"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

IOSHPA, B.A.; OBRIDKO, V.N.

Measurements of the magnitude and direction of the magnetic field in the region of sunspots. Astron.zhur. . 40 no.6:1013-1015 N-D '63. (MIRA 16:12)

1. Institut zemnogo magnetizma AN SSSR.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

ACCESSION NR: AP4013134

S/0203/64/004/001/0017/0025

AUTHORS: Ioshpa, B. A.; Obridko, V. N.

TITLE: Measurement of the total magnetic field vector on the sun

SOURCE: Geomagnetizm i aeronomiya, v. 4, no. 1, 1964, 17-25

TOPIC TAGS: solar magnetic field, magnetic field measurement, Stokes parameter, absorption line, sunspot

ABSTRACT: A method for measuring the magnitude and direction of the magnetic field on the sun has been developed, and the Stokes parameters, which completely describe the polarization of radiation, can be measured simultaneously. The Stokes parameters are given by the relations

$$J = \xi_1^2 + \xi_2^2, \qquad Q = \xi_1^2 - \xi_2^2, \qquad U = 2\overline{\xi_1 \xi_2 \cos(\varepsilon_1 - \varepsilon_2)},$$
$$V = 2\overline{\xi_1 \xi_2 \sin(\varepsilon_1 - \varepsilon_2)},$$

where ξ_1 and ξ_2 are the amplitudes of the electric vector along two mutually perpendicular axes (and perpendicular to the line of sight) of an arbitrary coordinate system, and $\varepsilon_1 - \varepsilon_2$ is their phase difference. A variable voltage is

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ACCESSION NR: AP4013134

applied to an electrooptical crystal of ammonium phosphate such that the phase difference varies as $\frac{1}{2}\pi\sin\omega t$. A quarter-wave plate is placed in front of the crystal with the angle between the ordinary axis of the plate and the crystal axis set at 30°. Three measuring devices are situated behind the crystal: one at the fundamental modulation frequency adds the signals from both wings of the absorption line, the other two, at twice the fundamental frequency, respectively add and subtract the signals from the line wings. It is shown that the measured intensities are then given by

$$I_{\omega t} = 0{,}55\, Q \sin 2\Phi,$$

$$I_{2\omega t+} = 0{,}23 \sin 60^\circ\, Q \cos 2\Phi,$$

$$I_{2\omega t-} = 0{,}23 \cos 60^\circ\, V,$$

where Φ is the angle between the ordinary axis of the plate and the projection of the magnetic field vector in a plane perpendicular to the line of sight. The component of constant intensity is

$$I_{-} = 0{,}5J - 0{,}24\, Q \cos 2\Phi \sin 60^\circ.$$

≈ 0.5 J. The magnetic field intensity H and the angle Ψ between the field vector and the line of sight can then be found from the expressions

$$\frac{V}{J} = kf_1(H)\cos\psi.$$

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ACCESSION NR: AP4013134

$$\frac{Q}{J} = k f_2(H) \sin^2 \psi,$$

where the coefficient k is found by calibration of the signals. The f $f_1(H)$ and $f_2(H)$ are shown on a graph. As an example H, I, and $H_{\parallel}$ are the region of a sun spot group observed June 14, 1963. The lower limits [illegible] detect-ability are 150 oersteds for $H_{\perp}$ and 7 oersteds for $H_{\parallel}$. The authors express thanks to E. I Mogilevskiy for formulation of the problem and helpful discussion[illegible] to O. I. Vasil'yeva for help in computations, to A. N. Savranskaya and Z. [illegible] Aleksashina for preparation of the material and adjustment of apparatus. [illegible] art. has: 17 equations and 6 graphs.

ASSOCIATION: Institut zemnogo magnetizma, ionosfery*i rasprostraneniya radiovoln AN SSSR (Institute of Terrestrial Magnetism, Ionosphere, and Radio Wave Propagation AN SSSR)

SUBMITTED: 19Dec62 DATE ACQ: 02Mar64 ENCL: 00

SUB CODE: AA NO REF SOV: 004 OTHER: 003

Card 3/3

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

KORNITSKAYA, Ye.A.; OBRIDKO, V.N.

Calculation of the components of the total vector as observed with a solar magnetograph. Geomag. i aer. 5 no.2:336-341 Mr-Ap '65. (MIRA 18:7)

1. Institut zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln AN SSSR.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBRIDKO, V.N.

Matrix of radiation scattering in a magnetic field. Astron. zhur. 42 no.1:102-106 Ja-F '65. (MIRA 18:2)

1. Institut zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln AN SSSR.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBRIDKO, V.N.

Formation of the solar absorption line with a split upper level in a magnetic field. Astron. zhur. 42 no.3:502-508 My-Je '65. (MIRA 18:5)

1. Institut zemnogo magnetizma ionosfery i rasprostraneniya radiovoln AN SSSR.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

L 24110-66 FBD/EWT(1) GW/WS-2
ACC NR: AP6008766

SOURCE CODE: UR/0030/66/000/002/0155/0156

AUTHOR: Obridko, V. N.

ORG: none

TITLE: Conference on solar activity

SOURCE: AN SSSR. Vestnik, no. 2, 1966, 155-156

TOPIC TAGS: astronomic conference, solar eclipse, solar atmosphere, solar activity, chromosphere, sunspot, magnetic field, solar radio emission, solar magnetic field, photosphere

ABSTRACT: A meeting of the Commission on Solar Research was held from 13 to 17 October 1965 at the Kislovodsk Mountain Station of the Main Astronomical Observatory, Academy of Sciences USSR. The topic of the meeting was the study of active solar regions and the results of observations of the solar eclipse of 30 May 1965. Yu. I. Vitinskiy and R. N. Ikhsanov (Main Astronomical Observatory) reported on the development of sunspot groups and the rise of the magnetic field in the form of a twist of force lines to the solar surface. G. B. Gel'freykh and his coworkers observed coronal condensations above sunspots which served as local sources of

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ACC NR: AP6008766

radio emission. These sources appeared simultaneously with a spot group. A case was recorded when an appearance of two local radio sources preceded the formation of a sunspot group. A. B. Severnyy enumerated studies conducted at the Crimean Astrophysical Observatory during recent years. He stressed the great heterogeneity in the fine magnetic structure of the active regions and the weak (general) magnetic field at high latitudes. The study of the fine structure of the magnetic field can reveal processes of the dissipation of the magnetic field and of the emanation of energy during flares.

