) JD/JG/AT

ACCESSION NR: AP5007558 S/0020/65/160/005/1053/1056

AUTHORS: Zapesochnyy, I. P.; Shpenik, O. G.

TITLE: Resonant character of the excitation of mercury atoms upon collision with slow electrons

SOURCE: AN SSSR. Doklady, v. 160, no. 5, 1965, 1053-1056

TOPIC TAGS: mercury, mercury atom excitation, resonant excitation, electron collision, excitation function, fine structure

ABSTRACT: The authors describe the results of an investigation of the excitation functions of some lines of mercury atoms, performed with monoenergetic electron beams from various devices. The beam current densities were 0.3×10^{-5} -- 1×10^{-3} A/cm^2, and the vapor pressures were 6×10^{-4} -- 1.5×10^{-3} mm (2×10^{13} atoms/cm^3). The half-width of the distribution function was 0.12 eV, and 90 per cent of all the electrons were contained in an interval of 0.14 eV. The fine structure maxima were clearly resolved. The transitions, wave-

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L 58558-65

ACCESSION NR: AP5007558

2

lengths, and excitation potentials corresponding to the different maxima are tabulated, and the individual lines described. The results indicate that besides the direct excitation by the electrons and excitation via cascade transitions, the excitation of the spectral line is noticeably affected also by the level population due to electron-ion recombination. This report was presented by L. A. Artsimovich. Original article has: 4 figures and 1 table

ASSOCIATION: Uzhgorodskiy gosudarstvennyy universitet (Uzhgorod State University)

SUBMITTED: 18Aug64 ENCL: 00 SUB CODE: NP

NR REF SOV: 009 OTHER: 002

Card 2/2 elp

PLAKIDIN, D., konstruktor; SHPENKOV, Ye., konstruktor (g.Bogorodsk)

The SM-557-L stationary motorboat engine. Za rul. 18 no.8:23 Ag '60. (MIRA 13:9)
(Motorboats--Gasoline engines)

PROSHLYAKOV, A.I.; ZHELEZNYKH, V.I.; BYCHEVSKIY, B.V.; ZOTOV, V.F.; LYAMIN, N.I.; IVANOV, D.S.; BLAGOSLAVOV, B.V.; BARANOV, N.P. PANKOV, M.A.; OGORODNIKOV, V.A.; FILONENKO-BORODICH, M.M.; IL'YASEVICH, S.A.; RABINOVICH, I.M.; OLISOV, B.A.; DAVYDOV, S.S.; ZIMIN, D.D.; SHPERK, B.F.; USKOV, V.N.; BUZNIK, P.K.

Boris Aleksandrovich Olivetskii; obituary. Voen.-inzh.zhur. 101 no.12:42 D '57. (MIRA 10:12)
(Olivetskii, Boris Aleksandrovich, 1896-1957)

SHPERLING, I.D., (Sverdlovsk)

Histogenetically common features of lymphogranulomatosis and leukemia. Probl. gemat. i perel. krovi 3 no.6:52-55 N-D '58. (MIRA 12:7)
(HODGKIN'S DISEASE) (LEUKEMIA)
(HISTOLOGY, PATHOLOGICAL)

SHPERLING, I.D., kand.med.nauk

Pathoanatomy of treated congenital syphilis in infants. Vest.derm. i ven. 32 no.3:26-30 My-Je '58 (MIRA 11:7)

1. Iz patologicheskoy laboratorii (nacy.-kand.med.nauk N.A. Cartorizhskiy) Zabaykal'skogo voyennogo okruga i kafedry patologicheskoy anatomii (nach. - prof. A.N. Chistovich) Meditsinskogo ordena Lenina akademii imeni S.M. Kirova.
(SYPHILIS, CONGENITAL, pathol.
postmortem findings in inf. (Rus))

SHPERLING, I. D. (L'vov)

Morphological characteristics of vascular lesions in Takayasi disease. Arkh. pat. no.7:83-86 '61. (MIRA 15:4)

(PULSE)

SHPERLING, I.D., kand. med. nauk (L'vov); PAL'CHEVSKIY, Ye.I., prof. nauchnyy rukovoditel'.

Characteristics of odontogenic purulent and septic diseases. Stomatologiia 42 no.3:59-64 My-Je'63 (MIRA 17:1)

SHPERLING, I.D. (L'vov)

Spermatozoid granuloma of the epididymis. Arkh. pat. 26 no.2: 50-56 '64. (MIRA 17:8)

SHPERLING, I.D., kand. med. nauk (L'vov)

Clinicomorphological characteristics of spermatozoal granuloma of the epididymis. Urologiia 29 no.1:34-38 '64.
(MIRA 17:8)

DZHIGIREV, V.M.; BELITSKIY, S.V., inzh. (Tbilisi); SHPERLING, Ye.V. mekhanik-defektoskopist (stantsiya Baladzhary Azerbaydzhanskoy dorogi).

