

L 65086-65

ACCESSION NR: AP5021227

ENCLOSURE: 01

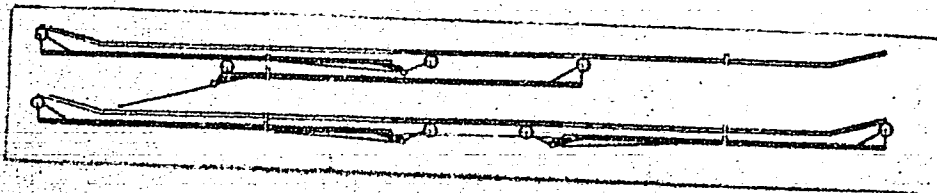


Fig. 1. Schematic of slide of the half-roof

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ACCESSION NR: AP5021227

ENCLOSURE: 02

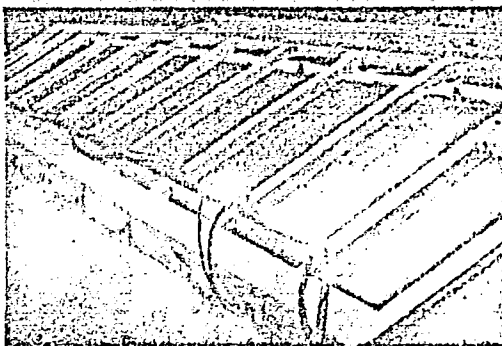


Fig. 2. Welded frame of half-roof

M.P.R.
Card 4/4

AYZENSHTAT, V.S.; METEL'SKIY, A.S.

Computing integrals of the type
BSSR Ser. fiz.-tekh. nav. no. 1:29-36 '61.
(Integrals) /

$$\int_0^{\infty} x^s e^{-x} f(x) dx.$$

Vestsi AN
(MIRA 14:4)

88631

164400

S/17C/61/004/002/009/018
B019/B060AUTHORS: Ayzenshtat, V. S., Metel'skiy, A. S.

TITLE: A Numerical Laplace Transformation

PERIODICAL: Inzhenerno-fizicheskij zhurnal, 1961, Vol. 4, No. 2,
pp. 82-91

TEXT: A study has been made of the integral

$$F(p) = \int_0^{\infty} e^{-px} f(x) dx \quad (1)$$
 which is widely used in integral transformations. By the substitution $px = t$, this integral acquires the form

$$F(p) = p^{-1} \int_0^{\infty} e^{-t} f(t/p) dt.$$
 Furthermore, this integral can be rendered in the form
$$\int_0^{\infty} t^s e^{-t} \Psi(t) dt \quad (s > -1) \quad (2)$$
 by the substitution

$f(t/p) = t^s \Psi(t)$. For the approximation of (2), the relation

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A Numerical Laplace Transformation

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$$\int_0^{\infty} t^s e^{-t} \Psi(t) dt \cong \sum_{k=1}^n A_k \Psi(t_k) \quad (3) \text{ is given, where } A_k = n \cdot \Gamma(n+s+1) / t_k^{n+s+1}$$

$$\left\{ L_n^{(s)}(t_k) \right\}^2 \quad k = 1, 2, 3, \dots, n \quad (4), \text{ and}$$

UX

$L_n^{(s)}(t) = (-1)^n t^{-s} e^t d^n(t^{s+n} e^{-t}) / dt^n$, are Laguerre polynomials of n th degree. This mode of calculating (1) offers good results. The roots of Laguerre polynomials of n th degree $y = L_n^{(s)}(t)$, which is known to satisfy the differential equation $ty'' + (s+1-t)y' + ny = 0$, are determined by way of a nonlinear system, from which it may be seen that the coordinates of the equilibrium points of free electric charges coincide with the roots of $L_n^{(s)}(x)$. A bulky Table gives, for $s = -2/3, -1/2, -1/3, 1/3, 1/2, 2/3, 4/3, 3/2, 5/2$, the values of t_k and A_k for $n = 4 \dots 10$, and $k = 1 \dots 10$. V. I. Krylov is thanked for guidance and advice. There are 1 table and 5 references: 3 Soviet, 1 British, and 1 US.