E. I. Mogilevskiy and his coworkers at the Institute of Terrestrial Magnetism, the Ionosphere, and Radio Wave Propagation, Academy of Sciences USSR, reported on new data on the structure of the magnetic field and the radial velocities in sunspots and active regions obtained from magnetographs for the total vector which simultaneously record all parameters necessary for determining the value and direction of the solar magnetic field. The problem of the evolution of accumulations of magnetic heterogeneities in the chromosphere above sunspots was solved.

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V. Ye. Stepanov discussed studies on magnetic measurements carried out at the Institute of Terrestrial Magnetism, the Ionosphere, and Radio Wave Propagation, Siberian Division, Academy of Sciences USSR. Cases of sharp changes in the structure of the magnetic field in the chromosphere and photosphere were found. A series of reports associated with the spectral structure of the solar atmosphere followed in which the chromospheric formations and their development were discussed.

M. N. Gnevyshev, the chief of the solar eclipse expedition, reported on the results of observations. Important facts on the radiodiameter of the sun and the distribution of radio brightness on the disk in the centimeter-wave range were found. A sharp change of the solar radiodiameter was found using 1.3-cm waves and 2-cm waves which gave evidence of great changes in the state of the atmosphere. [ATD PRESS: 4215-F]

SUB CODE: 03, 20 / SUBM DATE: none

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

L 00392-67 EWT(1) GW

ACC NR: AR6033094 SOURCE CODE: UR/0269/66/000/007/0054/0054

AUTHOR: Ioshpa, B. A.; Obridko, V. N.

10
B

TITLE: Full vector photoelectric magnetograph

SOURCE: Ref. zh. Astronomiya, Abs. 7.51.381

REF SOURCE: Sb. Solnechn. aktivnost', No. 2, M., Nauka, 1965, 131-148

TOPIC TAGS: magnetic field, solar magnetic field, magnetograph, solar magnetograph, photoelectric magnetograph, magnetic vector, magnetic field measurement

ABSTRACT: A description is given of the solar magnetograph IZMIRAN. A qualitative description is presented of the method of simulatneous registration of all the components of the magnetic vector. Procedures for checking the operation of the circuit are described and evaluations are made of possible errors (several %). A presentation is made of the theory and methods used in calibrating observations, and formulas are cited which relate measured Stokes parameters to the magnetic field parameters (accuracy 10—20%). Recording accuracy at a voltage potential of ~ 6.2 kv on the ADP is $\Delta H_{\parallel} \sim 5-6$ gs, $\Delta H_{\perp} \sim 100$ gs,

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and $\Delta\lambda \sim 4°$. The measurements were processed on the Ural-2 electronic computer. Typical recordings and maps of magnetic fields are given. The work includes 12 bibliographic references. [Translation of abstract]

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

ACC NR: AR6035297 SOURCE CODE: UR/0269/66/000/009/0053/0053

AUTHOR: Ioshpa, B. A.; Obridko, V. N.

TITLE: Measurement of the magnetic field in solar flares on 14 June 1963

SOURCE: Ref. zh. Astronomiya, Abs. 9.51.447

REF SOURCE: Solnechnyye-dannyye, no. 11, 1965(1966), 46-47

TOPIC TAGS: magnetic field, solar flare, photosphere, sunspot

ABSTRACT: The structure of the magnetic field in the photosphere was determined in the region of the solar flare on 14 June 1963 in a disintegrating group of sunspots (2 recordings) with the aid of the complete vector magnetograph of the Institute of Terrestrial Magnetism and Radio Wave Propagation, Academy of Sciences SSSR (IZMIRAN). Filament flares are situated in parallel to the neutral line of the longitudinal field at some distance from it. In the filaments, the maxima of longitudinal field amounts to 40 gs. Between the filaments, the longitudinal field is practically equal to zero, and the transverse field does not exceed the low limits of a measurable field (70 gs), but in filaments it is slightly higher. Azimuths of the transverse field in various filament flares differ by almost 90°. [Translation of abstract]

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

L 08926-67 EWT(1) GW

ACC NR: AR6025347 SOURCE CODE: UR/0269/66/000/004/0058/0059

AUTHOR: Ioshpa, B.A.; Obridko, V. N.

36

TITLE: On the measurement of ray velocities on a full vector magnetograph

SOURCE: Ref. zh. Astronomiya, Abs. 4.51.456

REF SOURCE: Solnechnyye dannyye, no. 5, 1965, 62-65

TOPIC TAGS: ~~[illegible]~~, Sun, ~~sun~~ solar magnetic field, ~~[illegible]~~ magnetometer, solar radiation

ABSTRACT: Errors in the determination of ray velocities on a magnetograph measuring the full magnetic vector of the magnetic field of the Sun are discussed. Magnetic field measurement with the magnetograph is usually made on two wings of the magneto-active line. The compensator works so as to equalize intensities at the portions of both wings of the line on which measurements are made. Usually, this corresponds to a symmetrical location of the line relative to the input slits of the magnetograph. During measurement of the full vector, an ancillary plate is placed in front of the analyzer of the circularly polarized light; the plate contributes approximately a $\pi/2$ phase difference between the ordinary and the extraordinary ray. Thus the circularly polarized σ- component radiation is transformed by the plate into a linearly polarized one, with the direction of polarization of one component in the polaroid plane, and that of the other - perpendicular to it. Therefore, in the presence of the longitudinal field component the radiation intensity reaching the photomultiplier cathode from symmetri-

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ACC NR: AR6025347

cally located (with respect to the center of the line) portions, will be different, with the maximum difference occuring with the plate located coaxially with the ADP crystal. This leads to a shift of the line with respect to the symmetric location, and to a false signal on the ray velocity recorder(which is a maximum in the absence of the ADP crystal). If the crystal is present, and is thus bringing phase shifts changing from $+\pi/2$ to $-\pi/2$, the time average of the intensity differences which are symmetrical relative to the center of the line of portions - decreases; however, the error may still be large. An increase of the crystal voltage decreases the error, which can be reduced to zero because the difference of intensities at $\delta_{cr} > \pi/2$ has a sign opposite to that at $\delta_{cr} < \pi/2$. Calculation shows that the error becomes zero at 6.7 kv on the crystal, Estimates of possible errors on the magnetograph of full vector IZMIRAN are made. Maximum error for the operation of the crystal at 6.5 kv corresponds to a signal under 300 m/sec for a field of 1000 gs. At 6.5 kv the error is practically absent. [Translation of abstract].

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

ACC NR: AP7001506 SOURCE CODE: UR/0033/66/043/006/1135/1142

AUTHOR: Livshits, M. A.; Obridko, V. N.; Pikel'ner, S. B.

