"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

PYATOV, Ya.N.

AGRANONIK, Ye.Z., kand.tekhn.nauk; BELOV, A.N., dotsent; GLADKOV, A.M., inzh.; GLUSKIN, S.A., inzh.; IVANOV, L.V., dotsent, kand.tekhn. nauk; LIPKIN, Ye.V., kand.tekhn.nauk; NIKIFOROV, G.N., dotsent, kand.tekhn.nauk; PESENSON, I.B., inzh.; PRIGER, Ye.A., dotsent, kand.tekhn.nauk; PYATOV, Ya.N., inzh.; ROKHCHIN, Ye.Z., inzh.; FEDOROV, N.F., prof., doktor tekhn.nauk; SHVARTS, M.B., inzh.; SHIGORIN, G.G., dotsent, kand.tekhn.nauk; SHIFRIN, S.M., prof., doktor tekhn.nauk; POPRUGIN, I.V., inzh., retsenzent; KATS, K.F., inzh., retsenzent; ROTENBERG, A.S., red.izd-va; VORONETSKAYA, L.V., tekhn.red.

[Manual of water-supply engineering and sewerage] Spravochnik po vodosnabzheniiu i kanalizatsii. Pod red. N.F.Fedorova. Leningrad, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1959. 410 p. (MIRA 13:3)

1. Moscow. Gosudarstvennyy proyektnyy institut Vodokanalproyekt. Leningradskoye otdeleniye.
(Water-supply engineering) (Sewerage)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1"

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AGRANONIK, Ye.Z., kand.tekhn.nauk; BELOV, A.N., dotsent; GLADKOV, A.M., inzh.; GLUSKIN, S.A., inzh.; IVANOV, L.V., dotsent, kand.tekhn. nauk; LIPKIN, Ye.V., kand.tekhn.nauk; NIKIFOROV, G.N., dotsent, kand.tekhn.nauk; PESENSON, I.B., inzh.; PREGER, Ye.A., dotsent, kand.tekhn.nauk; PYATOV, Ya.N., inzh.; ROKHCHIN, Ye.Z., inzh.; FEDOROV, N.F., prof., doktor tekhn.nauk; SHVARTS, R.B., inzh.; SHIGORIN, G.G., dotsent, kand.tekhn.nauk; SHIFRIN, S.M., prof., doktor tekhn.nauk; ROTENBERG, A.S., red.izd-va; VORONETSKAYA, L.V., tekhn.red.

[Water-supply and sewerage manual] Spravochnik po vodosnabzheniiu i kanalizatsii. Pod red. N.F.Fedorova. Izd.2., ispr. i dop. Leningrad, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1960. 420 p. (MIRA 13:12)

1. Moscow. Vodokanalproyekt. Leningradskoye otdeleniye. (Water-supply engineering) (Sewerage)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

GANDIN, Lev Semenovich; LAYKHTMAN, David L'vovich; MATVEYEV, Leonid Tikhonovich; YUDIN, Mikhail Isaakovich; PYATYGINA, K.V., redaktor; VLASOVA, Yu.V., redaktor; SOLOVEYCHIK, A.A., tekhnicheskiy redaktor.

[Principles of dynamic meteorology] Osnovy dinamicheskoi meteorologii. Pod red. D.L.Laikhtmana, M.I.Yudina. Leningrad, Gidrometeorologicheskoe izd-vo, 1955. 646 p. (MLRA 9:5)
(Meteorology)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

SOV-4-58-7-3/22

AUTHOR: Borisov, Ye. and Pyatnova, I.

TITLE: Hunter of Nines (Okhotniki za devyatkami)

PERIODICAL: Znaniye - sila, 1958, Nr 7, pp 5-8 (USSR)

ABSTRACT: This article contains a description, in a fictionalized form, of the problems connected with the extraction of germanium. There are 5 sketches.

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BORISOV, Ye.; PYATNOVA, I.

Speed insures freshness. Znan.sila 30 no.7:31-35 Jl'55.
(Meat industry) (MIRA 8:10)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

PYATNOVA, I.

BORISOV, Ye.; PYATNOVA, I.

Where sugar is made. Znan.sila no.9:18-26 S '54.(MLRA 7:10)
(Sugar industry)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

PYATNOVA, Yu.B.; KOVTUN, I.A.; PLESHAKOV, M.G.; KRAYEVSKIY, A.A.; SARYCHEVA, I.K.; PREOBRAZHENSKIY, N.A.

Synthetic study in the field of polyyne compounds. Zhur. ob. khim. 32 no.1:138-139 Ja '62. (MIRA 15:2)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni M.V.Lomonosova.
(Unsaturated compounds) (Acids, Organic)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

PYATNOVA, Yu.B.; FEDULOVA, V.V.; SARYCHEVA, I.K.; PREOBRAZHENSKIY, N.A.

New synthesis of 5,8,11,14-eicosatetraenoic (arachidonic) acid.
Zhur. ob. khim. 34 no.10:3317-3320 O '64. (MIRA 17:11)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni M.V. Lomonosova.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

PYATOV, M.D.

Association of schizophrenia with hypertension. Vop. psikh. nevr. no.10:202-214 '64. (MIRA 18:12)

1. Kafedra psikhiatrii (zav. - prof. D.S.Ozeretskovskiy) 1-go Leningradskogo meditsinskogo instituta imeni akademika I.P. Pavlova.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

LYU YUYAN' [Liu Yüan]; PYATOV, N.I.; SOLOV'YEV, V.G.; SILIN, I.N.; FURMAN, V.I.

Properties of strongly deformed nuclei. Zhur. eksp. i teor. fiz. 40 no.5:1503-1510 My '61. (MIRA 14:7)

1. Ob"yedinennyy institut yadernykh issledovaniy.
(Nuclei, Atomic)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

ZAKHAR'YEV, B.N.; PYATOV, N.I.; FURMAN, V.I.

Matrix elements of β-transitions. Zhur. eksp. i teor. fiz. 41 no.5:1669-1672 N '61. (MIRA 14:12)

1. Ob"yedinennyy institut yadernykh issledovaniy.
(Quantum theory) (Beta rays—Decay)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

FYATOV, N.I.; SOLOVYEV, V.G.; ZARUBINA, I.S.[translator]

Energies of the excited states of some even strongly deformed nuclei in the range $164 \leq A < 190$. Dubna, Ob"edinennyi in-t iadernykh issledovanii. 1964. 22 p.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

S/0048/64/028/007/1173/1180

ACCESSION NR: AP4042962

AUTHOR: Pyatov, N.I.; Chernyshev, A.S.

