PANOV, A.G.; ZINCHENKO, A.P.; ANDREYEVA, A.V. (Leningrad)

Erythrocytic inclusions in some virus diseases of the nervous system. Klin. med. 41 no.9:37-44 S'63 (MIRA 17:3)

1. Kafedra nervnykh bolezney Voyenno-meditsinskoy ordena Lenina akademii imeni Kirova, Leningrad.

L 46775-66 EWT(1) DD

ACC NR: AP6031937 SOURCE CODE: UR/0177/66/000/009/0013/0016

AUTHOR: Panov, A. G. (Colonel; Medical corps; Professor); Tyagin, N. V. (Lieutenant colonel; Medical corps; Candidate of medical sciences)

ORG: none

26
13

TITLE: Symptomatology, classification, and expertise of UHF aftereffects on the human organism

SOURCE: Voyenno-meditsinskiy zhurnal, no. 9, 1966, 13-16

TOPIC TAGS: microwave radiation effect, neurophysiology, human physiology

ABSTRACT: There is conclusive factual evidence of the definite biological effects of UHF fields, which may either produce organic disorders, or serve therapeutic ends. Neurological and visceral dysfunctions observed in persons working near UHF generators may be grouped into syndromes: 1) The asthenic syndrome; onset characterized by fatigue and lowered emotional tonus, which may or may not be accompanied by autonomic disturbances (autonomic lability, acrocyanosis, sweating, heightened pilomotor reflexes, dermographism, and pulse and BP lability during orthostatic tests). The asthenic syndrome does not include fainting. Changes are reversible and often respond to dispensary treatment. 2) The autonomic-vascular dystonia syndrome centering on vascular lability (fluctuating pulse and BP, alternating brady- and tachycardia, alternating arterial hypotonus and hypertension, EKG changes,

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UDC: 612.014.426+616-001.2

Card 2/2

PANOV, A.G.; LOZEIN, V.S.; LUNCHENKOV, N.A.; MZHEL'SKIY, V.S.

Sinocarotid novocaine blocks in the treatment of myasthenia. Zhur.nevr. i psikh. 66 no.1:77-81 '66. (MIRA 19:1)

1. Kafedra nervnykh bolezney (nachal'nik - prof. A.G.Panov) kafedra voyenno-morskoy i gospital'noy khirurgii (nachal'nik - prof. Ye.V.Smirnov) Voyenno-meditsinskoy ordena Lenina akademii im. Kirova, Leningrad. Submitted May 20, 1965.

KEVORKIAN, A., prof.; DAMIANOV, G., dotsent; NIKOLOV, I., inzh.; ATANASOV, Iv., inzh.; CHESHMEDZHIEV, M., inzh.; PESHEV, Khr., inzh.; CHERVENDINEV, At., inzh.; PANOV, Al., inzh.

Introduction of the tex syetem in the textile industry in Bulgaria. Pt.1. Tekstilna prom 14 no.1:16-21 '65.

1. Chair of Textile Technology of the Machinery and Electrotechnical Institute, Sofia.

PANOV, ALEKSANDAR

Panov, Aleksandar. Ailanthus glandulosa Desf. (Beograd)1953 14p.
(Ailanthus glandulosa Desf. English and German summaries. Illus., footnotes, tables)

SO: East European, LC, Vol. 2, No. 12, Dec. 1953

PANOV, A. M., Cand of Phys-Math-Sci -- (diss) "The Behavior of the Trajectories of Difference Equation Systems in the Neighborhood of a Specific Point," Sverdlovsk, 1959, 6 pp (Ministry of Higher and Secondary Special Education, USSR. Ural State University im A. M. Gor'kiy) (KL, 7-60, 106)

L 31956-66 EWT(d)/EWP(1) IJP(c)

ACC NR: AR6016601 SOURCE CODE: UR/0044/65/000/012/B041/B041

AUTHOR: Panov, A. M. 41 B

TITLE: The behavior of trajectories of a differential equation system in the vicinity of a fixed point

SOURCE: Ref. zh. Matematika, Abs. 12B210

REF SOURCE: (Tr.) Ural'skogo politekhn. in-ta, sb. 139, 1964, 52-54

TOPIC TAGS: trajectory determination, differential equation system, linear system, fixed point, Petrovskiy theorem

ABSTRACT: Refinement is given of a theorem by I. G. Petrovskiy (Mathem. sb., 1935, 41, vyp. 3), concerning the behavior of solutions for a system close to linear in near the origin of coordinates. D. Grobman? [Translation of abstract] [AM]

SUB CODE: 12/ SUBM DATE: 00

Card 1/1

16(1)

05263
SOV/140-59-5-19/25

AUTHOR: Panov, A.M.

TITLE: On the Behavior of the Solutions of a System of Difference Equations in the Neighborhood of a Fixed Point

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Matematika, 1959, Nr 5, pp 174-183 (USSR)

ABSTRACT: The author considers the system of difference equations

(1) $X_{m+1} = AX_m + \varphi(X_{m,m})$

where A is a constant matrix. It is assumed that the coordinate origin is an isolated fixed point.
Theorem 1: Given the system (1), where the roots of the characteristic equation $\det|A-\lambda E| = 0$ satisfy the inequations $|\lambda_i| < 1$ $(1 \leqslant i \leqslant k)$, $|\lambda_{k+i}| > 1$ $(1 \leqslant i \leqslant s)$. Then there exists a manifold of initial conditions, depending on k parameters, from every point of which there arise trajectories which end in the coordinate origin for $m \to +\infty$, and a manifold, depending on s parameters, from every point of which there arise trajectories which end in the origin for $m \to -\infty$.
Theorem 2: It holds $|\lambda_i| \neq 1$ for all i and if a trajectory goes through a sufficiently small neighborhood of the singular point,

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SOV/140-59-5-19/25

On the Behavior of the Solutions of a System of Difference Equations in the Neighborhood of a Fixed Point

then it holds: The trajectory either ends in the singular point or it leaves the mentioned neighborhood.

Definition: Coordinates corresponding to those roots of the characteristic equation for which $\left| |\lambda_i| - 1 \right|$ becomes minimal are denoted as leading coordinates of a linear canonical system.