ORG: Institute of Terrestrial Magnetism, Ionosphere, and Radiowave Propagation, AN SSSR (In-t zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln AN SSSR); State Astronomical Institute im. P. K. Shternberg (Gos. astronomicheskiy in-t)

TITLE: Radio emission and atmospheric structure above sunspots

SOURCE: Astronomicheskiy zhurnal, v. 43, no. 6, 1966, 1135-1142

TOPIC TAGS: radio emission, sunspot, photosphere, chromosphere, Alfven wave, solar corona

ABSTRACT: The circularly polarized radio emission on centimeter wave lengths from the regions above sunspots requires the presence of a magnetic field $H \gtrsim 1000$ G and coronal temperature $\gtrsim 10^6$ K. Direct observations of magnetic fields in the photosphere and chromosphere as well as theoretical considerations on intense broadening of a tube of lines of force in rarefied atmospheric layers show that field strength of $H \gtrsim 1000$ G is found only at heights not exceeding 3000 km. This implies that the corona apparently begins at a small height above spots. A model of a radio source is computed using the radio spectrum of sources and data on circular polarization. Hydrostatic density distribution is assumed. The radio data allow reliable determination of temperature on height. The sharp boundaries of the source, its radiation directivity, and its coin-

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ACC NR: AP7001506

cidence with umbrae are also explained. The difference between the chromosphere above the spot and normal chromosphere is associated with small dissipation of Alfven and accelerated waves in a strong field. The slow (sound) waves fade in the low chromospheric parts, where they do not cause noticeable heating. Apparently only accelerated waves reach the corona, where they are transformed into other types of waves and fade at great heights. From there, the energy is passed by heat conduction to the low parts of the corona responsible for radio emission. Orig. art. has: 2 formulas, 2 figures, and 1 table.

SUB CODE: 03/ SUBM DATE: 22Mar66/ ORIG REF: 016/ OTH REF: 009

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APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

KAPUSTSIK, E. [Kapuscik, J.]; OBRYK, E. [Obrik, J.]

Electromagnetic properties of baryons in a model of unitary symmetry. Acta physica Pol 26 no.6:1175-1179 '64.

1. Laboratory of Theoretical Physics of the Nuclear Research Institute, temporarily at Institute of Nuclear Physics, Krakow. Submitted April 23, 1964.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

DONHOFFER, S.;MESTYAN, G.P.;OBRINCSAK, E.;PAP, T.;TOTH, I.

Acute effect of physiological thyroxin on the reactions of energy metabolism at high temperature in thyroidectomized, hypophysectomized and with methylthiouracil treated rats. Kiserletes orvostud. 4 no. 6: 405-409 Dec 1952. (CIML 24:1)

1. Pathophysiology Institute, Pecs Medical University.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

DONHOFFER, S.; MESTYAN, G.; [redacted], N.; PAP, T.; TOTH, I.

The mechanism of the rise in O_2-consumption in hyperthermia. Acta physiol. hung. 4 no.1-2:63-69 1953. (CIML 25:1)

1. Of the Institute of Pathophysiology of Pecs University.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

DIACONESCU,V., ing.; POPPEL,E., ing.; OBROCKA,P., ing.

Behavior of pulps from annual plants(reed and straw) in the manufacture of paper; aspects of their printability. Cel hirtie 12 no.5/6:184-192 My-Je'63.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

DIA[illegible], V., ing.; OBROCE[illegible], [illegible], ing.

Influence of added reed and straw [illegible] paper porosity.
Cel hirtie 13 no.7:233-[illegible]

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBROCKI, J.

"System of Classification of Chemical Apparatus." p. 302 (CHEMIK. Vol. 7, No.11, Nov. 1954; Katowice, Poland.)

So: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 4, April 1955, Uncl..

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBROCKI, J.

OBROCKI, J. The structure and aims of the new systematics of chemical apparatus in the light of technical progress. p. 255

Vol. 9, no. 9, Sept. 1956
CHENIK
SCIENCE
Warszawa, Poland

So: East European Accession, Vol. 6, no. 2, Feb. 1957

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBROSKOVA, YE.I. (Moscow)

"The laminar boundary layer on a flat plate with surface combustion and gas emission"

Report presented at the 2nd All-Union Congress on Theoretical and Applied Mechanics, Moscow 29 Jan - 5 Feb 64.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBROSKOVA, E. I. (Moscow)

"Laminar Boundary Layer On A Porous Plate With Heat and Mass Exchange."

report presented at the First All-Union Congess on Theoretical and Applied Mechanics, Moscow, 27 Jan - 3 Feb 1960.

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83307

17.4430

S/179/60/000/004/005/027
E031/E135

26.2181

AUTHORS: Avduyevskiy, V.S., and Obroskova, Ye.I. (Moscow)

TITLE: The Investigation of the Laminar Boundary Layer on a Porous Plate with Heat and Mass Transfer

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh nauk, Mekhanika i mashinostroyeniye, 1960, No 4, pp 25-34

TEXT: The authors consider the problem of a laminar boundary layer on a permeable flat plate surrounded by a flow of a compressible gas in the case that a gas with physical properties differing from those of the incident flow is fed through the surface. Thermal diffusion, diffusion heat conductivity and radiation are ignored and it is assumed that no chemical reactions take place in the mixture. The conservation conditions for the i-th component at the plate are considered and it is shown that if the concentration of the i-th component in a cooling mixture is constant, then the concentration of the gas at the wall cannot be given independently of the inflow of the coolant. Next the heat balance at the plate is considered, and an expression is derived for the quantity of heat which passes through the boundary layer to the wall due to heat conductivity and diffusion to heat the coolant.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

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The Investigation of the Laminar Boundary Layer on a Porous Plate with Heat and Mass Transfer

It is also shown that for constant initial enthalpy of the coolant the temperature of the wall varies with the inflow of the coolant. The analysis so far has been for the case of forced inflow of coolant, but all the conclusions remain valid in the case of a surface where evaporation is taking place. It is only necessary to add a condition relating the temperature of evaporation to the concentration of the evaporating substance at the wall. In order to obtain approximate methods of making the boundary layer calculations, integral representations are introduced for the momentum, mass conservation for the i-th component, and conservation of energy. Next the concept of heat and mass transfer coefficients is introduced. The concluding section of the paper is devoted to an example to show the effect of mass transfer on the characteristics of the boundary layer. Dissociation and chemical reactions are absent, the temperature of the wall is constant and given and the problem is considered in two dimensions. It is assumed that a gas is introduced through the wall, the concentration of the coolant being kept constant in the surface of the plate.