TITLE: Three-quasiparticle states in deformed nuclei [Report, 14th Annual Conference on Nuclear Spectroscopy held in Tibilisi 14-21 Feb 1964]

SOURCE: AN SSSR. Izv. Seriya fizicheskaya, v.28, no.7, 1964, 1173-1180

TOPIC TAGS: nuclear spectroscopy, nuclear structure

ABSTRACT: Three-quasiparticle levels of the type (2n,p) and 2p,n) in deformed nuclei are discussed theoretically. The wave functions of S.G.Nilsson (Kgl.danske vid. selskab.Mat.-fys.medd.29,No.16,1955) are employed, as well as much of his notation. Two-body forces are introduced between the quasiparticles, the potential of which is proportional to the delta function of the relative coordinates and represents a mixture of Wigner and Bartlett forces. The multiplet separation is calculated by first order perturbation theory. The angular momentum coupling rules were determined in the large deformation limit by the method previously employed for two-quasiparticle states (N.I.Pyatov, Izv.AN SSSR,Ser.fiz.27,1436,1963). It was found that the most energetic state is that in which the spins of the like nucleons are parallel,

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ACCESSION NR: AP4042962

and that this state is followed by that in which all three spins are parallel. The parameters of the interaction potential were determined from known two-quasiparticle states of the even-mass nuclei Gd^{156}, Ho^{166}, Yb^{172} and W^{182}, and coefficients were calculated and tabulated with which the multiplet separations can be easily calculated for a large number of configurations. Several configurations with multiplet separation of the order of 1 MeV are discussed. It was found that the relative positions of the three lower levels of the quartet depend strongly on the ratio of Bartlett to Wigner force in the interaction. The authors discuss the occurrence of three-quasiparticle states in Lu^{177} and Hf^{177} and the possibility of observing them by means of the β- and γ-transitions in the decay chain $Yb^{177} \rightarrow Lu^{177} \rightarrow Hf^{177} \leftarrow Ta^{177}$, for which a hypothetical decay scheme is presented. This discussion includes an interpretation of the 969 keV isomeric state of Lu^{177} with spin 23/2 (M.Jorgensen, O. B.Nielsen and G.Sidenius, Phys.Lett.1,321,1962) and a $23/2^+$ state of Hf^{177} which, the authors note at the end, has been recently found (L.Kristensen, M.Jorgensen, O. B.Nielsen and G.Sidenius, Phys.Lett.8,57,1964; P.Alexander, F.Boehm and E.Kankeleit, Phys.Rev.133,B284,1964). "In conclusion, the authors express their gratitude to V. G.Solov'yev for his constant interest and assistance in the work, K.Ya.Gromov for valuable discussions, and Om San Kha for performing the numerical computations." Orig.art.has: 11 formulas, 3 figures and 2 tables.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

ACCESSION NR: AP4042962

ASSOCIATION: Laboratoriya teoreticheskoy fiziki Ob"yedinennogo instituta yaderny*kh issledovaniy (Theoretical Physics Laboratory, Joint Institute for Nuclear Research)

SUBMITTED: 21Nov63 ENCL: 00

SUB CODE: NP NR REF SOV: 003 OTHER: 008

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APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

PYATOV, N.I.; CHERNYSHEV, A.S.

Three-quasi-particle states in deformed nuclei. Izv. AN SSSR Ser. fiz. 28 no.7:1173-1180 Jl '64 (MIRA 17:8)

1. Laboratoriya teoreticheskoy fiziki Ob"yedinennogo instituta yadernykh issledovaniy.

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L 14450-65 EWT(m) DIAAP/AFWL/SSD/ESD(t)

ACCESSION NR: AP4048633 S/0048/64/028/010/1617/1630

B

AUTHOR: Pyatov, N.I.; Solov'yev, V.G.

TITLE: Energies of the excited states of some strongly deformed even-even nuclei with mass numbers between 164 and 190 /Report, Fourteenth Annual Conference on Nuclear Spectroscopy held in Tbilisi 14-22 Feb 1964/ 19

SOURCE: AN SSSR. Izv. Seriya fizicheskaya, v.28, no.10, 1964, 1617-1630

TOPIC TAGS: nuclear physics, nuclear model, nuclear structure, excited state

ABSTRACT: The energies of a number (averaging 19 per nucleus) of non-rotational states of each of the following even-even nuclei were calculated on the basis of the superfluid model with blocking taken into account and the results are tabulated: Dy^{164}, Er^{164}, Yb^{168}, Yb^{174}, Yb^{176}, Hf^{176}, W^{184} and Os^{186}. The structures of states

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formed. The level system employed is very similar to that given by

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ACCESSION NR: AP4048633

Prior (Mat.-fys.Medd.Danske Vid.Selskab.32,16,1960) but has been slightly altered to take account of more recent data concerning the single-particle levels of odd nuclei. The parameters employed in the calculations are tabulated. Many features of

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

has: 2 formulas, 2 figures and 11 tables.

ASSOCIATION: Laboratoriya teoreticheskoy fiziki Ob"yedinennogo instituta yaderny*kh issledovaniy (Theoretical Physics Laboratory, Joint Institute for Nuclear Research)

SUBMITTED: 00 ENCL: 00

SUB CODE: NP NR REF SOV: 009 OTHER: 016

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APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

PYATOV, T. (g. Vinnitsa)

For the first time in Vinnitsa. Mest.prom. i Mhud.promys. 2 no.7:8 S '61. (MIRA 14:11)
(Vinnitsa--Agricultural implements)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

FARFOROVSKIY, B.S.; PYATOV, Ya.N.; VINOGRADOV, B.A., inzh., nauchnyy red.; KAPLAN, M.Ya., red.izd-va; PUL'KINA, Ye.A., tekhn.red.

[Design and planning of coolers for industrial water supply systems] Proektirovanie okhladitelei dlia sistem proizvodstvennogo vodosnabzheniia. Leningrad, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1960. 170 p. (MIRA 13:5)
(Water supply, Industrial) (Water towers)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

URETSKAYA; VISHNYAKOVA; BORISOV; PINKHASOVICH; MURADOV; REGEL'MAN; OSERSKIY; PYATOV; BOKSERMAN; GORPISHCHENKO; YEREMENKO; ZHARKOV; POPOV; ROMANOVA; SIDORENKO; TODRIN; TIMOVEYEVA.

Dmitrii Sergeevich Pavlov; obituary. Gaz. prom. no.1:56 Ja '58. (Pavlov, Dmitrii Sergeevich, 1904-1957) (MIRA 11:2)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

PYATOVSKAYA, N.P.

Airborne measurements of albedo. Trudy GGO no.109:114-132 '61. (MIRA 14:5)

(Albedo) (Aeronautics in meteorology)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

PYATOVSKAYA, N.P.