Definition: The trajectory $\{M_m(x_{1m}, \ldots x_{nm})\}$ touches the hyperplane $\Pi_s(x_1, \ldots . x_s, 0 \ldots 0)$ if for it

$$\lim_{m \to \infty} \frac{\sum_{i=1}^{s} x_{im}^2}{\sum_{i=1}^{n} x_{im}^2} = 1 .$$

Theorem 3: If all $|\lambda_i| < 1$ (or > 1) and if

$$(2) \qquad \varphi_i(x, \ldots, x_n, m) = o\left(\sqrt{\sum_{j=1}^{n} x_j^2}\right), \quad \varphi(0, m) = 0 ,$$

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On the Behavior of the Solutions of a System of Difference Equations in the Neighborhood of a Fixed Point

05263
SOV/140-59-5-19/25

then for $m \to +\infty$ (or $m \to -\infty$) almost all trajectories touch the hyperplane corresponding to the leading coordinates.
The author mentions P.V.Bromberg, M.A.Skalkina, P.I.Koval', and Petrovskiy. He thanks Ye.A.Barbashin for the theme and aid.
There are 8 references, 5 of which are Soviet, 1 American, 1 German, and 1 Swedish.

ASSOCIATION: Sverdlovskiy gosudarstvennyy pedagogicheskiy institut (Sverdlovsk State Pedagogical Institute)

SUBMITTED: June 12, 1958

Card 3/3

PANOV, A.M.

Qualitative investigation of trajectories of difference equations in the neighborhood of a fixed point. Izv.vys.ucheb.zav.; mat. no.1:166-174 '60. (MIRA 13:6)

1. Sverdlovskiy gosudarstvennyy pedagogicheskiy institut.
(Difference equations) (Trajectories)

S/140/62/000/003/006/007
C111/C333

AUTHOR: Panov, A. M.

TITLE: On a class of iteration systems

PERIODICAL: Vysshiye uchebnyye zavedeniya. Izvestiya. Matematika, no. 3, 1962, 111-115

TEXT: Considered is the system

$$X_{m+1} = A(m)\, X_m + B(m, X_m) \qquad (1)$$

where

$$\|A(m)\| = \sqrt{(A(m), A(m))} = \sqrt{\sum_{i,k=1}^{n} a_{ik}^2(m)} \qquad (2)$$

$$B(m, 0) = 0, \quad \| B(m, X) \| < L \| X \| \quad (L \leq N - \text{const}) \qquad (3)$$

and $\|A(m)\| \leq N$. Let the eigen values $\lambda_i(m)$ of the matrix A(m) satisfy the conditions

$$|\lambda_i(m)| < r < 1, \quad |\lambda_i(m) - \lambda_j(m)| > R \qquad (5)$$

Card 1/4 $(i \neq j;\ r, R - \text{const};\ i, k = 1,2,\ldots, n)$.

S/140/62/000/003/006/007
C111/C333

On a class of iteration systems

In addition to (1) the shortened system

$$X_{m+1} = A(m)\, X_m \qquad (4)$$

is considered. The matrices A(m) can be written as n^2-dimensional vectors in a space with the metric (2). Let S_o be the hyper-plane with the basis vectors E, $A_o, \ldots, A_o^{n-1}$, where $A_o = A(m_o)$. Then $A(m) = A_S(m) + A_H(m)$ holds uniquely, where $A_s(m)$ is the orthogonal projection of A(m) on S_o and $A_H(m)$ is the projecting vector. Let $K = \frac{R}{\|A\|}\left(1 + \frac{\|A\|}{R}\right)^n$. Under these assumptions it is proven:

Theorem 1: If $A_H(m) = 0$ for every m_o and m from the interval

$$m_o \leq m \leq m_o + n_1\,, \quad n_1 = \frac{2 \ln K}{\ln \frac{r+1}{2r}} \qquad (12)$$

Card 2/4

On a class of iteration systems

then the solutions of (4) satisfy for every $m \geq m_0$ the inequality

$$\| X_{m+m_0} \| < \| X_{m_0} \| \left(\frac{r+1}{2} \right)^m, \qquad (13)$$

and the solutions of (1) are asymptotically stable for sufficiently small L. In theorem 2 $m_0 \geq 0$; n_1 is replaced by

$n_2 = \dfrac{2 \ln K}{\ln \frac{3(r+3)}{4(r+2)}}$; instead of $A_H(m) = 0$ it is required that

$$\| A_H(m) \| < \min \left\{ \frac{1-r}{6K^2}, \delta \right\} \qquad (16)$$

where $\delta = \left(\dfrac{Rq}{\|A\|} \right)^{n-1} \dfrac{Rq}{2n}$, $0 < q < \min \left\{ \dfrac{1}{n+3}, \dfrac{1-r}{R} \right\}$.

Then the solution of (4) satisfies the inequality

$$\| X_m \| < \| X_{m_0} \| \left(\frac{r+3}{4} \right)^{m-m_0}$$

Card 3/4

On a class of iteration systems

S/140/62/000/003/006/007
C111/C333

for $m > m_0$, and the solutions of (1) are asymptotically stable for sufficiently small L.

ASSOCIATION: Sverdlovskiy gosudarstvennyy pedagogicheskiy institut (Sverdlovsk State Pedagogical Institute)

SUBMITTED: June 2, 1959

Card 4/4

16,6500

S/044/62/000/006/101/127
B166/B112

AUTHOR: Panov, A. M.

TITLE: Evaluation of a region of permissible perturbations for iterative systems

PERIODICAL: Referativnyy zhurnal. Matematika, no. 6, 1962, 48, abstract 6V235 (Tr. Ural'skogo politekhn. in-ta, sb. 113, 1961, 79-86)

JP

TEXT: An n-th order system described by a linear difference equation of the type

$$\vec{x}(m+1) = A\vec{x}(m), \qquad (1)$$

where A is a constant square n·n matrix and $\vec{x}(m)$ is a column vector, is examined. A linear transform

$$\vec{y}(m) = B\vec{x}(m), \qquad (2)$$

where $\vec{y}(m)$ is a column vector, B is a constant row vector, and $B = (b_1, \ldots, b_n)$, is introduced. The problem posed is to evaluate a region G of permissible initial perturbations of the system, with which the linear form (2) satisfies the inequalities

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S/044/62/000/006/101/127
B166/B112

Evaluation of a region of ...

$r_1 \leq y_m \leq r_2$ ($-\infty < r_1 \leq 0 \leq r_2 < +\infty$). A number of theorems permitting a qualitative evaluation of the permissible region G are proved. The case of a second-order system is examined in detail. [Abstracter's note: Complete translation.]

√B

Card 2/2

PANOV, A.M. (g. Sverdlovsk)

Qualitative behavior of the trajectories of a system of difference equations in the vicinity of a singular point. Izv. vys. ucheb. zav.; mat. no.3:111-115 '64.

(MIRA 17:12)

PANOV, A.M.