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The Investigation of the Laminar Boundary Layer on a Porous Plate with Heat and Mass Transfer

The temperature of the gas which is introduced is equal to that of the wall. Thus there is a mixture of two gases in the boundary layer. The viscosity of the mixture is calculated as a function of the concentration by a method given by J. Wilke (Ref 2), which gives good agreement with experimental results. The relation between the viscosity and the temperature is given by Southerland's formula. The density is given by the usual expression. A linear relation was taken between the heat conductivity and the concentration. The binary diffusion coefficient depends only on the temperature (Ref 3). In order to solve the boundary layer equations, Dorodnitsin variables are introduced by putting $Y = \int_0^y \rho dy$. A further transformation introduces $\eta = Y/(x)^{\frac{1}{2}}$ and the stream function $\Psi = x^{\frac{1}{2}} f(\eta)$. It is assumed that the temperature and the heat capacity are functions only of η. Thus the partial differential equations are reduced to ordinary differential equations, which were solved on a digital computer by the method of successive approximations. Initially f was taken

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The Investigation of the Laminar Boundary Layer on a Porous Plate with Heat and Mass Transfer

as the Blasius function. The number of approximations calculated varied between 7 and 13. Even for a small inflow of a light gas there is a considerable reduction in the heat transfer coefficient. To control the accuracy of the numerical integration, the momentum equation was evaluated using the results of the exact solution. Finally the heat balance on the wall was considered, assuming that all the heat passing from the boundary layer to the wall goes to increase the enthalpy of the coolant, neglecting heat loss due to radiation and flow along the surface.
There are 5 figures and 4 references: 3 English and 1 Soviet.

SUBMITTED: September 30, 1959

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APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

AVDUYEVSKIY, V.S. (Moskva); OBROSKOVA, Ye.I. (Moskva)

Liminary boundaey layer on a porous plate in the presence of a chemical reaction on the surface. Izv.AN SSSR.Otd.tekh.nauk.Mekh.i mashinostr. no.5:3-12 S-O '62 (MIRA 15:10)
(Boundary layer)

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[illegible]

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

KAPLUN, N.A.; NEVSTRUYEVA, V.S.; OBROSOV, A.N.; RAZUMOVA, I.L.; CHERNUKH, A.M.

Effect of a galvanic current on the inflammation focus; experimental examination. Vop.kur., fizioter. i lech. fiz. kul't. 27 no.5:417-420 S-O'62. (MIRA 16:9)

1. Iz otdela eksperimental'noy khimioterapii (zav. - prof. A.M.Chernukh) Instituta farmacologii i khimioterapii (dir. deystvitel'nyy chlen AMN SSSR prof. V.V. Zakusov) i otdela fizioterapii (zav. - prof. N.A.Vinogradov) Instituta kurortologii i fizioterapii (dir. - kand.med. nauk G.N. Pospelova)Ministerstva zdravookhraneniya RSFSR.
(ELECTROTHERAPEUTICS) (FOCAL INFECTION)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBROSOV, A. N. Dr. Med. Sci.

Dissertation: "New Methods and Apparatus used in Electrotherapy." Central Inst. for Advanced Training of Physicians, 18 Nov 47.

SO: Vechernyaya Moskva, Nov, 1947 (Project #17836)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBROSOV, A.N., professor; LIVENTSEV, N.M., kandidat meditsinskikh nauk; [redacted], M.Ye., redaktor; KARTSEVA, K.K., tekhnicheskiy redaktor

[Electrodiagnosis and electric stimulation of muscles in diseases of the periferal nerves; new methods and apparatus] Elektrodiagnostika i elektrostimuliatsiia myshts pri porazhenii perifericheskikh nervov; novye metodiki i apparaty. Moskva, Gos. izd-vo med. lit-ry, 1953. 93 p. [Microfilm] (MLRA 7:10)

(Nervous system--Diseases)
(Electrodiagnosis)
(Electrotherapeutics)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBROSOV, A.N.

PIONTKOVSKIY, I.A., professor, redaktor; ANIKIN, M.M., dotsent, redaktor; VARSHAVER, G.S., dotsent, redaktor; MANIKOV, M.Ye., starshiy nauchnyy sotrudnik, redaktor; OBROSOV, A.N., professor, redaktor; PASYNKOV, Ye.I., professor, redaktor.

[Problems of physiotherapy; joint-plenum of the administration of the All-Union Society of Physiotherapists and the Scientific Council of the State Physiotherapy Scientific Research Institute of the Ministry of Health of the R.S.F.S.R.] Voprosy fizioterapii; ob"edinennyi plenum pravleniia Vsesoiuznogo obshchestva fizioterapevtov i uchenogo soveta Gosudarstvennogo nauchno-issledovatel'skogo instituta fizioterapii Ministerstva zdravookhraneniia RSFSR. Moskva, 29 iiunia- 2 iiulia 1951 g. Moskva, Medgiz, 1953. 239 p. (MLRA 7:2)

1. Vsesoyuznoye obshchestvo fizioterapevtov. (Physical therapy)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBROSOV, A.N., professor; LIVENTSEV, N.M.; NESTEROV, A.I., deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR, zasluzhennyy deyatel' nauki, professor, direktor.

Soviet classification and nomenclature of electrotherapeutic measures and apparatus should be brought up to date. Sov.med. 17 no.5:35-37 My '53. (MLRA 6:6)

1. Akademiya meditsinskikh nauk SSSR (for Nesterov). 2. Gosudarstvennyy institut fizioterapii.

(Electrotherapeutics)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBROSOV, A.N., professor, direktor.

Basic principles of therapeutic physical culture in the light of I.P.Pavlov's theory. Sov.med. 17 no.7:7-10 Jl '53. (MLRA 6:8)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut fizioterapii Ministerstva zdravookhraneniya RSFSR. (Exercise)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

VINOGRADOV, N.A., professor; OBROSOV, A.N., professor, direktor.

Physical and health resort factors in disease prevention. Sov.med. 17 no.8: 19-24 Ag '53. (MLRA 6:8)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut fizioterapii Ministerstva zdravookhraneniya RSFSR. (Health resorts, watering places, etc.)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBROSOV, A.N., professor

Physiotherapy in a therapeutic and preventive institution. Sov. zdrav. 13 no.3:14-49 My-Je '54. (MLRA 7:8)
(PHYSICAL THERAPY,
*in ther. & prev. institutions)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBROSOV, A.N.

[Using physical factors and therapeutical gymnastics in the complex treatment and prophylaxis of certain diseases] Primenenie fizicheskikh faktorov i lechebnoi gimnastiki v kompleksnom lechenii i profilaktike nekotorykh zabolevanii. metodicheskie ukazaniia. Moskva, Medgiz 1955. 106 p.(MLRA 9:1)
(EXERCISE THERAPY)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBROSOV, A.N.