Letters to the editor. Put' i put. khoz. no.5:44-45 My '58.
(MIRA 13:3)

1.Zaveduyushchiy masterskimi stantsii Birobidzhan-II Dal'nevostochnoy dorogi (for Dzhigirev).
(Railroads)

SHPEROV, M.

On civil defense groups and training in local antiaircraft defense.
Za obor. 23 no.14:8 D '47. (MIRA 13:3)
(Air defenses)

[illegible], V. I. [illegible]

"[illegible]" (p. 139)
by [illegible] S[illegible] L. I. [illegible], V. L.

SO: [illegible] (Zhurnal Obshchey Biologii), 1940, Vol. I, No. 2

SHPET, G. PA 77T80

USSR/Medicine - Mosquitoes, Eradication Mar 1948
Medicine - Malaria, Prevention

"Antimalaria Treatment of Carp Ponds With DDT Preparation," G. Shpet and N. Kononova, 1 p

"Priroda" No 3

Describes subject experiments, carried out in laboratory and on carp ponds. DDT dose, lethal for anopheline mosquito larvae, is harmless both to carp and invertebrates they eat.

[redacted] 77T80

Shpet, G. I.

Shpet, G. I. and Kononova, N. L. "Anti-malaria treatment of carp ponds by means of DDT," Tr. dy Nauch.-issled. in-ta prudovogo i ozerno-rech. ryb. khoz-va, No. 5, 1948, p. 119-29 -- Bibliog: 11 items

So: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 13, 1949)

Bibl., G. I.

Bibl., G. I. "Unearthed fish remains of the central Dnepr", Trudy Kanch.-issled. in-ta arkheologii i etnografii, Khar'kov, No. 6, 1949, p. 43-57. Biblio: 18 items.

SO: U-4392, 19 August 53, (Letopis 'Zhurnal 'nykh Statey, No 21, 1949).

STROKOV, V.V., kandidat biologicheskikh nauk (Moskva); SHPET, G.I., kandidat biologicheskikh nauk; BRODSKIY, S.Ya., kandidat biologicheskikh nauk; DUBININ, V.B., professor.

Instances of cannibalism in animals. Priroda 45 no.7:97-99 Jl '56. (MLRA 9:9)

1.Nauchno-issledovatel'skiy institut prudovogo i ozerno-rechnogo rybnogo khozyaystva, Kiyev (for Shpet, Brodskiy).2.Zoologicheskiy institut Akademii nauk SSSR, Leningrad (for Dubinin).
(Cannibalism (Animals))

SHPET, G.I.

Relation between ontogeny and phylogeny in arthropods [with English summary in insert]. Zool.zhur. 36 no.1:85-99 Ja '57. (MLRA 10:5)

1.Nauchno-issledovatel'skiy institut prodovogo i ozerno-rechnogo rybnogo khozyaystva Ministerstva rybnoy promyshlennosti USSR.
(Arthropoda) (Ontogeny) (Phylogeny)

SHPET, J. I. Doc Biol Sci -- (diss) "On the connection between ontogenesis and phylogenesis in arthropoda." Mos, 1958. 30 pp (Acad Sci USSR. Inst of Morphology of Animals im A. N. Severtsov), 100 copies. List of author's works, pp 29-30 (KL, 36-58, 110)

PROSYANYY, Vladimir Stepanovich [Prosianyi, V.S.]; GRINEVICH, Sergey Ivanovich [Hrynevych, S.I.]; SHPET, Georgiy Iosifovich [Shpet, H.I.]; KONONOV, Vyacheslav Aleksandrovich; ONOPRIYENKO, M.M.[Onopriienko, M.M.], red.

[Fishpond culture] Stavove rybnytstvo. Kyiv, Vyd-vo Ukrains'koi akademii sil'skohospodars'kykh nauk, 1960. 102 p.
(MIRA 15:5)

(Ukraine—Fishponds)

SHPET, G.I.

"Micro-organisms and the increase of the productivity of fish ponds" by A.G. Rodina. Reviewed by G.I.Shpet. Zool. zhur. 39 no.12:1895-1896 '60. (MIRA 14:1)
(Fish ponds) (Water--Microbiology)
(Rodina, A.G.)