On a certain class of iterative systems. Izv. vys.ucheb. zav.; mat. no.3:111-115 '62. (MIRA 15:9)

1. Sverdlovskiy gosudarstvennyy pedagogicheskiy institut.
(Difference equations)

35836
S/044/62/000/002/024/092
C111/C333

16.3400
16,6810

AUTHOR: Panov, A. M.

TITLE: On the connection between the singular points of differential and difference equations

PERIODICAL: Referativnyy zhurnal, Matematika, no. 2, 1962, 48, abstract 2B214. ("Tr. Ural'skogo elektromekhan. in-ta inzh. zh.-d. transp.", 1959, vyp 2, 70-73)

TEXT: Besides the system of differential equations

$$\dot{x} = X(t,x) \qquad (1)$$

the system of difference equations

$$x_{m+1} = x_m + hX(m_o + mh, x_m), \qquad (2)$$

is considered which changes over into (1) for $h \to 0$. It is shown that the fundamental types of the singular points (generalized nodes, generalized saddles) keep their character under the transition from (1) to (2), if (1) is a linear system with constant coefficients. If (1) is non-linear and has a singularity of the type mentioned above in the origin of coordinates, then the character of this singularity

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S/044/62/000/002/024/092
C111/C333

On the connection between the . . .
is also preserved under the transition from (1) to (2).
[Abstracter's note: Complete translation.]

Card 2/2

16.8000

S/194/62/000/001/020/066
D201/D305

AUTHOR: Panov, A. M.

TITLE: The relationship between the singular points of differential and finite-difference equations

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika, no. 1, 1962, abstract 1-2-90 ye (Tr. Ural'skogo elektromekhan. in-ta inzh. kh.-d. transp., 1959, no. 2, 70-73)

TEXT: In the theory of automatic control there are systems of finite-difference equations which, with sampling steps decreasing to zero, reduce to the respective differential equations. The relationship between the qualitative pictures of solution distributions and the corresponding difference equations is described. The description takes into account the determination of the generalized nodal and saddle points for a system of differential and difference equations. Three theorems and their proofs are given. The theorems are related to the linear systems with constant coefficients and to

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S/194/62/000/001/020/066
D201/D305

The relationship between ...

a system of differential equations depending on the locations of the singular point of the type of generalized saddle point. 11 references. [Abstracter's note: Complete translation.]

Card 2/2

KEPERSHA, L.M.; GAYDUKOV, I.M.; BOVIN, Ye.I.; DENISOVA, V.P.; PANOV, A.M.; SHVETS, G.I.

Rubber coating of metal-cord cloth in a cord calender unit. Kauch. i rez. 24 no.8:29-33 '65. (MIRA 18:10)

1. Nauchno-issledovatel'skiy institut shinnoy promyshlennosti i Omskiy shinnyy zavod.

PANOV, A. N.

Dissertation defended at the Institute of Physiology imeni I. P. Pavlov for the academic degree of Candidate of Biological Sciences:

"Several Aspects of Phosphorus Metabolism in the Reversible Parabiotic Blockage of the Sciatic Nerve of the Frog"

Vestnik Akad Nauk, No, 4, 1963, pp. 119-145

YEMEL'YANOV, N.A.; PANOV, A.N.

Effect of corticosteroid hormones on the functional state of the central nervous system; a review of the literature. Probl. endok. i gorm. 11 no.6:108-114 N-D '65. (MIRA 18:12)

1. Laboratoriya endokrinologii (zav. - doktor biolog. nauk M.I. Mityushov) Instituta fiziologii imeni Pavlova (dir. - akademik V.N. Chernigovskiy) AN SSSR, Leningrad.

HUNGARY

PANOV, A., N., FONYO, A.; Pavlov Institute of Physiology [original language version not given], Leningrad, USSR, and Medical University of Budapest, Laboratory of Experimental Research of the Outer Surgical Clinics (Orvostudomanyi Egyetem, Kulso Muteti Klinikak Kiserleti Kutato Laboratoriuma), Budapest.

"Effect of Corticosteroid Hormones on Rat-Brain Mitochondrial NADH-Oxidase."

Budapest, Acta Physiologica Academiae Scientiarum Hungaricae, Vol XXX, No 1, 1966, pages 7-13.

Abstract: [English article, authors' English summary modified] The effect of three corticosteroid hormones (hydrocortisone, cortisone and desoxicorticosterone) was studied on the NADH-oxidase of rat brain and rat heart mitochondria. The mitochondrial NADH-oxidase was inhibited by all three hormones but there was a quantitative difference in their action. No difference was found between brain and heart mitochondria in their sensitivity to steroids. 2 Eastern European, 13 Western references. [Manuscript received 24 Aug 65.]

PANOV, A.N.

Certain aspects of phosphorus metabolism during the parabiotic state of a nerve. Vest.LGU 14 no.21:122-127 '59. (MIRA 12:10)

(PHOSPHORUS METABOLISM) (NERVES) (PARABIOSIS)

PANOV, A.N.

Study of the rate of restoration of some phosphorus-containing compounds in parabiosis of a nerve. Nerv. sist. no. 2:15-21 60. (MIRA 14:4)

(SCIATIC NERVE) (PHOSPHORUS IN THE BODY)

L 11369-67 EWT(1) SCTB DD/GD

ACC NR: AT6036492 SOURCE CODE: UR/0000/66/000/000/0056/0057

AUTHOR: Barutkina, T. S.; Zarubaylo, T. T.; Mityushov, M. I.; Nozdrachev, A. D.; Panov, A. N.; Fedorova, L. D.; Shalyapina, V. G.

34

ORG: none

TITLE: Adrenal cortex and nervous system stress reactions [Paper presented at conference on problems of space medicine held in Moscow from 24-27 May 1966]

SOURCE: Koferentsiya po problemam kosmicheskoy meditsiny, 1966. Problemy kosmicheskoy meditsiny. (Problems of space medicine); materialy konferentsii, Moscow, 1966, 56-57

TOPIC TAGS: animal physiology, adrenal gland, nervous system, space physiology, biologic metabolism

ABSTRACT:

For a number of years the authors' laboratory has investigated the reaction of the nervous system to various stressors (pain, electric shock, noise, cold etc.) as a function of the adrenal cortex. In chronic dog experiments using implanted electrodes, it was established that there is a decrease in afferent and efferent impulsation, which takes place within a day under the influence of stressors.

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L 11369-67

ACC NR: AT6036492

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An injection of hydrocortisone prevents bioelectrical depression while desoxycorticosteronacetate either has no effect or a converse one by way of actually depressing bioelectric activity.