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A Numerical Laplace Transformation

S/170/61/004/002/009/018
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ASSOCIATION: Institut matematiki i vychislitel'noy tekhniki AN BSSR,
g. Minsk (Institute of Mathematics and Computer Technique
of the AS BSSR, Minsk)

SUBMITTED: May 28, 1960

X

Card 3/3

AYZENSHTAT, V.S.; KRYLOV, V.I.; METEL'SKIY, A.S.; BARABANOVA, Ye.,
red. izd-va; ATLAS, A., tekhn. red.

[Tables of numerical Laplace transformations and for the
calculation of integrals of the forms $\int_0^{\infty} x^s e^{-x} f(x) dx$]

Tablitsy dlia chislennogo preobrazovaniia Laplasi i vychisleniia
integralov vida $\int_0^{\infty} x^s e^{-x} f(x) dx$. Minsk, Izd-vo Akad. nauk BSSR,
1962. 375 p. (MIRA 15:4)
(Laplace transformation) (Integrals)

24.4460

S/250/62/006/004/001.001

1024/1224

AUTHORS: Rubanov, A. S., ~~Metel'skiy, A. S.~~ Gairilova, Ya. N., and Kogan, A. Sh.
TITLE: Calculation of the entropy of probability distributions of the co-ordinates and momenta of an harmonic oscillator

PERIODICAL: Akademiya nauk Belaruskay SSR. Doklady, v. 6, no. 4, 1962, 220-222

TEXT: The purpose of the article is to check the assumption that the co-ordinate and momentum entropies in a harmonic oscillator increase with the number of the stationary state level (Rubanov A. S., Stepanov B.I., DAN SSSR, 140, 1, 1961). The entropy of the probability distribution of the above variables for the ν -level is found from the expression

$$H^\nu - \ln a = - \int_{-\infty}^{+\infty} \frac{e^{-y^2}}{\sqrt{\pi} 2^\nu \nu!} H_\nu^2(y) \ln \frac{e^{-y^2}}{\sqrt{\pi} 2^\nu \nu!} H_\nu^2(y) dy \quad (4)$$

$a = \sqrt{\frac{\hbar}{\mu \omega}}$ for the entropy of the co-ordinate distribution and $a = \sqrt{\mu \omega \hbar}$ for the entropy of the momentum distribution, where μ is the mass and ω the frequency of the oscillator. In calculation, the integral taken twice, with the lower limit of 0 and the upper limit of b was chosen so that the value of the integral remained unchanged with the increase of b .

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Calculation of the entropy

S/250/62/006/004/001/001
1024/1224

The integral was evaluated by the Simpson rule with a step $h=0.001$, on an electronic computer "Minsk-1". The coordinate and the momentum entropies were calculated for the first 12 levels of the oscillator. Rubanov and Stepanov found the upper limits of the coordinate and momentum entropies:

$$H_q^v - H_q^0 = H_p^v - H_p^0 \leq \frac{1}{2} \ln 2(v + \frac{1}{2}). \tag{6}$$

For $v \leq 12$, $H_q^v - H_q^0 = H_p^v - H_p^0$ are less than $\frac{1}{2} \ln 2(v + \frac{1}{2})$ by about 0.5-0.6 of the coordinate and the momentum entropies with the increase of v was confirmed. The difference $[(H^v - H^0) - \frac{1}{2} \ln 2(v + \frac{1}{2})]$ was found to increase with the number v , tending to a certain limit as $v \rightarrow \infty$. The values of $[H^v - H^{v-1}]$ and the corresponding differences of the upper entropy limits are given. These differences decrease as v increases. There are 2 tables.

ASSOCIATION: Institut fiziki AN BSSR (Institute of Physics AS BSSR). Institut matematiki i vychislitel'noy tekhniki AN BSSR (Institute of Mathematics and Computational Science of the AS BSSR)

PRESENTED: by B. I. Stepanov, Member of the Academy of Sciences BSSR

SUBMITTED: December 6, 1961

Card 2/2

AYZENSHTAT, V.S.; KRYLOV, V.I.; METEL'SKIY, A.S.; TKACHEVA, T.,
red.izd-va; SIDERKO, N., tekhn. red.