[Physical factors in the treatment of patients with hypertension; a collection of articles] Fizicheskie faktory v lechenii bol'nykh gipertonicheskoy bolezn'iu; sbornik statei. Moskva, Medgiz, 1957. 163 p. (MLRA 10:6)

(HYPERTENSION)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

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OBROSOV, A. [redacted]

[General practioner's manual of physical therapy] Spravochnik prakticheskogo vracha po fizioterapii. Moskva, Medgiz, 1957. 375 p. (MIRA 10:11)

(PHYSICAL THERAPY)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBROSOV, A.N. (Moskva)

Soviet physiotherapy. Vop.kur., fizioter. i lech.fiz.kul't. 22 no.5:14-21 S-O '57. (MIRA 11:2)
(PHYSICAL THERAPY)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

Obrosov, A. N.

OBROSOV, A.N. (Moskva)

Academician P.P.Lazarev's therory of ionic excitation and modern electrotherapeutics. Vop.kur.fizioter. i lech.fiz.kul't. 22 no.6: 9-14 N-D '57. (MIRA 11:2)
(ELECTROTHERAPEUTICS)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBROSOV, A.N., prof.; LIVENTSEV, N.M., prof.

"Physics and its application in biology and medicine" [in German] by W.Beyer, E.Dörner. Reviewed by A.N.Obrozov, N.M.Liventsev. Vop.kur.fizioter. i lech.fiz.kul't. 22 no.6:81-84 N-D '57. (MIRA 11:2)

1. Gosudarstvennyy institut fizioterapii (for Obrosov). 2. Kafedra fiziki I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M.Sechenova (for Liventsev)
(PHYSICS) (BEYER, W.) (DORNER, E.)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBROSOV, A. N. (Prof., Dr.)

"Opinio nostra de mechanismis quibus factores physici in organismum agunturr."

paper submitted for the International Balneological Congress, Czechoslovakia, 8-13 Sept 1958.

Academiae scientarum medicarum sodalis (Moskva)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

ABRIKOSOV, Ivan Alekseyevich; KRYLOV, N.P.; OBROSOV, A.N., red.

[Practical physiotherapy] Prakticheskaia fizioterapiia. Moskva, 1958. 313 p. (MIRA 12:2)

(PHYSICAL THERAPY)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OHROSOV, A.N.

Modern theoretical basis of physical therapy. Vest.AMN SSSR 13 no.10:7-17 '58 (MIRA 11:10)

1. Chlen-korrespondent AMN SSSR.
(PHYSICAL THERAPY
theoretical basis, review (Rus))

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBROSOV, A.N., prof.

Results of scientific research in the field of physical therapy in the R.S.F.S.R. during the fifth five-year plan and tasks for the sixth five-year plan. Sov.med. 22 no.1:3-13 Ja '58. (MIRA 11:4)

1. Iz Nauchno-issledovatel'skogo instituta fizioterapii Ministerstva zdravookhraneniya RSFSR (dir. - prof. A.N.Obrosov)
(PHYSICAL THERAPY
in Russia (Rus))

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

ABRIKOSOV, I.A. [deceased]., ZAKHAROVA, Ye.A., KAPLUN, N.A., MARKOVNIKOVA, Y.B., OBROSOV, A.N., POZDNEYEVA, N.K., PUCHKOV, N.V.

Basic problems in galvono-zionization and electrophoresis.
Vop.kur.fizioter. i lech. fiz. kul't. 23 no. 5:390-398 S-O '58
(MIRA 11:11)

1. Iz Nauchno-issledovatel'skogo instituta fizioterapii Ministerstva zdravookhraneniya RSFSR (dir. - chlen-korrespondent AMN SSSR prof. A.N. Obrosov).
(ELECTROPHORESIS)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBROSOV, A. N. (Corres. Mbr., Acad. Medical Sci., USSR)

"Clinical and Physiological Principles in the Physical Therapy of Neuromuscular Diseases."

report to be submitted to the Planning Committee, Third Intl. Congress on Physical Medicine, Washington, D.C., 21-26 August 1960.

Summary available Intl. Conference File.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBROSOV, Aleksandr Nikolayevich; STAROSTENKOVA, M.M., red.; ATROSHCHENKO, L.Ye., tekhn.red.

[New methods in physical therapy] Novye fizicheskie lechebnye metody. Moskva, Izd-vo "Znanie," 1960. 44 p. (Vsesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii. Ser.8, Biologiia i meditsina, no.23). (MIRA 13:12)

1. Chlen-korrespondent AMN SSSR (for Obrosov).
(PHYSICAL THERAPY)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

KAPLUN, N.A.; NEVSTRUYEVA, V.S.; MITROFANOV, V.S.; OBROSOV, A.N.; PUCHKOV, N.V.; CHERNUKH, A.M.

Experimental observations on new methods for the administration of antibiotics of the tetracycline group. Antibiotiki 5 no.6:36-41 N-D '60. (MIRA 14:3)

1. Otdel eksperimental'noy khimioterapii (zav. - prof. A.M.Chernukh) Instituta farmakologii i khimioterapii i otdel fizioterapii (zav. - prof. N.A.Vinogradov) Instituta kurortologii i fizioterapii Ministerstva zdravookhraneniya SSSR.
(TETRACYCLINE)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBROSOV, A.N., prof.

Reply concerning the use of a quartz lamp with the PRK burner. Med. sestra 19 no.5:48 My '60. (MIRA 13:9)

1. Chlen-korrespondent AMN SSSR.
(ULTRAVIOLET RAYS)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBROSOV, A.N.; YASNOGORODSKIY, V.G.

Impulse oscillations in physical therapy. Vop. kur., fizioter. i lech. fiz. kul't. 25 no.2:101-109 Mr-Ap '60. (MIRA 13:9)

1. Iz Gosudarstvennogo nauchno-issledovatel'skogo instituta kurortologii i fizioterapii.
(ELECTROTHERAPEUTICS)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

TVERSKOY, P.N., prof., doktor fiziko-matematicheskikh nauk; OBROSOV, A.N., prof.

"Manual on the use of ionized air in industry, agriculture and medicine" by A.L.Chizhevskii. Reviewed by P.N.Tverskoi, A.N. Obrosov. Vop. kur., fizioter. i lech. fiz. kul't. 25 no.4:368-373 Jl-Ag '60. (MIRA 13:9)

1. Glavnyy fizioterapevt Ministerstva zdravookhraneniya SSSR, chlen-korrespondent AMN SSSR (for Obrosov).
(AIR, IONIZED) (CHIZHEVSKII, A.L.)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBROSOV, A. N., and YASNOGORODSKIY, V.G.