The reaction of brain catecholamines to stressors may depend on the level of peripheral blood corticosteroids. For instance, injection of large doses of hydrocortisone precludes a decrease in brain catecholamine level in response to cold. Chronic injection of "physiological doses" of hydrocortisone prevents a decrease in brain norepinephrin during the chronic application of stressors. Stress leads to a significantly greater depletion of brain catecholamine reserves in adrenalectomized animals than in intact animals.

The metabolism of the brain was studied in a resting state and during stress. The concentration of ATP, ADP, AMP, GTP, GDP, lactic, citric, pyruvic and ketoglutaric acids were determined after injection of hydrocortisone in animals in a resting state and during electrocutaneous stimulation. It was found that under these experimental conditions, which entailed prolonged (one day) irritation, metabolic indices were unchanged. Brief (45 sec) irrita-

Card 2/3

L 11369-67

ACC NR: AT6036492

tion caused an intensification of glycolysis. Injection of hydrocortisone lowered the content of ATP while the concentration of ADP, AMP, and citric acid was increased. [W. A. No. 22; ATD Report 66-116]

SUB CODE: 06 / SUBM DATE: 00May66

Card 3/3

L 11370-67 EWT(1) SCTB DD/GD

ACC NR: AT6036493 SOURCE CODE: UR/0000/66/000/000/0058/0058

AUTHOR: Barutkina, T. S.; Zarubaylo, T. T.; Mityushov, M. I.; Panov, A. N.; Rakitskaya, V. V.; Sokolova, Ye. V. 25

ORG: none

TITLE: Characteristics of the activity of the adrenal cortex, the thyroid, and higher nervous activity under conditions of prolonged exposure to noise [Paper presented at the Conference on Problems of Space Medicine held in Moscow from 24 to 27 May 1966]

SOURCE: Konferentsiya po problemam kosmicheskoy meditsiny, 1966. Problemy kosmicheskoy meditsiny. (Problems of space medicine); materialy konferentsii, Moscow, 1966, 58

TOPIC TAGS: acoustic biologic effect, biologic secretion, endocrinology, thyroid gland, blood chemistry

ABSTRACT: The adaptive reaction of the human organism to spaceflight stimuli includes change in the function of the pituitary-adrenal system, change in the thyroid gland, and in other endocrine glands. Study of spaceflight stress factors will enable explanation of the nature of the neuroendocrine changes which determine the organism's adaptation to unfavorable conditions. Experiments were conducted to determine the effect of constant noise (one of the above-mentioned stress factors) on the animal organism. White rats

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ACC NR: AT6036493

were exposed to noise with a frequency of 650 cps and intensity of 70 db for periods ranging from 1 hr to 14 days. The sound was turned on 17 sec in every 30 sec.

The functional activity of the adrenal cortex, determined by the decrease in ascorbic acid and cholesterol concentrations, increased depending on the time of the noise effect, reaching a maximum after 6--12 hr. After eight days of noise the condition of the adrenal cortex in experimental animals was the same as its initial condition. Introduction of ACTH provoked a normal adrenal reaction, indicating adaptation of the organism to the effect of the stimulus.

The functional condition of the thyroid gland was estimated using the protein-bound iodine blood test (PBI) and histological study. Increase in thyroid activity was observed only after one day of noise. Deviations from the norm were not observed in the remaining periods.

Higher nervous activity was studied using the motor electric defense method [Fedorov and Glebovskiy -- 1954]. Under the influence of noise (lasting seven days) the latent period of the reaction increased and a tendency to lengthening of the time of the animal's gait was observed. On the first day after cessation of noise, the number of errors increased for some of the animals, which can be considered adaptation to the noise effect. [W.A. No. 22; ATD Report 66-116]

SUB CODE: 06 / SUBM DATE: 00May66

Card 2/2

PANOV, Anatolii A.

[One hundred years; collected sketches, reminiscences, and documents from the history of the Dzerzhinsk Mine]Sto let; sbornik ocherkov, vospominanii i dokumentov iz istorii shakhty imeni Dzerzhinskogo. Stalino, Knizhnoe izd-vo, 1960. 269 p. (MIRA 15:9)

(Donetsk Province--Coal mines and mining)

PANOV, A. P.
P. S. TARNAKOVSKII, Zavod Lab 4, 330-5, 1935

PANOV, A.P., inzh.

Efficient metal manufacture and the selection of ingots and slabs for plate mills. Stal' 22 no.2:152-153 F '62. (MIRA 15:2)

1. Magnitogorskiy metallurgicheskiy kombinat.
(Steel ingots) (Rolling mills)

/EWT(m)/EWT(m)/EWP(i)/

ACCESSION NR: AR5012066

SOURCE: Ref. zh. Tekhnologiya mashinostroyeniya. Svodnyy tom, Abs. 4B26

AUTHOR: Panov, A. P.

TITLE: Ultrasonic dimensional working of large surfaces

CITED SOURCE: Sb. Primeneniye ul'trazvuka v mashinostr. Minsk, Nauka i tekhnika, 1964, 82-88

TOPIC TAGS: metalworking, ultrasonic wave/ UPS 1 ultrasound machine, 4772 ultrasound machine, TsM 332 ceramic material, S 8 ceramic material

TRANSLATION: An investigation of the ultrasonic polishing (cutting of various ... machines UPS-1 and 4772. The investigated ... material ... results are reported.

Illustrations 2. L. Tsukerman

SUB CODE: IE, MM ENCL: 00

Card 1/1

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0012390

ULITIN, M.N., kand.tekhn.nauk; PANOV, A.P.

Ultrasonic machining in surface grinding. Trakt. i sel'khozmash. no.11:43-45 N '64. (MIRA 18:1)

1. Nauchno-issledovatel'skiy institut tekhnologii traktornogo i sel'skokhozyaystvennogo mashinostroyeniya.

ACCESSION NR: AP5007381

AUTHOR: Panov, A. P.; Bobrov, P. T.; Samuel'yan, R. G.; Vekker, M. S.; Kuznetsov, [illegible] Ye.; Grafov, V. F.

47
B

TITLE: A device for automatically sorting out ferrite beads which have a rectangular hysteresis loop. Class 21, No. 168345

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 4, 1965, 39

TOPIC TAGS: ferrite core memory, hysteresis loop, ferrite bead, [illegible] equipment

ABSTRACT: This Author's Certificate introduces a device for automatically sorting out ferrite beads which have a rectangular hysteresis loop. The beads are fed from [illegible]

[illegible] network and a reading [illegible]

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L 32962-65

ACCESSION NR: AF5007382

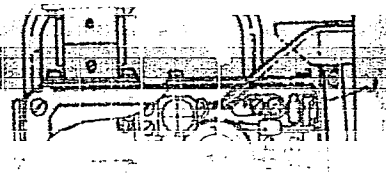
and to increase the capacity of the device: an argadur-silver contact pair is used [illegible] between the measurement pins and the current collector contacts; [illegible] erates the control pulses [illegible] measurement pins are corrected to the current collector contacts.