SHPET, Georgiy Iosifovich[Shpet,H.I.],doktor biol.nauk;FEL'DMAN,Mariya Bentsionovna, kand. khim. nauk; MOVCHAN, V.A., prof., red.; ZHELIKHOVSKIY, V.I.[Zhelikhovs'kyi, V.I.], red.; VIDONYAK, A.P., tekhn. red.

[Oxygen balance in ponds under the conditions of intensive carp culture]Kysnevyi rezhym staviv v umovakh intensyvnoho koropovoho hospodarstva. Kyiv, Vyd-vo UASHN, 1961. 125 p. (MIRA 16:2)

1. Chlen-korrespondent Akademii nauk Ukr. SSR i Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk imeni V.I.Lenina (for Movchan).
(Carp) (Water--Oxygen content)

SHPET, G.I.

Feeding of carp on mollusks. Zool. zhur. 40 no.6:939-941 Je '61.
(MIRA 14:6)

1. Institute of Fishery Management, Ukrainian Academy of Agricultural Sciences, Kiyev.
(Carp) (Fishes--Food) (Mollusks)

SHPET, G.I.

Scale regeneration in two-year-old mirror carp (Cyprinus carpio L.) due to the effect of excitation. Vop. ikht. 1 no.3:421 '61. (MIRA 14:11)

1. Institut rybnogo khozyaystva Ukrainskoy akademii sel'sko-khozyaystvennykh nauk.

(Scales (Fishes))
(Regeneration (Biology))

SHPET, G.I.; KHARITONOVA, N.N.; BAKUNENKO, L.A.

Comparative morphology of the gill apparatus of the goldfish (Carassius auratus gibelio Bloch.) and the carp (Cyprinus carpio L.) in relation to differences in their feeding habits. Zool. zhur. 40 no.11:1691-1695 N '61. (MIRA 14:11)

1. Research Institute of Fishery Management Ukrainian Academy of Agricultural Sciences, Kiev.
(Carp) (Gills) (Fishes--Food)

SHPET, G.I.; ROTOVSKAYA, V.S.

Reliability of hydrobiological samples in the evaluation of food supply for fishes. Vop. ekol. 4:155-156 '62. (MIRA 15:11)

1. Institut rybnogo khozyaystva, Kiyev.
(Fishes--Food)

SHPET, G.I.

Interrelation between the size, the occupied space and the biological productivity of some water organisms. Zhur.ob.biol. 23 no.4:283-288 Jl-Ag '62. (MIRA 15:9)

1. Research Institute of Fishery, Kiev.
(HYDROBIOLOGY)

FEL'DMAN, M.B.; SHPET, G.I.

Effect of artificial food and excretory products of fishes on the oxygen regime in ponds. Trudy sov. Ikht. kom. no.14:77-83 '62. (MIRA 15:12)

1. Institut rybnogo khozyaystva Akademii sel'skokhozyaystvennykh nauk Ukrainskoy SSR.
(Fishponds) (Fishes--Food)
(Water--Oxygen content)

SHEET, G.I.

Mechanical measures for the aeration of carp ponds in summer. Trudy sov. Ikht. kom. no.14:126-129 '62. (MIRA 15:12)

1. Institut rybnogo khozyaystva Ukrainskoy Akademii sel'skokhozyaystvennykh nauk.
(Water—Aeration)
(Fishponds)

SHPET, G.I.; ROTOVSKAYA, V.S.

Validity of hydrobiological samples in evaluation food resources of fishes. Vop.ikht. 2 no.4:745-747 '62.
(MIRA 16:2)

1. Institut rybnogo khozyaystva Ukrainskogo Soveta narodnogo khozyaystva, Kiyev.
(Fishes--Food) (Hydrobiological research)

SHPET, G.I.; KHARITONOVA, N.N.

Utilization of food by the goldfish (Carassius auratus gibelio Bloch) and the carp (Cyprinus carpio L.). Zool. zhur. 42 no.3:395-399 '63. (MIRA 17:1)

1. Ukrainian Research Institute of Fishery Management, Kiev.

L 29731-66 EWP(k)/EWI(m)/T-2/EWP(w)/EWP(f)/EWP(v)/EWP(t)/ETI IJP(c) EM/WW/JD

ACC NR: AP6012267 SOURCE CODE: UR/0114/65/000/011/0013/0016

AUTHOR: Shvets, I. T. (Academician); Dyban, Ye. P. (Candidate of technical sciences); Antonenko, F. T. (Engineer); Bumarskov, A. I. (Engineer); Zarubin, L. A. (Engineer); Shpet, N. G. (Engineer)

ORG: none

TITLE: Development and investigation of a system of air cooling of welded rotors for high power gas turbines