Academy of Medical Sciences USSR, Solyanka, 14 Moscow - " A new method of physical therapy - pulsed electric field ultra-high frequency" (21)

Report to be submitted for the 4th Intl. Conf. on Medical Electronics, New York, N.Y., 16-21 July 1961

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBROSOV, A.N., prof.

Status and problems of developing research in physical therapy in the public health institutes of the R.S.F.S.R. Biul. uch. med. sov. 2 no.5:16-20 S-O '61. (MIRA 14:11)

1. Chlen-korrespondent AMN SSSR.
(PHYSICAL THERAPY)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBROSOV, A.N., prof.

Aeroionization. Zdorov'e 7 no. 5:30 My '61. (MIRA 14:4)

1. Chlen-korrespondent Akademii meditsinskikh nauk SSSR.
(AIR, IONIZED—THERAPEUTIC USE)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

LITVENTSEV, N.M.; OBROSOV, A.N.

Third International Congress on Physical Medicine. Vop. kur., fizioter. i lech. fiz. kul't. 26 no.3:267-270 My-Je '61. (MIRA 14:7)

(MEDICINE--CONGRESSES)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

STAROBINSKIY, I.M., prof.; OBROSOV, A.N., prof.; KANEVSKIY, G.L., prof.; MILITSYN, V.A., prof.; ~~PARFENOV,~~ A.P., prof.

Resolution of the All-Union Methodological Conference on Problems in the Teaching of Physical Therapy in the Medical Institutes and in the Institutes for Advanced Training of Physicians (Leningrad, January 27-28, 1961). Vop. kur., fizioter. i lech. fiz. kul't. 26 no.4:373-376 Jl-Ag '61. (MIRA 15:1)

1. Chlen-korrespondent AMN SSSR (for Obrosov).
(PHYSICAL THERAPY--STUDY AND TEACHING)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBROSOV, A.N.; VASILENKO, F.D.; MARKOVNIKOVA, Ye.B.

Stimulation of the protective functions of the body by physical factors. Vest.AMN SSSR 17 no.5:64-68 '62. (MIRA 15:10)
(ADAPTATION (BIOLOGY)) (IMMUNITY)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBROSOV, A.N.; VINOGRADOV, N.D.; PASYNKOV, Ye.N.

I.A.Piontkovskii. Vop.kur.,fizioter. i lech. fiz. kul't. 27 no.5:468-469 S-O'63. (MIRA 16.9)
(PIONTKOVSKII, IGOR' ANDREEVICH, 1902 -)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

KAPLUN, N.A.; OBROSOV, A.N.

Combined and consecutive use of physiotherapeutic effects.
Vop. kur., fizioter. i lech. fiz.kul't. 28, no.2:97-104
Mr-Ap'63. (MIRA 16:9)

1. Iz TSentral'nogo instituta kurortologii i fizioterapii
(dir.- kand.med.nauk G.N.Pospelova)
(PHYSICAL THERAPY) (PHARMACOLOGY)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBROGOV, [illegible]

Effect of [illegible] cardiovascular [illegible] practically healthy [illegible] no.3: 223-229 [illegible]

1. Iz "Sentra [illegible] tuta [illegible] (dir.-[illegible] [illegible] [illegible]).

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBROSOV, Aleksandr Nikolayevich, prof., red.; FANIKOV, M.Ye., red.

[Manual of physiotherapy for practical physicians] Spravochnik prakticheskogo vracha po fizioterapii. Izd.2., perer. i dop. Leningrad, Meditsina, 1964. 312 p.
(BIRA 17:7)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBROSOV, A.N. (Moskva)

Results and problems of the scientific development of physical therapy and health resort treatment in the U.S.S.R. Vop.kur., fizioter. i lech.fiz. kul't 30 no.5:385-391 S-O '65.
(MIRA 18:12)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

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ACC NR: AN6006879 (N) SOURCE CODE: UR/9034/66/000/015/0003/0003

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B

AUTHOR: Obrosov, A. (Professor); Krotov, A. (Junior research associate)

ORG: All-Union Scientific Research Institute of Medical Instruments and Equipment (Vsesoyuznyy nauchno-issledovatel'skiy institut meditsinskogo instrumentariya i oborudovaniya)

TITLE: UHF pulse therapy

SOURCE: Meditsinskaya gazeta, 18 Feb 66, p. 3, col. 6-7

TOPIC TAGS: UHF therapy, pulsed microwave, microwave therapy, [redacted], UHF pulse therapy

ABSTRACT: A new device, the "Impul's-2", for UHF pulse therapy is described. Pulsed microwaves restore disrupted rhythms of physiological processes faster than earlier methods. The device's characteristics are: power output, 300 w; frequency, 39 mc; rectangular pulse duration, 2 and 8 μsec; off-duty factor, 1000; and peak power output, ≤15 kw. The dose regulation includes control of pulse duration and pulse size (2 or 8 μsec). The apparatus is provided with automatic tuning. It is convenient for daily treatment of patients with hypertension, lumbar-sacral radiculitis, arthritis, and gall bladder and liver disorders; instructions for treating each are given. UHF pulse therapy applies the right amounts of electromagnetic energy in the shortest time. Pulsed microwaves produce an oscillatory rather than a thermal effect, and can often bring about gradual and beneficial shifts in the organism. UHF pulse therapy

Card 1/2

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L 20492-66

ACC NR: AN6006879

is contraindicated by malignant neoplasms, localized or systemic blood disorders, acute tuberculosis, general exhaustion of the patient, acute or infectious diseases, or bleeding tendencies. [LP]

SUB CODE: 06/ SUBM DATE: none/ ATD PRESS: 4215

Card 2/2 JC

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

IVANOV, V.V.; NEVRAYEV, G.A.; TOLSTIKHIN, N.I., retsenzent; BAKHMAN, V.I., retsenzent; BOLASHOV, L.S., retsenzent; BEDER, B.A., retsenzent; VALEDINSKIY, V.I., retsenzent; OBROSOV, A.N., prof., otv. red.

[Classification of underground mineral waters] Klassifikatsiia podzemnykh mineral'nykh vod. Moskva, Nedra, 1964. 166 p. (Ocherki po mineral'nym vodam SSSR, no.1) (MIRA 18:4)

1. Chlen-korrespondent AMN SSSR (for Obrosov).

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBROSOV, A. N.

"La medecine physique dans le cadre de la medicine preventive."

paper submitted for 4th Intl Cong of Physical Medicine, Paris, [illegible] Sep [illegible].

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBROSOV, I. I.