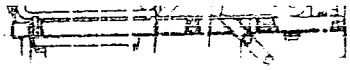
ASSOCIATION: none

[illegible] 21Aug63 ENCL: 01 SUB CODE: DP, EC

Card 2/3

ACCESSION NR: AP5007382





Card 3/3

RUDNEVA, A.V.; PANOV, A.S.

Effect of calcium sulfide on the phase composition of slags of the system CaO - MgO - SiO_2. Izv.AN SSSR Otd.khim.nauk no.4: 553-557 Ap '62. (MIRA 15:4)

1. Institut metallurgii AN SSSR.
(Slag) (Calcium sulfide) (Systems (Chemistry))

PERCHATKIN, P.N.; PANOV, A.S.; BEZDENEZHNYKH, A.A.; BIGEYEV, A.M.; LETIMIN, V.N.; D'YAKONOV, A.I.

Sulfur distribution between metal and slag during conversion smelting of low-manganese pig iron. Izv. vys. ucheb. zav.; chern. met. no.1:33-40 '60. (MIRA 13:1)

1.Magnitogorskiy gorno-metallurgicheskiy institut.
(Open-hearth process) (Desulfuration)

PANOV, A-S.

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PHASE I BOOK EXPLOITATION SOV/5411

Konferentsiya po fiziko-khimicheskim osnovam proizvodstva stali. 5th, Moscow, 1959.

Fiziko-khimicheskiye osnovy proizvodstva stali; trudy konferentsii (Physicochemical Bases of Steel Making; Transactions of the Fifth Conference on the Physicochemical Bases of Steelmaking) Moscow, Metallurgizdat, 1961. 512 p. Errata slip inserted. 3,700 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Institut metallurgii imeni A. A. Baykova.

Responsible Ed.: A. M. Samarin, Corresponding Member, Academy of Sciences USSR; Ed. of Publishing House: Ya. D. Rozentsveyg. Tech. Ed.: V. V. Mikhaylova.

Card 1/16

Physicochemical Bases of (Cont.) SOV/5411

PURPOSE: This collection of articles is intended for engineers and technicians of metallurgical and machine-building plants, senior students of schools of higher education, staff members of design bureaus and planning institutes, and scientific research workers.

COVERAGE: The collection contains reports presented at the fifth annual convention devoted to the review of the physicochemical bases of the steelmaking process. These reports deal with problems of the mechanism and kinetics of reactions taking place in the molten metal in steelmaking furnaces. The following are also discussed: problems involved in the production of alloyed steel, the structure of the ingot, the mechanism of solidification, and the converter steelmaking process. The articles contain conclusions drawn from the results of experimental studies, and are accompanied by references of which most are Soviet.

Card 2/16

PANOV, A.S.; KULIKOV, I.S.; TSYLEV, L.M.

Effect of calcium sulfide on the surface tension and density of CaO - MgO - SiO_2 melts. Zhur.fiz.khim. 37 no.1:169-173 Ja '63. (MIRA 17:3)

1. Institut metallurgii imeni Baykova.

PANOV, A.S.

PERCHATKIN, P. N. and PANOV, A. S.

Sopostavleniye desul'furiruyushchey sposobnosti okislov v period plavleniya pri peredele malomargantsevistykh chugunov.

report submitted for the 5th Physical Chemical Conference on Steel Production, Moscow, 30 Jun 1959.

PANOV, As., tekh.

A scientific and technical conference on the production of pneumatic automobile tires. Tekh delo 502 3 7D '63.

PANOV, A.S.; KULIKOV, I.S.; TSYLEV, L.M.

Surface tension and density of CaF - SiO_2 - CaS melts.
Zhur. fiz. khim. 36 no.6:1353-1354 Je'62 (MIRA 17:8)

PANOV, A.S.; RUDNEVA, A.V.

Solubility of calcium sulfide in slags of the system CaO - SiO_2.
Izv. vys. ucheb. zav.; chern. met. 4 no.11:30-37 '61.
(MIRA 14:12)

1. Institut metallurgii AN SSSR.
(Slag)
(Calcium sulfide)

PANOV, A.S.(Moskva); DANYUSHCHENKOV, I.A.(Moskva); KULIKOV, I.S.(Moskva); TSYLEV, L.M.(Moskva)

Effect of magnesium and barium oxides on the viscosity of silicate melts. Izv. AN SSSR.Otd.tekh.nauk. Met. i topl. no.5:37-42 S-O '62. (MIRA 15:10)

(Alkaline earth compounds) (Viscosity)

PANOV, A.S. (Moskva); KULIKOV, I.S. (Moskva); TSYLEV, L.M. (Moskva)

Solubility of calcium sulfide in calcium oxide - magnesium oxide - silica melts. Izv. AN SSSR. Otd. tekh. nauk. Met. i topl. no.1:42-45 Ja-F '62. (MIRA 15:2)
(Metals--Sulfur content)
(Calcium sulfide)
(Solubility)

PANOV, A.S. (Moskva); KULIKOV, I.S. (Moskva); TSYLEV, L.M. (Moskva)

Effect of calcium sulfide on the viscosity of alkaline earth metal aluminosilicate melts. Izv. AN SSSR. Otd. tekh. nauk. Met. i topl. no.3:27-32 My-Je '62. (MIRA 15:6)
(Aluminosilicates) (Viscosimetry)

PANOV, A.S. (Moskva); KULIKOV, I.S. (Moskva); TSYLEV, L.M. (Moskva)

Viscosity of molten calcium oxide - silica - calcium sulfide
Izv. AN. SSSR. Otd. tekh. nauk. Met. i topl. no.3:25-30
My-Je '61. (MIRA 14:7)
(Viscosimetry) (Slag--Testing)

KARAMANCHEV, St., inzh.; PANOV, As.

Results and lessons from the competition of the all-Sofia rationalizers. Ratsionalizatsiia 13 no.4:7-12 '63.

PANOV, Asen

A device for lightening the work of driving stakes by hand drilling. Ratsionalizatsiia 13 no.9:21 '63.

PANOV, Asen

Apparatus for regulating automobile and motorcycle headlights.
Ratsionalizatsiia 3 no.3:22 '63.

PANOV, Asen

The Experimental Rationalization Base of the People's Council of the City of Sofia, center of creative research.
Ratsionalizatsiia 13 no.2:14-17 '63.

PANOV, Asen

Popularization of rationalization in the enterprise of Sofia. Ratsionalizatsiia no.11:9-11 '62.