[Tables of Laguerre polynomials and functions] Tablitsy
mnogochlenov i funktsii Lagerra. Minsk, Izd-vo Akad. nauk
BSSR, 1963. 157 p. (MIRA 16:6)
(Polynomials)

MTEL'SKIY, A.S.

A system of periodic publications. At USSR no. 11, 1964
H 193.

1. Institut Matematiki i mekhaniki imeni Steklova
Sverdlovskaya obl. Akad. Nauk SSSR, Yekaterinburg.

METEL'SKIY, A.S.

Periodic processes. Dokl. AN BSSR 9 no.12:788-790 D '65.
(MIRA 19:1)

1. Institut matematiki AN BSSR.

STIKHIN, M.F.; METEL'SKIY, F.I.

Crepping practices in northeastern districts of the non-Chernozem
zone. Zemledelia 5 no.3:3-10 Nr '57. (MIRA 10:3)

1. Nauchno-issledovatel'skiy institut sel'skogo khozyaystva severp-
vestechnykh rayonov. (Rotation of crops)

MOTEL'SKIY, F.I., kand. sel'skokhozyaystvennykh nauk; ZUBARKVA, N.K.

Maltsev tillage methods in the northeastern non-Chernozem belt.
Zemledelie 6 no.7:18-21 JI '58. (MIRA 11:6)

(Kirov District--Tillage)

METEL'SKIY, F.I., kand. sel'skokhozyaystvennykh nauk

Effect of organic-mineral fertilizers on the yield of farm
crops and properties of soils as related to their methodical
use in a crop rotation. Agrobiologiya no.5:725-731 S-0'63.
(MIRA 17:5)

86674

S/029/60/000/0:2/004/005
B013/B077

15.8105

AUTHOR: Metel'skiy, G. (Vil'nyus)

TITLE: Binding of Refractory Particles

PERIODICAL: Tekhnika molodezhi, 1960, No. 12, pp. 34 - 36

TEXT: In this popular scientific article the author reports on the new high-molecular coagulant medium - polyacrylamide - which was discovered in the laboratoriya Instituta vysokomolekulyarnykh soedineniy Akademii nauk SSSR (Laboratory of the Institute of High Molecular Compounds of the Academy of Sciences USSR). M. N. Savitskaya, Candidate of Chemical Sciences, succeeded in obtaining this new substance which was passed on to the Institut gallyurgii (Institute of Halurgy) for further investigations. It turned out that polyacrylamide has a 20-times stronger effect compared to starch and accelerates precipitation in some cases 100 to 1000 fold. A heavy demand made it necessary to shift the production of polyacrylamide from the test workshop of the institute to the Bryanskiy fosforitnyy zavod (Bryansk Phosphorite Plant) where acrylnitrile is

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Binding of Refractory Particles

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B013/B077

produced from acetylene and prussic acid. By means of hydrolysis at a temperature of 200°C acrylamide is obtained. The latter is polymerized to polyacrylamide by means of hydrogen peroxide. The action of polyacrylamide probably is based on the principle of electric discharge, however, in contrast to numerous other coagulants it causes not only a discharge of negatively but also positively charged particles. Presently, polyacrylamide is also produced in other plants in the USSR, such as in the Donbass (Donets Basin). In the Yasinovskiy zavod (Yasinovka Plant) polyacrylamide is produced for its own demand; it is applied to pipelines in order to stop the wear caused by floating particles. A modern hydraulic mining process which was recently introduced in some coal mines showed a decrease of the loss of coal from 40 g per liter down to 0.3 g per liter. In the Akademiya kommunal'nogo khozyaystva imeni Ye. Panfilova (Academy of Municipal Services imeni Ye. Panfilov) in Moscow and Leningrad polyacrylamide was used successfully to improve the tap water. Most probably it can be applied to purify waste water and therefore might avoid the pollution of waterways. In the laboratoriya polimerov Agrofizicheskogo instituta Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk imeni Lenina (Laboratory of Polymers at

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Binding of Refractory Particles