Streams of short-wave radiation in the free atmosphere. Trudy GGO no.109:133-149 '61. (MIRA 14:5)

(Solar radiation)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

AUTHOR: Pyatovskaya, N. P. SOV/50-58-11-16/25

TITLE: A Comparison of the Instrumental and Visual Method of Distant-view Determination (Sravneniye instrumental'nogo i vizual'nogo metodov opredeleniya dal'nosti vidimosti)

PERIODICAL: Meteorologiya i gidrologiya, 1958, Nr 11, pp 50-52 (USSR)

ABSTRACT: Within the network of hydrometeorological stations two methods of meteorological distant-view (S_M) determination are employed: 1) the instrumental one (Refs 3,6) and 2) the visual one (Refs 1,2,4,5). Since the advantages of both methods are discussed in publications, the Laboratory of Experimental Investigations of the GGO (Glavnaye geofizicheskaya observatoriya = Main Geophysical Observatory) undertook the task of comparing the results of S_M determination obtained by both methods with a number of simultaneous observations. This was done by the author together with Z. P. Koblova in the Moscow area between December, 1956 and April, 1957 by means of the objects listed in table 1. Table 1 shows the results of S_M determination. The observations (with the exception

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of Nr 14 and 15) were made during a snow cover. It results from table 2 that in the case of a snow cover and strong obscuration of the objects due to haze the results of measurement by both methods virtually always agree with one another. Equal results are obtained also on days with great air transparency. It follows that the aforesaid two methods of S_M measurement offer the same results under equal conditions.

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PHASE I BOOK EXPLOITATION SOV/4147
SOV/2-8-100

Leningrad. Glavnaya geofizicheskaya observatoriya

Issledovaniye radiatsionnykh protsessov (Investigation of Radiation Processes). Leningrad, Gidrometeoizdat, 1960. 197 p. (Series: Its: Trudy, vyp. 100) Errata slip inserted. 1,000 copies printed.

Additional Sponsoring Agency: USSR. Glavnoye upravleniye gidrometeorologicheskoy sluzhby.

Ed. (Title page): K.S. Shifrin, Doctor of Physics and Mathematics, and V.L. Gayevskiy, Candidate of Geography; Ed. (Inside book): L.P. Zhdanova; Tech. Ed.: M.I. Braynina.

PURPOSE: The publication is intended for meteorologists and students of hydrometeorology at higher technical schools.

COVERAGE: This issue of the Transactions of the Main Geophysical Observatory imeni A.I. Voyeykov contains 27 articles on investigations of the radiation processes occurring in the atmosphere and on the active surface. Individual articles on the following topics are included: light dispersion in a two-layered atmosphere, comparative analysis of sighting conditions under a cloudy and a cloudless sky, investigation of long-wave radiation of the atmosphere, electronic temperature controller, aircraft instruments for measuring the spectral optical characteristics of the atmosphere and the underlying surface, and the dependence of long-wave atmospheric radiation upon the meteorological elements. References accompany

Gutshabash, S.D. Light Dispersion in Two-Layered Atmosphere 17

Kagan, V.K., A.Ya. Perel'man, and Ye.P. Ryabova. Brightness of a Cloudless Sky in a Two-Parameter Model of the Atmosphere 20

Ter-Markaryants, N.Ye. Mean Daily Values of the Sea Albedo 37

Polyakova, Ye.A. Investigation of the Meteorological Distance of Visibility During Rainfall 45

Polyakova, Ye.A., and V.D. Tret'yakov. Investigation of the Meteorological Range of Visibility During a Snowfall 53

Zel'manovich, I.L. Microstructure and Transparency of Snowfall 58

Pyatovskaya, N.P. Spectral Variation of Ground Contrasts in the Visible and Near Infrared Region of Spectrum 65

Goryshin, V.I. Device for Measuring and Recording the Transparency of the Atmosphere 74

Gayevskiy, V.L. Investigation of the Long-Wave Radiation of the Atmosphere 86

Brounshteyn, A.M. Black Radiator With a Large Aperature 93

Voytikova, T.D., and V.I. Goryshin. Electronic Temperature Controller 105

Krasil'shchikov, L.B., and O.I. Golikova. Photometric Device for Measuring Spectral Coefficients of Brightness 110

Rabinovich, Yu.I. Aircraft Instruments for Measuring Spectral Optical Characteristics of Atmosphere and Underlying Surface 115

Nikitinskaya, N.I. Application of Interference Filters of the Fabry-Perot Interferometer Type for Simplified Spectral Measurements of Direct Solar Radiation in the Ultraviolet Region of Spectrum 124

Krasil'shchikov, L.B. Problem of Sighting With Lens Receivers Through a Turbid Atmosphere 128

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

PYATOVSKAYA, N.P.

Spectral variability of contrasts near the earth's surface in the visible and near infrared region of the spectrum. Trudy GGO no.100:65-73 '60. (MIRA 13:6)
(Meteorological optics)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

PYATOVSKAYA, N.P.

Comparing instrumental and visual methods used to determine the visibility range. Meteor. i gidrol. no.11:50-52 N '58. (MIRA 11:12)

(Visibility)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

PYATOVSKAYA, N.P.

KRASIL'SHCHIKOV, L.B.; PYATOVSKAYA, N.P.

Spectral reflectance indicatrices of certain surfaces exposed to daylight in cloudy weather. Trudy GGO no.68:132-139 '57.(MIRA 10:11)
(Albedo) (Light--Scattering)

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S/169/62/000/007/100/149
D228/D307

3.5150

AUTHORS: Shifrin, K. S. and Pyatovskaya, N. P.

TITLE: Calculations of the inclined visibility range and brightness of a cloudless sky

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 7, 1962, 29, abstract 7B171 (V sb. Aktinometriya i atmosfern. optika, L., Gidrometeoizdat, 1961, 262-270)

TEXT: The aim of the work is to simplify the practical use of the nonhorizontal visibility theory developed by the authors (see RZhGeofiz, no. 4, 1958, 2913). For this a series of auxiliary calculations was made in a general form. The brightness of atmospheric haze was calculated for a wavelength of 0.55 μ for: 8 atmospheric states, characterized by the atmosphere's optical mass and by the visibility range; 4 zenith distances of the sun; 5 sighting angles; 5 albedo values; and different heights above the ground surface. It was found that the haze brightness grows approximately linearly with the increase of the albedo. An example

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Calculations of the ... S/169/62/000/007/100/149
D228/D307

is given for the calculation of the nonhorizontal visibility range with the use of tables. The error in determining the visibility range amounts to 13%. The distribution of brightness in cloudless skies was calculated by V. V. Sobolev's method. Calculations were made of the brightness factors, characterizing the brightness distribution for cloudless skies in relation to the sun's elevation above the horizon, the atmosphere's transparency, the form of the scattering indicatrix, and the ground surface's albedo. It follows from the examination of the brightness factor tables for different states of the atmosphere that: 1) the brightness factors increase monotonously when the albedo increases; 2) there are two distinct maxima -- near the sun and on the horizon; and 3) the brightness factors grow, if the optical masses are identical and the visibility range decreases, or if the visibility ranges are identical and the optical masses increase. Utilizing the brightness factor tables, it is possible to calculate the cloudless daytime sky brightness in absolute units. Comparison of the calculated brightness factors with the experimental gives a satisfactory congruence. /Abstracter's note: Complete translation./

Card 2/2

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

SHIFRIN, K.S.; PYATOVSKAYA, N.P.