PANOV, A. V. [redacted] 1964

Measuring Instruments 1963

Metallurgy

AKOPYAN, A. A.; ALEKSANDROV, G. N.; YEMELYANOV, N. P.; LEVITOV, V. I.; MIROLYUBOV, A. V. NAYASHKOV, I. S.; PANOV, A. V.; POPKOV, V. I.; ROKOTYAN, S. S.; SOKOLOV, N. N.; TIKHODEYEV, N. N.

"The 750 kV Experimental Commercial Transmission Line Konakovo-Moscow."

report submitted for Intl Conf on Large Electric Systems, 20th Biennial Session, Paris, 1-10 Jun 64.

AKOPYAN, A. A.; ALEKSANDROV, YEMELYANOV, N. P.; LEVITOV; MIROLYUBOV, NAYASHKOV, I. S.; PANOV, A. V.; POPKOV, V. I.; ROKOTYAN, S. S.; SOKOLOV, N. N.; TIKHODEYEV, N. N.

"The 750 kV Experimental Commercial Transmission Line Konakovo-Moscow."

report submitted for 20th Biennial Sess, Intl Conf on Large Electric Systems, Paris, 1-10 Jun 64.

BIRYUKOV, V.G.; BUTKEVICH, G.V.; KOZHUKHOV, V.K.; PANOV, A.V.; SIROTINSKIY, L.I.

Artavazd Armenakovich, 1904 - ; on his 60th birthday. Elektrichestvo no.4:93 Ap '64. (MIRA 17:4)

PANOV A.V.

ALMAZOV, A.V.; BORISOGLEBSKIY, P.V.; GORODETSKIY, S.S.; DMOKHOVSKAYA, L.V.; PANOV, A.V.; SIROTINSKIY, L.I., professor, redaktor

[High tension technology] Tekhnika vysokikh napriazhenii. Pod obshchei red. L.I.Sirotinskogo. Moskva, Gos. energeticheskoe izd-vo. Pt. 2. 1953. 240 p. (MLRA 7:7)
(Electric insulators and insulation)

ALEKSENKO, G.V.; SYROMYATNIKOV, I.A.; NEKRASOV, A.M.; KRIKUNCHIK, A.B.; RABINOVICH, S.I.; CHUSOV, P.P.; CHERTIN, A.M.; BULGAKOV, N.I.; BRITCHUK, V.V.; MAN'KIN, E.A.; PANOV, A.V.; SAPOZHNIKOV, A.V.; SAGALOV, M.I.; VOYEVODIN, I.D.; ANTONOV, I.A.; KALINICHENKO, I.S.; KRAYZ, A.G.

L.M. Shnitser; on his 75th birthday. Elektrichestvo no.11:87-88 N '63. (MIRA 16:11)

AKOPYAN, A.A., kand.tekhn.nauk; PANOV, A.V., kand.tekhn.nauk; SHMATOVICH, V.V., kand.tekhn.nauk; YAROSHENKO, A.I., inzh.

Overvoltage levels and insulation requirements in 700 kv. a.c. power transmission lines. Vest.elektroprom. 33 no.2:4-11 F '62. (MIRA 15:2)

(Electric power distribution--Alternating current)

ACC NR: AP6013618 SOURCE CODE: UR/0105/65/000/011/0086/0087

AUTHOR: Biryukov, V. G.; Britchuk, V. V.; Kozhukhov, V. K.; Krayz, A. G.; Nayashkov, I. S.; Nazarevskiy, N. I.; Panov, A. V.; Petrov, G. N.; Rabinovich, S. I.; Sapozhnikov, A. V.

36, 35, 13

ORG: none

TITLE: E. A. Man'kin, on his 60th birthday

SOURCE: Elektrichestvo, no. 11, 1965, 86-87

TOPIC TAGS: electric engineering personnel, synchrotron

ABSTRACT: Emmanuil Abramovich MAN'KIN, who after 35 years of scientific-engineering work ranks as one of the senior workers in the transformer-building field, was 60 years old on 28 May 1965. After graduating in 1927 from the electrical machine building institute in Moscow he became an engineer of the Moscow transformer factory (presently Moskovskiy elektrozavod; Moscow Electric Factory). He constructed and headed until 1934 the transformer testing station. During the 1935-1942 period he was head of the bureau for the design of special transformers, and during these years carried out numerous theoretical investigations concerning electromagnetic transformer calculations. His methods for the calculation of transformer leakage earned

UDC: 621.314.21

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ACC NR: AP6013618

him the degree of candidate of engineering sciences. Between 1942 and 1947 he was deputy head of the engineering department of the factory, and since 1947, while heading the Bureau of Electromagnetic Design of the Spetsial'nyy konstruktorskiy byuro (Special Construction Bureau) he has been one of the main designers of the world's first 280 MeV synchrotron. From 1955 to 1958 E. A. MAN'KIN headed the group of designers working on the 400 kV transformer equipment of the Volgograd-Donbass power line. Since 1960 he has been head of the transformer laboratory of the Vsesoyuznyy elektrotekhnicheskiy institut (All-Union Electrotechnical Institute) im. Lenin. In the same year he obtained the degree of Doctor of Engineering Sciences for his works "Electromagnetic design of transformers, reactors, and charged particle accelerators." In the course of his engineering and research activity he published more than 30 papers. Orig. art. has: 1 figure. [JPRS]

SUB CODE: 09, 20 / SUBM DATE: none

Card 2/2 BLG

YEVSEYEV, P.P.; PANOV, A.V. [deceased]

Measuring the electroconductivity of molten slags. Zav. lab. 30 no.8:971-972 '64. (MIRA 18:3)

1. Moskovskiy institut stali i splavov.

ASHRYATOV, A.K., inzh.; PANOV, A.V., kand.tekhn.nauk

Concerning V.N. Zvezdkin, G.B. Izraelit, and M.G. Loitsianskii's article "Determination of the maximum permissible degree of moisture in transformer insulation." Elek. sta. 34 no.3:88-90 Mr '63. (MIRA 16:3)

(Electric transformers)

(Zvezdkin, V.N.) (Izraelit, G.B.) (Loitsianskii, M.G.)

BIRYUKOV, V.G.; BRITCHUK, V.V.; KOZHUKHOV, V.K.; KRAYZ, A.G.; NAYASHKOV, I.S.; NAZAREVSKIY, N.I.; PANOV, A.V.; PETROV, G.N.; RABINOVICH, S.I.; SAPOZHNIKOV, A.V.

Emmanuil Abramovich Man'kin, 1905- ; on his 60th birthday. Elektrichestvo no.11:86-87 N '65. (MIRA 18:11)

PANOV, A. YA.