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the Institute of Agricultural Physics of the All-Union Academy of Agricultural Sciences imeni Lenin) successful tests were made to improve the soil and the cultivation of claysoil. In 1959 data were published which were obtained by an expedition of the Academy of Sciences USSR to the Kurskaya Spit. With the help of polyacrylamide it was possible to stop the plague of this district, the drifting sand, and to transform the sand dunes into grassland. The interest in polyacrylamide and the demand for it increase daily. The Bryansk plant receives not only enthusiastic letters from persons who have tested it but also requests to supply it for most different applications. The following scientists are mentioned: Fedor Yakovlevich Pizar'kov, head of the testing department of the Institute of Halurgy, Lera Viktorovna Lyukova, engineer, head of production of the Bryansk Phosphorite Plant, N. N. Bryantsev, director of that plant, Boris Semenovich Lakhter, engineer, head of the obogatitel'naya fabrika (Dressing Plant), Ivan Andreyevich Romanov, aspirant, coworker in the Laboratory for Polymers of the Institute of Agricultural Physics of the All-Union Academy of Agricultural Sciences imeni Lenin. There are 7 figures.

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METEL'SKIY, G.

Wonder substance. IUn.tekt. 5 no.6:23-24 Je '61. (MIRA 14:9)
(Acrylamide)

KARMAZOV, Mikhail Grigor'yevich; YEFIMOV, Nikolay Semenovich; METEL'SKIY, G.B., dotsent; retsenzent; FAT'KIN, D.F., dotsent, retsenzent; TRAUBENBERG, I.A., prepodavatel', retsenzent; BAZYK, V.K., prepodavatel', retsenzent; FRAYFEL'D, G.Ya., prepodavatel', retsenzent; STOYANOV, M.M., otv.red.; KAZ'MINA, R.A., red.; KARABILOVA, S.F., tekhn.red.

[Organizing and planning a local telephonic system] Organizatsiia i planirovanie mestnoi telefonnoi svyazi. Moskva, Gos.izd-vo lit-ry po voprosam svyazi i radio, 1959. 212 p. (MIRA 12:12)

1. Kafedra Organizatsii i ekspluatatsii elektrosvyazi Moskovskogo elektrotekhnicheskogo instituta svyazi (for Fat'kin, Traubenberg).
2. Kafedra ekonomiki svyazi Odesskogo elektrotekhnicheskogo instituta svyazi (for Basyk, Frayfel'd).

(Telephone)

MARKHAY, Ye.V.; ROGINSKIY, V.M.; KHARKEVICH, A.D.. Prinimal uchastiye
ZBAR, N.R., inch.. METEL'SKIY, G.B., otv.red.; RYAZANTSEVA,
M.M., red.; SHEFER, G.I., tekhn.red.

[Automatic telephony] Avtomaticheskaya telefoniya. Moskva,
Gos.izd-vo lit-ry po voprosam svyazi i radio, 1960. 535 p.
(MIRA 13:7)

(Telephone, Automatic)

MSTEL'SKIY, Georgiy Borisovich. Prinimal uchastiye MAKHOTIN, K.K.; RYAZAN-TSEVA, M.M., red.; MARKOCH, K.G., tekhn. red.

[Crossbar automatic telephone exchanges] Koordinatnye ATS. Moskva, Gos. izd-vo lit-ry po voprosam svyazi i radio, 1961. 189 p.
(MIRA 14:10)

(Telephone, Automatic)

LIVSHITS, B.S.; MELANUD, E.A.; YELEKOYEVA, E.K.; MOVSHOVICH,
I.Kh.; KHANIN, G.B.; PODVIDZ, M.M., dots.; METEL'SKIY,
G.B., .otv. red.; OBRAZTSOVA, Ye.A., red.

[Rural crossbar automatic exchange K-100/2000] Sel'skaia
koordinatnaia ATS K-100/2000; informatsionnyi sbornik.
Moskva, Sviaz', 1965. 136 p. (MIRA 18:11)

1. Nauchno-issledovatel'skiy institut gorodskoy i sel'skoy
telefonnoy svyazi Ministerstva svyazi SSSR (for all except
Metel'skiy, Obraztsova).

KOPP, Mark Filippovich; KHARKEVICH, Anatoly Dem'yanovich; SHILOV,
Oleg Semenovich; SA OYLFENKO, Yevgeniy Andrianovich;
MARKOVICH, Aleksandr Yakovlevich; RESHETNIKOV, N.V.,
retsenzent; METEL'SKIY, G.B., otv. red.; OB-AZISOVA, Ye.A.,
red.