[redacted]

Luminosity indicatrices of natural surfaces. Trudy GGO no.68:140-151 '57. (MIRA 10:11)

(Pyranometer) (Solar radiation)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1"

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SHIFRIN, K.S.; PYATOVSKAYA, N.P.

Short-wave radiation field over typical underlying surfaces. Trudy GGO no.166:3-23 '64.

(MIRA 17:11)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

SHIBRIN, K.S.; KOLCHINSKOV, V.Yu.; PYATOVSKAYA, N.P.

Use of artificial earth satellites in determining the flux of leaving short-wave radiation. Trudy GGO no.166:24-54 '64. (MIRA 17:11)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

S/196/62/000/008/010/017
E032/E514

3,5150

AUTHORS: Shifrin, K.S. and Pyatovskaya, N.P.

TITLE: Calculations of the oblique visibility range and brightness of cloudless sky

PERIODICAL: Referativnyy zhurnal, Elektrotekhnika i energetika, no.8, 1962, 3, abstract 8V12. (Sb. "Aktinometriya i atmosfern. optika". L., Gidrometeoizdat, 1961, 262-270)

TEXT: Experimental data on the optical properties of the atmosphere are used to develop a simple scheme for calculating the vertical and oblique visibility range (OVR) for different states of the atmosphere, objects, backgrounds etc. Use is made of the approximate method of solution of the problem of scattering of light in a plane turbid medium (method of V.V. Sobolev). The initial parameters which unambiguously determine the optical state of the atmosphere are chosen to be: total optical thickness of the atmosphere in the vertical direction and the horizontal visibility range at the Earth's surface. Auxiliary tables given in the paper facilitate rapid calculations

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PYATOVSKIY, Yu.

Devices for mounting and dismounting rear axle reducing gears. Avt. transp. 36 no.11:51 N '58 (MIRA 11:11)
(Automobiles--Transmission devices)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

PYATRASHKA, Nina [Piatrashka, Nina], nastaunitsa; KHADYKA, Sof'ya, Kalgasnitsa
KALACH, Mar'ya, kalgasnitsa; RYPINSKAYA, Nina, kalgasnitsa

May orchards blossom everywhere. Rab.i sial. 34 no.3:12 Mr '58.
(Ruzhany District--Fruit culture)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

PYATROSHYAVICHYUTE, O.S. [Petroseviciute, O.]; STUL'PINAS, B.B. [Stulpinas, B.]; GIRCHENE, B. Yu. [Girciene, B.]

Effect of certain additions on the electrodeposition of manganese-nickel alloys. Trudy AN Lit. SSR. Ser. B. no. 4:27-34 '65 (MIRA 19:2)

1. Kaunasskiy politekhnicheskiy institut. Submitted May 11, 1965.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

PYATROU, M.S.

Theory of total reflectance of transparent monoaxial crystals.
Vestsi AN BSSR.Ser.fiz.-tekh.nav. no.1:49-55 '62. (MIRA 16:9)
(Crystal optics)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

PYATROU, V.

Man without a conscience. Rab. i sial. 32 no.11:21 N '56.
(Family) (MLRA 10:1)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

PYATROVA, A.; BARYSAVA, N.

Who is to blame? Rab. i sial. 33 no.8:22-23 Ag '57. (MLRA 10:8)
(Children--Management)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

PYATYSHKIN, N.M.; LYAKH, A.A.

Improved performance of gas stove burners. Gaz.prom. 6 no.7:12-16 '61. (MIRA 17:2)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

PYATYSHKIN, N.M.; ARONOV, I.Z.

Increasing the heat output and the coefficient of efficiency of fire-tube boilers. Gor.khoz. Mosk. 34 no.12:37-38 D '60. (MIRA 13:12)

1. Nauchno-issledovatel'skiy institut sanitarnoy tekhniki Akademii stroitel'stva i arkhitektury USSR.
(Boilers)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

PYATT, E. C.

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

3RD AND 4TH ORDERS

Optical pyrometer employing an image-convertor tube for use over a temperature range of 350° to 700°C. C. R. BARBER AND E. C. PYATT *J. Sci. Instruments*, 27, 4-6 (1950).—The method of extending the range of a disappearing filament pyrometer down to 350°C. by using a device for making an infrared image visible on a fluorescent screen, as suggested by S. I. Prievert (*Compt. rend. acad. sci. U.R.S.S.*, 43, May 30 (1944)), is improved. The lamp filament, of adjustable brightness, is replaced by a narrow strip of mat white material with adjustable side illumination. Experimental use under steelworks conditions is described briefly. J.B.R.

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1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

3RD AND 4TH ORDERS

C

Optical pyrometer employing an image-converter tube for use over a temperature range of 350° to 700°C. C. R. HARNER AND E. C. PYATT, *J. Sci. Instruments*, **27**, 4–6 (1950).—The method of extending the range of a disappearing filament pyrometer down to 350°C. by using a device for making an infrared image visible on a fluorescent screen, as suggested by S. I. Prievert (*Compt. rend. acad. sci. U.R.S.S.*, **43**, May 30 (1944)), is improved. The lamp filament, of adjustable brightness, is replaced by a narrow strip of mat white material with adjustable side illumination. Experimental use under steelworks conditions is described briefly. J. B. R.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

PYATROUSKI, P.Ya. [Piatrouski, P.IA]

Aspen forms in forests of northeastern White Russia. Vestsi AN BSSR Ser. biial. nav. no.1:29-37 '62. (MIRA 17:9)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

PYATUNIN, B.V.; SANACHIN, A.V.; SULTANOV, B.Z.; LUBYANSKIY, M.M.; ABATUROV, V.G.