OBROSOV, I. I.- "Investigation of Mechanisms for the Control of Computing Machines." Min of Higher Education USSR, Leningrad Inst of Precision Mechanics and Optics, Leningrad, 195[illegible] (Dissertations For Degree of Candidate of Technical Sciences)

SO: Knizhnaya Letopis' No. 26, June 1955, Moscow

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBROSOV, I.I.; KOVALENOK, Ye.V.

Nomograms for calculating springs for instruments with stretchers. Izm.tekh. no.9:48-51 S '62. (MIRA 15:11)
(Measuring instruments)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

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KALYAYEV, Anatoliy Vasil'yevich, kand.tekhn.nauk, dotsent, starshiy nauchnyy sotrudnik; OKROSOV, Ivan Ivanovich, kand.tekhn.nauk, dotsent; BESEDIN, Viktor Ivanovich, inzh. starshiy prepodavatel'

Printing device for the output of a digital differential analyzer. Izv. vys. ucheb. zav.; elektromekh. 6 no.1:85-54 '63. (MIRA 16:5)

1. Taganrogskiy radiotekhnicheskiy institut.
(Electronic differential analyzers)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBROSOV, Yu., nauchnyy sotrudnik.

Planning and building with foresight. Prom.koop.no.9:21-22 S '56. (MLRA 9:10)

1. Institut obshchestvennykh sooruzheniy Akademii arkhitektury i stroitel'stva SSSR.

(Cooperative societies)

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OBROSOVA, A. N.

N/5
644.62
.F5

Fizicheskiye faktory v lechenii bol'nykh gipertonicheskoy bolezn'yu (sbornik stately) (Factors in the healing process of hypertensive patients) Pod obshchey red. A. N. Obrosova. Moskva, Medgiz, 1957.
163 p. diagrs., tables.

644.62 N/5
644.4 N/5
645.1 N/5

AVS

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBROSOVA-SEROVA, N.P. , LAVROV, S.V.

"Influence of growth conditions on biological properties of influenza A2 virus."

Report submitted to the Intl. Congress for Microbiology
Montreal, Canada 19-25 Aug 1962

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

SOKOLOV, M.I.; OEROSOVA-SEROVA, N.P.

Hereditary adaptive variability of the influenza virus. Vop. virus 8 no.3:281-285 My-Je '63. (MIRA 16:10)

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR, Moskva.
(INFLUENZA—VIRUSES)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBROVSKY, E.

"A Czechoslovak reveiver for airplane mo els."

p. 152 (Letecky Modelar) Vol. 8, no. 7, July 1957
Prague, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958

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1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

3RD AND 4TH ORDERS

AM

OBRTEL, (J.). **Výsledky mykologického vyšetřování na české kožní klinice v Praze v r. 1934.** [The results of mycological studies at the Czech Skin Clinic in Prague in 1934.] *Čes. Derm.*, xvi, 4, pp. 104–110, 1 pl., 1936. [Abs. in *Zbl. Bakt.*, Abt. 1 (*Ref.*), cxxiv, 5/6, p. 133, 1936.]

Of the 50 cases of skin disease of fungal origin (confirmed by culture) investigated at the Prague Skin Clinic in 1934, 11 were due to *Microsporon audouini* [*R.A.M.*, xv, p. 721], 3 to *Trichophyton violaceum* [ibid., xvi, p. 179], 10 to *T. gypseum asteroides* [*T. mentagrophytes*: ibid., xvi, p. 101], 5 to *Achorion schoenleini*, 2 to *A. violaceum* [ibid., xv, p. 151], 4 to *Monilia* [*Candida*], 7 to *Epidermophyton inguinale* [*E. floccosum*: ibid., xv, p. 580], 5 to *E.* [*T.*] *interdigitale* [ibid., xvi, p. 178] and 3 to *T. rubrum*. The last-named made the most interesting study, causing a typical disorder to which the name of 'eczema serpiginosum epidermophyticum' is applied [ibid., xv, p. 438].

ASM SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBRTEL, J.

[illegible]. Differential Clinical Diagnosis and Treatment of Fungus Affections of the Nails. (Diferenciální klinická diagnosa a therapie oidio- a dermatofyto-onychos.)

J. Obrtel. *Československá Dermatologie* [*Čsl. Derm.*] 24, 217–226, June, 1949. 5 refs.

According to reports in the literature, 18% of cases of diseases of the nails are caused by mycotic infections, either by fungi proper or yeast-like organisms (*Oidium*). Fungus infections are caused by four types of organisms—*Microsporon*, *Trichophyton*, *Achorion*, and *Epidermophyton*. The clinical aspects of infections due to fungi and to oidin differ. Fungus infection starts at the top edge of the nail and gradually spreads to the base. The skin surrounding the nail is free from infection. The affected nail becomes dry and loses its lustre, especially at the top. It becomes brittle and peels off easily in small flakes. It is yellow in colour and occasionally brown or dark brown. If the nail is considerably thickened it separates from the nail matrix. The disease affects one or more nails. Diagnosis is made by histological study of nail flakes.

Oidio-onychosis begins at the base of the nail and spreads towards the top. The surrounding skin shows signs of subacute inflammation. This infection is usually secondary to an infection in the skin round the nail. The nail and the skin around are painful on pressure, and a small drop of pus appears under the cuticle. Subsequently there is yellow discoloration of the nail, which becomes brittle, separates from the matrix, and finally becomes thinner and gradually disappears. Humanoids often contract oidio-onychosis, which then begins as a primary disease of the nail matrix. The infection spreads towards the top of the nail and the nail separates gradually. Histologically, yeasts are found in the pus and culture confirms the diagnosis.

Therapy of onychomycosis is unsatisfactory when iodine only is used or the surface of the nail removed. The author removes the affected portion of nail with the aid of a burr attached to a dentist's drill, and then removes the newly growing nail daily for a period of a few weeks or longer. As soon as the nail is thinned down to the thickness of paper, twice-weekly treatment with the drill is sufficient. The operator should have mask protection to avoid inhalation of dust containing the mould spores. In addition to this mechanical removal, iodine dissolved in xylol can be applied locally, but the author obtained better results by applying strong Whitfield ointment twice daily at the beginning of the treatment and then once daily for a period of a few weeks or longer. The nails should be covered with a tight-fitting dressing. In addition to this treatment, therapeutic doses of *x* rays may be applied.

Rockwood's method is also effective in the treatment of oidio-onychosis. This consists in the application of a sodium perborate paste at night and daily bathing in a warm solution of concentrated sodium perborate. An alternative method is by daily application of 10% salicylic acid in methyl alcohol or painting with 10% chrysarobin in chloroform. A 1 or 2% solution of mercury bichloride in alcohol may also be applied.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBRTEL, J.