Weaving

My method for tying knots during warp gaiting. Tekst. prom. 12 No. 7 1952.

9. Monthly List of Russian Accessions, Library of Congress, October 1952 1953, Uncl.

YUGOSLAVIA

Dr B. MARAJOVIC, B. TANOV, M. JOKSIMIC, Dr Ing D. DJURIC, Min/erslogist/ M. VUKOTIC and Fiz[ick]/ Hem[icar]/ (Physical Chemist) D. GVOZDANOVIC, Institute of Occupational Medicine (Institut za higijenu rada) Belgrade.

"Protecting Workers from Radiation Sources in Uranium Mines and in Work with Radioactive Materials."

Belgrade, Higijena, Vol 14, No 3-4, 1962; pp 154-168.

Abstract: Presentation and discussion of data accumulated during the 4 years' activity of the Department for Protection from Radiation (Odeljenje za radiolosku zastitu) of the Institute of Occupational Medicine of the Peoples' Republic of Serbia (NR[=Narodna Republika/ Srbija). Methods for monitoring exposure, radioactive levels in water, air, dust under and above-ground (from mines Kalna, Gabrovnica, Gorenja Vas;) hemograms of 94 miners and 142 workers (95 men) in uranium technology; discussion of main problems and dangers, remedies advocated planned or in effect. Five tables, 2 photographs, 5 charts-diagrams; 13 Western and 4 Yugoslav references.

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PANOV, B.; KUDENKO, S.

Useful and timely book "Accidents in drilling" by N.A.Sidorov, G.A.Kovtunov. Reviewed by B.Panov, S.Kudenko. Neft. khoz. 38 no.11:64-65 N '60. (MIRA 14:4)
(Oil well drilling--Safety measures)
(Kovtunov, G.A.) (Sidorov, N.A.)

PANOV, B.D.; KUDENKO, S.A.

Improve the organization of work on sampling and completing of wells. Neft. khoz. 39 no.2:22-25 F '61. (MIRA 17:2)

PANOV, B.D.

Effect of the core diameter on the amount of its recovery. Trudy KF VNII no.5:138-144 '61. (MIRA 14:10)
(Petroleum geology) (Core drilling)

PANOV, B.D.; BAKULIN, V.G.

Effect of some factors on the size and condition of the recovered core. Neft. khoz. 40 no.1:21-26 Ja '62. (MIRA 15:2)
(Core drilling)

PANOV, B.D.

Experimental study of the effect of some technical factors on the state and size of the core. Trudy KF VNII no.5:215-227 '61. (MIRA 14:10)

(Core drilling

ZBARASHCHENKO,V.; PANOV, B.; BURCHENKO, F.

Watch and duty schedule on cargo ships. Mor.flot 23 no.2:16 F '63. (MIRA 16:2)

1. Kapitan parokhoda "Lipetsk" Azovskogo upravleniya Chernomorskogo gosudarstvennogo morskogo parokhodstva (for Zbarashchenko).
2. Sekretar' partiynoy organizatsii parokhoda "Lipetsk" Azovskogo upravleniya Chernomorksogo gosudarstvennogo morskogo parokhodstva (for Panov).

(Merchant seamen—Watch duty)

PANOV, B., kand. voyennykh nauk, polkovnik.

"Combat operations of a rifle company"; collection of combat examples. Voen. vest. 37 no.3:85-88 Mr '58. (MIRA 11:3)
(Infantry drill and tactics--Handbooks, manuals, etc.)

PANOV, E.D.

Conditions for obtaining the largest core from Maikop and Cretaceous sedimentations in the Groznyy oil fields. Trudy GNI no.21:138-143 '59. (MIRA 14:5)

(Groznyy Province--Petroleum geology) (Boring)

PANOV, B. D. Cand Tech Sci -- (diss) "Establishment of means for improving the performance of core bits on the basis of ascertaining the main factors affecting the effectiveness of their operation." Len, 1958. 16 pp (Min of Higher Education USSR. Len Order of Lenin and Labor Red Banner Mining Inst im G. V. Plekhanov), 150 copies (KL, 52-58, 103)

PANOV, B.D.; SILKIN, V.F.

Selection of the optimum concentration of surface-active agents when using them in tapping and completing oil layers. Trudy KF VNII no.9:64-67 '62. (MIRA 15:9)
(Oil well drilling fluids)
(Surface-active agents)

PANOV, B.D.

Means for increasing the rate and improving the quality of well testing. Geol. nefti i gaza 5 no. 3:52-55 Mr '61. (MIRA 14:4)

1. Krasnodarskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta nefti.

(Oil wells--Testing)

PANOV, B.D.; KASPERSKIY, B.V.; MKRTCHAN, O.M.

Using hydrocarbon-base flushing fluids in a well 3675 m. deep. Burenie no.9:13-16 '65. (MIRA 18:10)

1. Krasnodarskiy fialial Vsesoyuznogo neftegazovogo nauchno-issledovatel'skogo instituta i kontora bureniya Neftepromyslovogo upravleniya "Chernomorneft'".

PANOV, B.G., kand.sel'skokhozyaystvennykh nauk

Snow cover and winter rye yields in Moscow Province. Izv. TSKhA no.4:139-142 '59. (MIRA 12:11)
(Moscow Province--Rye) (Snow)

PANOV, B. G.

"Snow Covers and the Yield of Winter Rye in the Central Rayons of the European Part of the USSR." Cand Agr Sci, Moscow Order of Lenin Acad of Agriculture imeni K. A. Timiryazev, Moscow, 1954 (KL, No 2, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (13)
SO: Sum, No. 598, 29 Jul 55

PANOV, B.N., inzh.

Automatic device for overlaying welding of alloys by means of a hollow wire. Energetik 6 no.10:16-17 O '58. (MIRA 11:10)
(Electric welding)

VOL'PERT, G.D.; BERG, T.V. retsenzent; RYABTSEV, V.A., redaktor; PANOV, B.N., retsenzent.