Preliminary data on the crookedness of holes in case of boring with hydraulic-percussion equipment. Razved. i okh. nedr 31 no. 2:48-49 F '65. (MIRA 18:3)

1. Severo-Kazakhstanskoye geologicheskoye upravleniye (for Pyatunin). 2. TSentral'no-Kazakhstanskoye geologicheskoye upravleniye (for Sanachin). 3. Sverdlovskiy gornyy institut (for Sultanov, Lubyanskiy, Abaturov).

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

PYATUNIN, I.K.; BABIN, Ye.P.

Rational utilization of heavy coal-tar products of the by-product coke industry. Izv. vost. fil. AN SSSR no.11:97-102 '57. (MIRA 11:1)

1. Ural'skiy filial Akademii nauk SSSR.
(Coal-tar products)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

PIATUNIN, N.

Mechanizers with extensive qualifications. Moskva Molodaia gvardiia, 1954. 37 p. (54-42222)

S760.R9B95

1. Machine-tractor stations. I. Piatunin, N, II, Falatov, IU.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

PYATUNINA, N.M.

Houben-Weyl's "Methods of organic chemistry." Zhur. anal. khim. 19 no.5:652 '64. (MIRA 17:8)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

LOKTIONOVA, N.A.; RASTVOROVA, N.M.; KOVRIZHNYKH, V.G.; KOMAROVA, N.K.; TELIS, M.Ya.; DOBATKIN, V.I., rukovoditel' raboty; Prinimali uchastiye: VINOKUROV, N.G.; PONAGAYBO, Yu.N.; PERETYKINA, I.N.; BULGAKOV, G.F.; PYATUNINA, V.I.; TITKOV, S.M.; KALMYKOV, K.V.; BRASLAVSKIY, D.N.; VEYSMAN, S.Ya.; APER'YANOVA, N.N.; PANTYUSHKOVA, N.S.; PRIVEZENTSEVA, T.V.

Ways to reduce warping of large-size parts made of the AK4-1 alloy. Alium. splavy no.3:271-284 '64.

(MIRA 17:6)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

S/169/61/000/011/047/065
D228/D304

AUTHOR: Pyatygina, K.V.

TITLE: Calculating the divergences of the wind from the geostrophic and the movements of cyclones

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 11, 1961, 39, abstract 11B276 (Tr. Tsentr. in-ta prognozov, no. 106, 1960, 45 - 52)

TEXT: The comparative testing was carried out for three methods of forecasting cyclone movement: 1) The method of the formal extrapolation of the baric field ("method of tendencies"); 2) The method, suggested by M.I. Yudin and based on calculation of the divergences of the wind from the geostrophic; and 3) The process of cyclone movement by a spatially-smoothed flow, also suggested by M.I. Yudin The theory of the last two methods is briefly stated. Formulas calculated for forecasting the movement of high-altitude cyclones are cited in particular. The second method was applied in the use of the preliminary smoothed field and empirical corrections. Under

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these conditions the second method was found to be the best in respect of high-altitude cyclones. All calculations were made by hand. In this connexion it is essential to note that calculations for the third method require somewhat less time than is the case with those for the second method, while calculations for the first methods take several tenths of time less than those for the other two methods. [Abstractor's note: Complete translation].

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

ACCESSION NR: AT4016872 S/2531/63/000/143/0051/0095

AUTHOR: Pyaty*gina, K.V.

TITLE: Determination of vertical velocities from equations of dynamics of the atmosphere

SOURCE: Leningrad. Glavnaya geofizicheskaya observatoriya. Trudy*, no. 143, 1963, Voprosy* chislennogo prognoza i struktura meteorologicheskikh poley (Problems in numerical forecasting and structure of meteorological fields), 51-95

TOPIC TAGS: vorticity equation, meteorology, atmospheric vertical velocity, pressure field, temperature field, precipitation, cloud, air particle, air particle trajectory, isallobar

ABSTRACT: A working method has been developed for computation of vertical velocities from the fields of pressure and temperature at an initial moment of time. The indicated method is tested by comparison of fields of vertical velocities with zones of precipitation and clouds and with the fields of vertical velocities computed from the vorticity equation. During the determination of vertical velocities from the vorticity equation a more precise method was developed for computation of the trajectories of air particles. The work was done in 1952. In computing the vertical component of vorticity an additional term was

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ACCESSION NR: AT4016872

taken into account which previously has been neglected (this term arises from nonlinear terms in the equations of atmospheric motion). Change of Coriolis force with latitude also is allowed for. A more precise method of computing trajectories was developed for computing trajectories was developed for computation of the individual derivative of vorticity. Air particle trajectories were computed on the basis of data for two times of observations. In their computation an allowance was made for the acceleration of air movement and the wind velocity components were determined in the form of the sum of the components of the geostrophic wind and the components of deflections of the wind from geostrophic. The wind direction also was taken into account in computing trajectories in order to determine the mixed derivatives of pressure (geopotential). Computations were made using surface pressure maps and pressure pattern charts for the 700-mb surface. Chapter I, discussing the vorticity equation approach, is divided into the following parts: 1. Formulas for the vertical component of vorticity and the vertical gradient of vertical velocities. 2. Synoptic situation of 11-20 June 1949 and 11-20 June 1950. 3. Computation of the vertical component of vorticity. 4. Computation of the trajectories of air particles and individual derivatives of absolute vorticity. 5. Computation of correlation coefficients for analysis of absolute vorticity and the vertical gradient of vertical velocities. 6. Determination of vertical velocity and analysis of the results. The method for determining vertical velocities described in Chapter I, based on the vorticity equation, is a good analytical

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method, but cannot be used directly in weather forecasting, since it requires a knowledge of time derivatives, that is, it is necessary to have a precise forecast of the surface pressure field and the pressure field aloft. Chapter II, discussing the direct method, based on the initial fields of pressure and temperature, effective for forecasting purposes, is divided into the following sections. 1. Formula for determination of vertical velocities by the direct method. 2. Reduction of the formula for computation of vertical velocities to a working form. 3. Computation method for calculating vertical velocities by the direct method. 4. Analysis of fields of vertical velocities. 5. Comparison of the fields of vertical velocities and the fields of daily isoallobars. The fields of vertical velocities computed by these two methods were compared with the fields of daily isoallobars for the corresponding periods. A qualitative comparison of the two fields revealed good agreement. In most cases positive isoallobaric centers are associated with regions of descending motions and negative isoallobaric centers with fields of ascending motions. This correspondence is almost identical for vertical velocities computer by the two methods. Movements of the fields of vertical velocities also were compared with movements of the isoallobaric fields; definite relationships were established. Orig. art. has: 16 figures, 15 tables and 107 formulas.

ASSOCIATION: Glavnaya geofizicheskaya observatoriya (Main Geophysical Observatory)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

PYATYGINA, K.V.