SOURCE: Energomashinostroyeniye, no. 11, 1965, 13-16

TOPIC TAGS: turbine rotor, gas turbine, turbine cooling, electronic simulation

ABSTRACT: In the present work, thermal calculation of the cooling system was carried out on a three-dimension electric model, based on the use of a Type EI-12 electronic integrator. A diagram shows the scheme for an electric model of a welded double-disk rotor. Based on experimental results, a figure shows the temperature field for a two-stage rotor; the data were obtained at an overall cooling air rate of 1.865 kg/sec. Conclusions are as follows: 1) use of intensive air cooling of all surfaces permits the fabrication of welded rotors with

Card 1/2 UDC: 62-71.62-253.621.438

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ACC NR: AP6012267

greater rigidity and less weight; 2) use of the modelling system proposed in the article permits development of more reliable and efficient systems of air cooling for two- and four-state rotors for gas turbines; 3) parallel distribution of the cooling air over the steges allows sufficiently uniform temperature fields in all the disks; 4) with the proposed cooling system, use of more heat resistant material for the vanes of the first stage permits raising the temperature of the gas to 850-870°; and, 5) use of the electronic modelling also makes it possible, simply and with sufficient accuracy to determine the temperature field of practically any rotor, with the use of any present type of cooling system. Orig. art. has: 4 figures and 1 table.

SUB CODE: 13, 09 / SUBM DATE: none/ ORIG REF: 006/ OTH REF: 001

Card 2/2 CC

DYBAN, Ye.P., kand.tekhn.nauk; STRADOMSKIY, M.V., kand. tekhn. nauk; SHVETS, I.T., akademik; KNABE, A.G., inzh.; POVOLOTSKIY, L.V., inzh.; SHPET, N.G., inzh.

Study of the cooling system of a seamlessly forged drum rotor of an experimental gas turbine. Teploenergetika 12 no.5:26-31 My '65. (MIRA 18:5)

1. Institut tekhnicheskoy teplofiziki AN UkrSSR i Khar'kovskiy turbinnyy zavod imeni S.M.Kirova. 2. AN UkrSSR (forShvets).

ACC NR: AP6035956 SOURCE CODE: UR/0129/66/000/010/0051/0054

AUTHOR: Il'ichev, V. Ya.; Ul'yanov, R. A.; Skibina, L. V.; Shpetnaya, A. A.

ORG: Physicotechnical Institute of Low Temperatures, AN UkrSSR (Fiziko-tekhnicheskiy institut nizkikh temperatur AN UkrSSR)

TITLE: Austenite stability of some Fe-Cr-Ni alloys at low-temperature deformation

SOURCE: Metallovedeniye i termicheskaya obrabotka metallov, no. 10, 1966, 51-54

TOPIC TAGS: chromium nickel alloy, chromium nickel steel, austenite stability, martensitic transformation, ~~low temperature deformation~~ austenitic steel, chromium steel, nickel steel, metal deformation

ABSTRACT: The martensitic transformation in 18—9, 18—12 and 17—23 chromium-nickel austenitic steels differing in the stability of austenite has been studied. Steel specimens were heat treated to obtain a fully austenitic structure and then deformed at +20, -196, -253 and -269C. X-ray diffraction patterns revealed that no martensite forms in 18—8 and 18—12 type steels with deformation at +20C. At temperatures from -196 to -269C, the amount of the martensite formed is determined primarily by the degree of deformation. The martensitic transformation is suppressed by an increase in nickel content and, in 17—23 steel, austenite was found to be stable with deformation at all temperatures tested from +20 to -269C. Orig. art. has: 2 figures and 1 table.

SUB CODE: 11/ SUBM DATE: none/ ORIG REF: 004/ OTH REF: 005/

Card 1/1 UDC: 536.48:669.15'24'26-194

Y, A I

Distr: 4E3d

4504

ENERGY AND ANGULAR DISTRIBUTION OF NEUTRONS EMITTED IN THE Be^9 (d,n) B^{10} REACTION. 19 A. I. Shpetnyi (Academy of Sciences, Ukrainian SSR). Soviet Phys. JETP 5, 357-64(1957) Oct.

The energy spectra and angular distributions of neutrons from the $Be^9(d,n)B^{10}$ reaction have been investigated at deuteron energies of 0.5, 0.8, 1.0, 1.2, 1.4, and 1.6 Mev.

The excitation curve for this reaction indicates a resonance at 1 Mev in the compound nucleus, B^{11}. The angular distribution corresponding to an excited state in B^{10} with excitation energy E_x = 3.62 Mev points to the existence of a stripping mechanism. The angular distributions of reactions involving the formation of compound nuclei are appreciably distorted on passage through a resonance. (auth)

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