[Hard-surfacing of equipment parts in the building materials industry with wear-resistant alloys] Naplavka iznosoustoichivymi splavami detalei oborudovaniia promyshlennosti stroitel'nykh materialov. Moskva, Gos. izd-vo lit-ry po stroitel'nym materialam, 1953. 286 p. (MLRA 7:8)
(Hard facing)

AUTHOR: Panov, B.N., Engineer SOV-91-58-10-15/35

TITLE: An Automatic Device for the Welding-On of Alloys by means of Tubular Rods (Avtomat dlya naplavki legirovannykh splavov trubchatoy provolokoy)

PERIODICAL: Energetik, 1958, Nr 10, pp 16 - 17 (USSR)

ABSTRACT: State Trust for the Organization and Efficiency of Electric Power Plants (ORGRES) of the Ministry of Electric Power-stations (MES) of the USSR has turned out a series of automatic devices for the high-production electric-arc welding-on of alloys. A tube, wound from soft steel strip, into which a powder-like filling of ground ferroalloys, graphite, iron filings and other components is introduced, serves as an electrode rod. After having described the device in detail, the author concludes by stating that the installation also includes a control-panel and a power-unit (a standard welding transformer type-TSD-500 or TSD-1000). There is one photo and one table.

1. Alloys--Welding

Card 1/1

PANOV, B.N.

BENUA, F.F., kandidat tekhnicheskikh nauk; VOL'PERT, G.D., inzhener,; YEMEL'YANOV, N.P., kandidat tekhnicheskikh nauk; KLEKOVKIN, G.P. inzhener; KUZMAK, Ye.M., doktor tekhnicheskikh nauk, professor; MILOVSKIY, I.A., laureat Stalinskoy premii;PANOV, B.N., inzhener; POKHODNYA, I.K., inzhener; FRUMIN, I.I., kandidat tekhnicheskikh nauk; FRUMIN, S.R., inzhener; ZVEGINTSEVA, K.V., inzhener, redaktor; GOLOVIN, S.Ya., inzhener, redaktor; MATVEYEVA, L.S., redaktor; SOKOLOVA, T.F., tekhnicheskiy redaktor.

[Automatic built-up welding with wear-resistant alloys] Avtomaticheskaia naplavka iznosoustoichivymi splavami. Moskva, Gos. nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1955. 244 p.(MLRA 8:11)
(Electric welding)

L 47451-66 EWP(e)/EWT(m)/EWP(t)/ETI/EWP(k) IJP(c) JD/WW/JG/AT/WH/JH

ACC NR: AP6014440 SOURCE CODE: UR/0125/65/000/012/0063/0065

AUTHORS: Shekhter, S. Ya.; Reznitskiy, A. M.; Panov, B. N.

ORG: [Shekhter, Reznitskiy] Kommunarsk Metallurgical Plant (Kommunarskiy metallurgicheskiy zavod); [Panov] ORGRES

TITLE: Strengthening parts of metallurgical equipment by plasma deposition

SOURCE: Avtomaticheskaya svarka, no. 12, 1965, 63-65

TOPIC TAGS: plasma arc, metal deposition, welding equipment, aluminum oxide, titanium dioxide, zirconium compound, tungsten carbide, chromium carbide, blast furnace, rolling mill/ PS-500 welding equipment

ABSTRACT: A preliminary list of parts of metallurgical equipment to which protective coatings are applied with a plasma arc is given as the blast and slag tuyeres of blast furnaces, the baffle plates of blast tuyeres, the pipes of heating furnaces of rolling mills, the working wheels of exhaust fans, the cases of thermocouples, and others. The properties of powdered materials that have been selected for coatings are discussed. The materials include aluminum oxide, titanium dioxide, zirconium oxide, tungsten carbide, and chromium carbide. When argon-nitrogen mixtures and pure nitrogen are used, the arc voltage must be not less than 80 V at 300 A. The voltage is supplied by two series-connected PS-500 welding transformers. Proper selection of the coating material insures high mechanical strength of the bond of the coating with the part and increased density of the protective layer.

SUB CODE: 11, 13/ SUBM DATE: 07May65/ ORIG REF: 004/ OTH REF: 002

PANOV, Boris Pavlovich; BUSORGINA, N.I., red.; VODOLAGINA, S.D., tekhn.red.

[Winter regime of rivers in the U.S.S.R.] Zimnii rezhim rek SSSR. Leningrad, Izd-vo Leningr.univ., 1960. 238 p. (MIRA 13:4)
(Ice on rivers, lakes, etc.) (Rivers)

PANOV, B.P.

3(5,7)

Vsesoyuznyy gidrologicheskiy s"yezd, 3rd, Leningrad, 1957.

Trudy ... t. III: Sovetskie gidrologi (Proceedings of the 3rd All-Union Hydrological Convention, V. 3: Hydrologists (Soviet)) Leningrad, Gidrometeoizdat, 1959. 470 p. Errata slip inserted. 2,000 copies printed.

Sponsoring agency: Glavnoye upravleniye gidrometeorologicheskoy sluzhby pri Sovete Ministrov SSSR.

Resp. Ed.: V.A. Uryvayev; Ed.: V.S. Protopopov; Tech. Ed.: M.I. Braynina.

PURPOSE: This work is intended for meteorologists, hydrologists, and hydrophysicists, particularly those engaged in the study of snow and ice and evaporation processes.

COVERAGE: This book contains papers on hydrophysics which were presented and discussed at the Third All-Union Hydrological Conference in Leningrad, October 1957. The Conference published 10 volumes on various aspects of hydrology of which this is number 3. The editorial board in charge of the series included: V.A. Uryvayev (Chairman), O.A. Alekin, Ye.V. Blinnyak (deceased), O.M. Borsuk, M.A. Velikanov, L.K. Davydov, A.P. Domanitskiy, G.P. Kalinin, B.N. Kritskiy, B.I. Nudelin, L.F. Manoilo, N.F. Monkel', B.P. Orlov, I. V. Popov, A.K. Proskuryakov, D.L. Sokolovskiy, O.A. Spengler, A.I. Chebotarev, and S.K. Cherkavskiy. This volume is divided into 2 sections: the first contains reports from the subsection for the study of evaporation processes, and the second contains reports from the snow and ice subsection. References accompany each article.

PANOV, B. P.

Connection between the maximum runoff of rivers and solar activity and atmospheric circulation. Trudy Len. gidromet. inst. no.11:12-27 '61. (MIRA 16:1)

(Runoff) (Sun) (Atmosphere)

P'NOV, B. D.

"Quantitative Characteristics of the River Network", Trudy GGI, No 4 (50), 1948 (122-149)

SO: U-7039, 11 Mar 1953

PANOV, B.S.

New type of cinnabar crystals in the Nikitovka deposit.
Zap. Vses. min ob-va 92 no.3:351-352 '63. (MIRA 17:9)

1. Donetskiy politekhnicheskiy institut.

PANOV, B.S.

Devonian cuprous sandstone of the Donets Basin. Dop. AN URSR no.11:1514-1516 '64. (MIRA 18:1)

1. Donetskiy politekhnicheskiy institut. Prestavleno akademikom AN UkrSSR N.P. Semenenko [Semenenko, M.P.].