36-71-3/16

AUTHOR: Pyatygina, K.V., Zakharova, M. N.

TITLE: Advance Computation of Cyclone Center Displacement (Predvychisleniye peremeshcheniy tsentrov tsiklonov)

PERIODICAL: Trudy Glavnoy geofizicheskoy observatorii, 1957, Nr 71, pp. 49-59(USSR)

ABSTRACT: Preliminary evaluation of the trajectories of cyclones and anticyclones is of great importance in weather forecasting. The general theory of displacement of baric centers given by M. I. Yudin is based on equations of atmospheric dynamics where a baric center is characterized by an extreme of pressure. The question is discussed only mathematically. Deflection of wind from the geostrophic and conditions for the latter's existence are examined. Considering the formation and disappearance of surface baric centers, the writer concludes that the speed of displacement of the center mentioned is proportional to the degree of the wind's deflection from geostrophic and inversely proportional to the density of isohyetal lines. By substituting values for surges of heat, statics and continuity, Yudin obtains for the components of geostrophic wind a final equation which he further transformed into a suitable form for calcula-

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36-71-3/16

Advance Computation of Cyclone Center Displacement (Cont.)

tion. Practical applications are given and the errors and shortcomings of the various techniques illustrated by actual cases, are discussed. Authors mentioned: Yudin, M.I., and Kuznetsov, Ye. S. There are 4 figures, 6 tables, and 3 references, of which 2 are USSR-

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

AUTHOR: Pyatygina, K. V.

11
B+1

TITLE: Ageostrophic model for forecasting the fields of meteorological factors on a large number of levels

SOURCE: Simpozium po chislennym metodam prognoza pogody. Moscow, 1963. Trudy. Leningrad, Gidrometeoizdat, 1964, 132-142

TOPIC TAGS: meteorology, weather forecasting, wind, temperature, ageostrophic model

ABSTRACT: The author presents a computation method for forecasting temperature and wind fields. The method is based on the calculation of the vertical velocity and of deviations of the wind from geostrophic. Two variations are proposed: in terms

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The lowest relative vector error (0.58) is obtained for the 500 mb level; for the other levels it ranged from 0.64 to 0.69; 3. the absolute error of temperature

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

ASSOCIATION: none

SUBMITTED: 06Oct64 ENCL: 00 SUB CODE: ES

NO REF SOV: 009 OTHER: 000

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

SYATYGINA, K. V.

Calculation of space trajectories of air particles. Trudy GGO no.151:43-59 '64. (MIRA 17:7)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

PYATYGINA, K.V.; FEDOROVA, E.A.; BLAZHEVICH, V.G.

Preliminary results of testing the ageostrophic scheme of precomputation of fields of winds, temperature, and vertical currents. Trudy GGO no.143:3-13 '63. (MIRA 17:2)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

PYATYGINA, K.V.

Determination of vertical velocities from the equation of atmospheric dynamics. Trudy GGO no.143:51-95 '63.

(MIRA 17:2)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

PYATYGINA, K.V.

Computing geostrophic departures and cyclone movements. Trudy TSIP no.106:45-52 '60. (MIRA 13:12)

(Cyclones)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

GANDIN, L.S.; PYATYGINA, K.V.; ONIKUL, R.I.; TITOV, V.M.; SHAFRAN, Z.M.

Diurnal march of temperature in the lower atmospheric layers.
Trudy GGO no.76:3-29 '58. (MIRA 11:11)
(Atmospheric temperature)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

USPENSKIY, B.D., doktor fiz.-mat. nauk, prof.; BELOUSOV, S.L., kand. fiz.-mat. nauk; PYATYGINA, K.V.; YUDIN, M.I.; MERTSALOV, A.N., kand. fiz.-mat. nauk; DAVYDOVA, O.A.; KUPYANSKAYA, A.P.; PETRICHENKO, I.A.; MORSKOY, G.I.; TOMASHEVICH, L.V.; SAMOYLOV, A.I.; ORLOVA, Ye.I.; DZHORDZHIO, V.A.; PETRENKO, N.V.; DUBOVYY, A.S.; ROMOV, A.I.; PETROSYANTS, M.A.; GLAZOVAYA, G.P.; BATYAYEVA, T.F.; BEL'SKAYA, N.N.; CHISTYAKOV, A.D.; GANDIN, L.S.; BURTSEV, A.I.; MERTSALOV, A.N.; BAGROVYY, N.A.; BELOV, P.N.; ZVEREV, A.S., retsenzent; SIDENKO, G.V., red.; DUBENTSOV, V.R., kand. fiz.-mat. nauk, nauchn. red.; SAGATOVSKIY, N.V., red.; BUGAYEV, V.A., doktor geogr. nauk, prof., red.; ROGOVSKAYA, Ye.G., red.

[Manual on short-range weather forecasts] Rukovodstvo po kratkosrochnym prognozam pogody. Leningrad, Gidrometeoizdat. Pt.1. Izd.2., perer. i dop. 1964. 519 p. (MIRA 18:1)

1. Moscow. TSentral'nyy institut prognozov.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

Pyatykhina, D.P.

GONCHAROVA, V.I., BELOVA, Z.N., BUDNITSKAYA, P.Z., MUSHKATBLAT, S.M., PYATYKHINA, D.P.

~~Production of~~ Vitamin B_{12} from propionibacteria [with summary in English]. Mikrobiologiia 27 no.2:226-228 Mr-Ap '58 (MIRA 11:5)

1. Institut epidemiologii i mikrobiologii im. Gamaleya AMN SSSR.
(VITAMIN B 12
optimum medium for production from propionibacteria (Rus))
(PROPIONIBACTERIUM, culture
optimum medium for cultivation in production of vitamin B 12 (Rus))

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

DEVYATOVA, V.A.; PYATYSHEV, R.V.; TYDEL'SKAYA, R.O.; CHERENKOVA, I.A.

Studying pulsations of the horizontal component of the velocity of winds up to an altitude of 5 kilometers. Trudy TSAO no.21: 52-175 '58. (MIRA 11:11)

(Winds)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

PYATYSHINA, G.M.

SHAPIRO, S.Ye.; PYATYSHINA, G.M.

Meningomyelitis during measles. Vop.okh.mat. i det. 2 no.1:77-79 Ja-F '57. (MLRA 10:2)

1. Iz Khabarovskoy gorodskoy infektsionnoy bol'nitsy (glavnyy vrach Ye.N.Ageyeva)
(SPINAL CORD—INFLAMMATION) (MEASLES)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

PYATYSHKIN, N.M.[P'iatyshkin, M.M.], kand. tekhn. nauk

Concerning the drying and burning of Dnieper Basin brown coal. Kompl. vyk. pal.-energ. res. Ukr. no.1:287-293 '59. (MIRA 16:7)

1. Institut teploenergetiki AN UkrSSR.
(Dnieper Basin—Coal)

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PYATYSHKIN, N.M.; LYAKH, A.A.