Examination of cerebrospinal fluid in control of venereal diseases. Cesk. derm. 25 no.7-8 300-304 July 1950. (CLML 20:1)

1. Of the Department for Venereal and Skin Diseases of the State District Hospital in Prague VIII-Bulovka (Head--Docent J. Obrtel, M. D.).

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBRTEL, J.

Attempt of classification of eczema according to the allergic reaction of the skin. Cesk. derm. 25 no.10:414-443 Dec 50.(CLML 20:6)

1. Of the Dermatological Department of the State District Hospital in Bulovka, Prague VIII (Head--Docent J.Obrtel,M.D.).

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBRTEL, J.

Pathogenesis of eczema. Cesk. derm. 26 no.10:432-435 Dec 1951.
(CLML 22:1)

1. Of the Dermatological Department (Head--Docent Jan Obrtel, M.D.) of the State District Hospital, Prague-Bulovka.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBRTEL, J.

Determination of etiologic factors in eczema. Cesk. derm. 27 no.1-2:22-36 May 1952. (CLML 22:3)

1. Of the Dermatological Department (Head--Docent Jan Obrtel, M. D.) of State District Hospital, Bulovka.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBRTEL, J.

Determination of external causes of eczema with the aid of routine tests. Cesk. derm. 29 no.2:124-131 Ap '54.

1. Z klinicke zakladny dermatovenerologicke katedry Ustavu pro doskolovani lekaru ministerstva zdravotnictvi (Ved. katedry doc. Dr J. Obrtel).
(ECZEMA, etiology and pathogenesis,
*allergen tests in determ. of external factors)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBRTEL, JAN.

Onemocneni vyvolana kvasinkovitymi mikrooganismy (napsali) Jan Obrtel (et al.) Praha, Statni zdravotnicke nakl., 195[illegible]. 207 p. (Diseases caused by yeast microorganisms. illus.)

DNLM Not in DLC

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBRTEL, Jan

Means for improvements in the field of dermatovenereology.
Cesk. derm. 31 no.1:1-6 Feb 56.

1. Z dermatovenerologicke katedry Ustavu pro doskolovani lekaru (vedouci katedry doc. Dr. Jan Obrtel).
(DERMATOLOGY,
in Czech. (Cz))
(VENEREAL DISEASES,
venereol. in Czech. (Cz))

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBRTEL, Jan

Soviet dermatovenereological moulage. Cesk. derm. 31 no.1: 56-57 Feb 56.

1. Z dermatovenerologicke katedry Ustavu pro doskolovani lekaru (vedoucí katedry doc. MUDr. Jan Obrtel).
(DERMATOLOGY,
dermatovenereol. moulage in Russia.(Cz))
(VENEREAL DISEASES,
same)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBRTEL, Jan

Tasks of the Department of Dermatology and Venereal Diseases of the Postgraduate Medical School, and the methods of preparation of postgraduate medical students for the higher qualifications. Cesk. derm. 31 no.2:65-71 Apr 56.

1. Z dermatovenerologicke katedry Ustavu pro doskolovani lekaru, Praha 8 vedouci katedry doc. MUDr. Jan Obrtel.
(DERMATOLOGY, educations,
postgraduate in Czech. (Cz))

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBRTEL, Jan

Food as a cause of eczema in adults. Cesk. derm. 31 no.2: 101-104 Apr 56.

1. Z dermatovenerologicke klinicke zakladny Ustavu pro doskolovani lekaru v Praze 8. nemocnice Bulovka (prednosta doc. Dr. J. Obrtel).

(FOOD,
allergy causing eczema (Cz))
(ECZEMA, etiology and pathogenesis,
food allergy (Cz))

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBRTEL', Yan [Obrtel, J.]

Investigations on external causes of eczema [with summary in English] Vest.derm. i ven. 31 no.4:12-16 Jl-Ag '57. (MIRA 10:11)

1. Iz kozhno-venerologicheskiy klinicheskoy bazy Instituta usovershenstvovaniya vrachey v Prage (glavnyy vrach - dotsent Yan Obrtel')
(DERMATITIS, CONTACT
etiol. & prev.)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

Obrtel Yan

GAVALOVSKY, Karel; OBRTEL, Yan [Obrtel, J.]

Development of dermatology and venereology in Czechoslovakia. Vest. derm. i ven. 32 no.1:69-74 Ja-F '58. (MIRA 11:4)

1. Iz 1-y dermato-vererologicheskoy kliniki Karlova universiteta (zav.-doktor meditsinskikh nauk prof. doktor Karel Gavalovski) i kafedry dermatovenerologii Instituta usovershenstvovaniya vrachey (zav. - dotsent doktor Yan Obrtel), Praga.
(SYPHILIS, CUTANEOUS
dermatovenerol., develop. in Czech. (Rus)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBRTEL, Jan

A study trip to dermato-venereological institutions in Poland. Cesk. derm. 34 no.2/3:186-193 Ap '59.

1. Dermatovenerologicka katedra Ustavu pro doskolovani lekaru v Praze, vedouci katedry doc. MUDr. Jan Obrtel.

(DERMATOLOGY hosp & clin)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBRTEL, Jan

Contribution to the improvement of records in dermatological wards. Cesk. derm. 35 no.2:125-130 Ap '60.

1. Dermatovenerologicka katedra Ustavu pro doskolovani lekaru v Praze, vedouci doc. MUDr. Jan Obrtel.

(DERMATOLOGY hosp & clin)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBRTEL, Jan

Classification of eczemas according to their etiology and pathogenesis. Cas. lek. cesk. 99 no.28:867-869 8 Jl '60.

1. Dermatovenerologicka klinicka zakladna Ustavu pro doskolovani lekaru v Prase, vedouci doc. Dr. Sc. MUDr. Jan Obrtel.
(ECZEMA etiol.)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBRTEL, Jan

Eczema nummulare. Cesk. derm. 36 no.6:373-379 '61.

1. Dermatovenerologicka klinicka zakladna Ustavu pro doskolovani lekaru v Praze, vedouci doc. MUDr. Jan Obrtel, Dr. Sc.

(ECZEMA case reports)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBRTEL, J.

Report on the activity of the dermatovenerological department of the postgraduate medical school in Prague from 1954-1962. Cesk. derm. 37 no.6:407-416 D '62.

1. Dermatovenerologicka katedra Ustavu pro doskolovani lekaru v Praze, vedouci prof. dr. J. Obrtel, DrSc.
(EDUCATION MEDICAL POSTGRADUATE) (DERMATOLOGY)
(VENEREAL DISEASES)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001237720007-2

OBRTEL, J.; VOLDANOVA, A.

Concept of the discipline of dermatovenereology. Cesk.derm. 38 no.6:377-387 D '63.

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