Ceramic radiators for gas-operated tube boilers. Gaz.prom. 5 no.9:21-25 S '60. (MIRA 13:9)
(Boilers) (Radiators)

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PYATYSHKIN, N.M., kandidat tekhnicheskikh nauk; SAVVAKIN, G.I., inzhener.

Burning Transcarpathian lignite in furnaces with shaft-type impact mills. Energetik 4 no.9:29-31 S '56. (MLRA 9:10)
(Transcarpathia--Lignite) (Furnaces) (Pulverizers)

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ACCESSION NR: AT4016867 S/2531/63/000/143/0003/0013

AUTHOR: Pyaty*gina, K. V.; Fedorova, E. A.; Blazhevich, V. G.

TITLE: Preliminary results of testing an ageostrophic method for precomputing the fields of wind, temperature and vertical currents

SOURCE: Leningrad. Glavnaya geofizicheskaya observatoriya. Trudy*, no. 143,1963 Voprosy* chislennogo prognoza i struktura meteorologicheskikh poley (Problems in numerical forecasting and structure of meteorological fields) 3-13

TOPIC TAGS: meteorology, wind, air temperature, atmospheric vertical currents, ageostrophic model, atmospheric pressure field, baroclinic model.

ABSTRACT: A report has been published giving the preliminary results of testing the method for precomputing the fields of wind, temperature and vertical currents in the atmosphere, using an ageostrophic model, originally proposed by Pyatygina (Trudy GGO, No. 121, 1961). Computations were made with a BESM-II computer. The initial data were the components of the geostrophic wind and temperature at 263 points on a European grid. Only three precomputations have thus far been made for 12- and 24-hour periods. The synoptic situation for the three cases is described. The precomputed and actual values for the wind field were compared for

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the 97 inner points of the grid. The method for evaluating statistical errors is discussed. In the prediction of the wind field for 12 hours in advance the results were satisfactory for the 850- and 500-mb levels, with somewhat less error for the lower level. Errors are less than when the inertia method is used, particularly for the 850-mb level. The time interval used was 2 hours. This interval was unsatisfactory for a 24-hour prediction of the wind and temperature fields. Reduction of the interval to 1 hour for the four levels analyzed yielded satisfactory results for the 24-hour forecast for the 850- and 500-mb levels, but considerable error remained for the 300- and 200-mb levels; errors were prominent in the region of jet streams. Fig. 1 in Enclosure shows an example of the temperature forecast. The temperature field was computed on the basis of vertical velocities, which were precomputed successfully. Temperature prediction is more accurate than wind field prediction. Orig. art. has: 1 figure, 2 formulas, 9 tables.

ASSOCIATION: Glavnaya geofizicheskaya observatoriya (Main Geophysical Observatory)

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PYATYGIN, K. V.

PHASE I BOOK EXPLOITATION SOV/4581

Leningrad. Glavnaya geofizicheskaya observatoriya

Voprosy dinamicheskoy meteorologii i teorii klimata (Problems in Dynamic Meteorology and the Theory of Climate) Leningrad, Gidrometeoizdat, 1958. 125 p. (Series: Its: Trudy, vyp. 76) Errata slip inserted. 1,300 copies printed.

Sponsoring Agency: Glavnaya geofizicheskaya observatoriya imeni A.I. Voyeykova; Glavnoye upravleniye gidrometeorologicheskoy sluzhby pri Sovete Ministrov SSSR.

Ed. (Title page): M.I. Yudin, Doctor of Physics and Mathematics; Ed. (Inside book): Yu.V. Vlasova; Tech. Ed.: M.Ya. Flaum.

PURPOSE: This issue of the Transactions of the Main Geophysical Observatory is intended for dynamic and synoptic meteorologists and climatologists. It may also be used by students of these fields.

COVERAGE: The collection of 9 articles deals with problems in dynamic meteorology, the theory of climate, and the forecasting of air temperature using elements of the thermohydrodynamic theory. A system of climatological regionalization for

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the USSR is analyzed and recent pertinent data in this regard shown graphically. No personalities are mentioned. References follow each article.

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Zubenok, L.I., N.A. Yefimova, and V.V. Mukhenberg. Data for the Division of the USSR in the Climatic Regions 93

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PYATYSHKIN, N.M.; LYAKH, A.A.

Testing a water heater with an improved gas burner and with a radiator insert. Gaz. prom. 7 no.4:28-30 '62 (MIRA 17:7)

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PYATYSHKIN, N.M.

33998 PYATYSHKIN, N.M. Podgotovka Vlazhnogo Topliva K Szhiganiyu Tyekstil Prom-St; 1949 No. 10, S. 39

So: Letopis' Zhurnal'nykh Statey, Vol. 42, Moskva, 1949

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PYATYSHKIN, N.M.; NIKIFOROVA, R.A.

Improving gas burning in heating boilers and in small district heating installations. Gaz. prom. 4 no.2:24-27 F '59. (MIRA 12:3)
(Kiev--Gas--Heating and cooking)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1"

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PYATYSHKIN, N.M., kandidat tekhnicheskikh nauk; SEMENOV, Yu.K.; DOBKIN, O.K.

Modernizing a standard vertical furnace for burning peat.
Energetik 2 no.1:3-8 Ja '54. (MLRA 7:1)
(Furnaces)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

PYATYSHKIN, N. M.

"Testing Furnaces With Reverse-Reciprocating Grates," Za Ekon. Top., No. 3, 1949.

Cand. Tech. Sci.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

PYATYSHKIN, M.M.; SAVVAKIN, G.I.

Grinding of Transcarpathian lignite in shaft-type grinders and suitable furnace for this lignite. Trudy Inst. tepl. AN URSR no.15: 45-64 '58. (MIRA 11:10)

(Lignite)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

CHERNOBYL'SKIY, Iosif Il'ich; KREMNEV, Oleg Aleksandrovich; CHAVDAROV, Aleksandr Savvich; PYATYSHKIN, N.M., kand.tekhn.nauk, otv. red.; FEMENNIK, T.K., red.izd-va; SIVACHENKO, Ye.K., tekhn.red.

[Heat operated air conditioning equipment] Teploispol'zuiushchie ustanovki dlia konditsionirovaniia vozdukha. Kiev, Izd-vo Akad. nauk USSR, 1958. 267 p. (MIRA 11:12)
(Air conditioning--Equipment and supplies)

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L 37089-66 EWP(k)/EWT(m)/T/EWP(v)/EWP(t)/ETI IJP(c) JD/HM/HW

ACC NR: AR6005805 SOURCE CODE: UR/0137/65/000/010/D037/D037

41
B

AUTHOR: Rushinskiy, M. B.; Vetrova, E. S.; Pyatunin, V. B.

TITLE: Study of radiofrequency pipe welding.

SOURCE: Ref. zh. Metallurgiya, Abs. 10D275

REF SOURCE: Sb. Proiz. svarn. i beshovn. trub. Vyp. 3. M., Metallurgiya, 1965, 36-39

TOPIC TAGS: pipe, welding technology, weld heat treatment, welding

ABSTRACT: The consumption of energy in radiofrequency welding depends primarly on the thickness of the walls and the diameter of the welded pipe. The energy used increases with the welding speed to a lesser degree than with an increase in the pipe wall thickness. An angle of 2° between the toes of welded 18 to 33 mm diameter pipe produces the best heating and the best quality of pipe. The use of current concentrator for 18 to 28 mm pipe is not recommended. L. Kochenova [Translation of abstract]

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Card 1/1 UDC: 621.774.2.411.2

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PA-23T48

P'YAVCHENKO, N. I.

Sep 1947

USSR/Engineering
Peat
Fuels, Solid

"Approximate Method for the Determination of the Caloric Value of Peat," N. I. P'yavchenko, Candidate in Biological Sciences, 3 pp

"Torfyannaya Promyshlennost'" No 9

States various mathematical formulas for the approximation of the caloric value of peat and also presents a few tables stating the caloric value which has been determined for various types of peat. The author states that the formulas presented in the article have a margin of error of plus or minus 0.5 - 3.0 percent.

23T48

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

P'YAVCHENKO, N. I.

"Some Notes In Connection With the Selection of Peat Samples for the Determination of Natural Moisture Content," Torf. Prom., No. 3, 1948. Cand. Biol. Sci.

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PA 61/4979

USSR/Agriculture Dec 48
Soil Science

"Activities of the Commission on Marshes, All-Union Society of Soil Specialists," N. I. P'yavchenko, Secy, Commission on Marshes, 1 p

"Pochvoved" No 12

Main task of commission is to study marshes and peat-forming processes. During six session convened in 1947, specialists such as N. Ya. Kats, S. S. Dragunova A. A. Smirenskiy, and others presented reports on peat-forming processes in various parts of the USSR, and A. A. Smirenskiy's submitted "Topological

61/4979

USSR/Agriculture (Contd) Dec 48

Classification of Kazakh Marshes." Through May 48, five meetings had been held. Claims that despite small number of meetings, commission has proved its value.

P'YAVCHENKO, N. I.

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413. OPERATION OF FURNACE WITH SCRAPER BAR ON PEAT CHUNKS.
Pyatyshkin, N. M. and Kozhevnikov, V. K. (Z Khon. Topliva (Fuel Econ.), Sept. 1951, 7-10). An illustrated description is given of a grate with a reciprocating scraper bar, fitted to a locomotive-type boiler giving 600 kg of steam per h. (L).

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

P'YAVCHENKO, N. I.

"Some Data Concerning Peat Bogs of the Volga Valley," Dokl. Ak. Nauk SSSR, vol. 78, no. 1, 1951 pp 125-28

Inst. of Forestry, Acad. Sci. USSR

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1. PYAVCHENKO, N. I.

2. USSR (600)

4. Paleontology

7. Shift of vegetation zones to northeast rn Europe and Western Siberia during the post-glacial period. Dokl. AN SSSR 84 no. 1, 1952. Instituta Lesa Akademii Nauk SSSR Rec. 20 Feb. 1952

9. Monthly List of Russian Accessions, Library of Congress September 1952. Unclassified.

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1. P'YAVCHENKO, N. I.

2. USSR (600)

4. Peat - Analysis

7. Methodology for determining the degree of decomposition of dry peat. Pochvovedenie No. 4, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

P'YAVCHENKO, N.I.

Method for determining the remains of higher plants in sapropels. Metod.izuch.sapr.otl. no.1:208-218 '53. (MLRA 10:2)

(Sapropels)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

P'YAVCHENKO, N.I.; SUKACHEV, V.N., akademik.

Changes in the composition of forests in the southern part of the Valday Plateau during the Holocene. Dokl. AN SSSR 90 no.6:1143-1146 Je '53. (MLRA 6:6)

1. Institut lesa Akademii nauk SSSR. 2. Akademiya nauk SSSR (for Sukachev)
(Valday Plateau--Trees, Fossil)

P'yavchenko, Nikolay Ivanovich, Order Badge of Honor, 1953 VAN #10, p. 60

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PYAVCHENKO, N. I.

Utilization of swamplands in agriculture (forest zone). Moskva, Akad. nauk SSSR, 1954. 53 p. (Nauchno-populiarnaia seriia)

1. Peat-bogs. 2. Marshes - Russia. 3. Reclamation of land - Russia.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

P'TAVCHENKO, N.I.

Conditions for the formation of peat bogs on dry land. Trudy Inst. torf. AN BSSR 3:3-14 '54. (MLRA 9:3)

(Peat bogs)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

PIYAVCHENKO, N. I.

1126. EXAMINATION OF DEGREE OF DECAY OF AIR-DRIED PEAT UNDER A MICROSCOPE. Piyavchenko, N.I. (Torf. Prom. (Peat Ind., Moscow), Nov. 1952, vol. 29, 25, 26; abstr. in Chem. Abstr., 1954, vol. 48, 978). A ground sample of peat is treated with 2-5% caustic soda solution, neutralized on the microscope slide with sulphuric acid and examined under a microscope. C.A.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720019-1

15-57-3-3453

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 3, pp 141-142 (USSR)

AUTHOR: P'yavchenko, N. I.

TITLE: The Conditions of Peat Formation on Land (Ob usloviyakh vozniknoveniya torfyanikov na sushe)

PERIODICAL: Tr. In-ta torfa, 1954, Nr 3, pp 3-14

ABSTRACT: The types of modern swampy land were examined: areas with 1) periodic surface drainage; 2) periodic short-period peat accumulation; 3) temporary swamping of cleared-off and burned-off forest land; and 4) progressive repeated swamping. It was noted that in the majority of examples modern swamping of land areas is a temporary phenomenon. The areas become alternately swampy and dry under the influence of the interaction of the external environment and vegetation. It is remarked that the processes of modern swamping of land areas, although widespread, are not similar to the processes of ancient peat formation. L. I. B.

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