[Textbook on telephony] Zadachnik po telefonii. [By] M.F. Kopp
i dr. Moskva, Sviaz', 1965. 279 p. (MIRA 18:3)

METEL'SKIY, Georgiy Vasil'yevich; MAMAYEVA, O., red.; KOROZOVA, G., tekhn.
red.

[On the banks of the Nemun] V kraiu Nemana. Moskva, Izd-vo TsK
VLKSM "Molodaa gvardia," 1957. 298 p. (MIRA 11:5)
(Lithuania)

METEL'SKIY, Georgiy Vasil'yevich; MYAKUSHKOV, V.A., red.;
KIR'YANOVA, Z.V., mlad. red.

[Swans fly off to the North] Lebedi letiat na Sever.
Moskva, Mysl', 1964. 292 p. (MIRA 18:1)

NETEL'SKIY, Georgiy Vasil'yevich

[Yamal, the edge of the earth] Yamal - kraj zemli. Moskva,
Izd-vo "Sovetskaya Rossiya," 1959. 311 p.

(MIRA 14:1)

(Yamal Peninsula--Description and travel)

METEL'SKIY, V.; SHAMAYEVA, L.; SVIRIDOVICH, V.

Effectiveness of green fallows in Kemerovo Province. Zemledelie
24 no.1:22-27 Ja '62. (MIRA 15:2)

1. Kemerovskaya oblastnaya gosudarstvennaya sel'skokhozyaystvennaya
opytnaya stantsiya.

(Kemerovo Province--Fallowing)

RAKEMANOV, V.A.; LEVIN, A.M.; ROMANENKO, G.F.; METEL'SKIY, V.I.;
VERENCHIKOVA, Ya.V.

Immediate results of the treatment of syphilis with biocillin-3.
Vest.derm.i ven. 34 no.9:37-40 '60. (MIRA 13:11)

1. Iz kafedry kozhnykh i venericheskikh bolezney I Moskovskogo
ordena Lenina meditsinskogo instituta imeni I.M. Sechenova
(zav. - chlen-korrespondent AMN SSSR prof. V.A. Rakhmanov).
(SYPHILIS) (PENICILLIN)

S/112/59/000/016/049/004
A052/A002

9.7800

Translation from: Referativnyy zhurnal, Elektrotehnika, 1959, No. 16, p. 230.
35232

AUTHOR: Metel'skiy, V. I.

TITLE: Generator With Positive Feedback Producing Linearly Increasing Voltage

PERIODICAL: Tr. Leningr. in-t aviats. priborostr., 1958, No. 18, pp. 105-112

TEXT: On the basis of a theoretical investigation of a generator producing a linearly increasing voltage, it is shown that the nonlinearity coefficient can be reduced to decimals of one per cent by using of a positive feedback, consequently lower voltage sources can be used. The expressions given are suitable for practical calculations of generators, both with and without feedback. ✓B

P. K. S.

Translator's note: This is the full translation of the original Russian abstract.

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S/112/59/000/016/040/054
A052/A002

6.4738

Translation from: Referativnyi zhurnal, Elektrotehnika, 1959, No. 16, p. 179.
34764

AUTHOR: Metel'skiy, V. I.

TITLE: On the Possibility of Using the Automatic Range Tracking System for
Measuring the Speed of Moving Objects ^a

PERIODICAL: Tr. Leningr. in-t aviats. priborostr., 1958, No. 18, pp. 113-124

TEXT: The block diagram of the automatic range tracking system contains a time discriminator, an integrator and a time modulator. The following shortcomings are inherent to a system with one integrator: 1) tracking an object moving with a constant speed is performed with a constant error; 2) tracking an object moving with an acceleration is performed with an increasing error; 3) when the reflected pulses disappear the system retains the range value worked out last, whereas the true range keeps changing. In order to eliminate the above-mentioned shortcomings, it is proposed to introduce in the system a second integrator which gives the automatic range tracking system a number of new VB

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A052/A002

On the Possibility of Using the Automatic Range Tracking Systems for Measuring
the Speed of Moving Objects

properties. An analysis of stability of the system with two integrators is carried out. A correcting circuit must be added to the system. The author suggests to realize the correcting circuit in the form of a RC cell placed on the input of the second integrator. Errors originating at an accelerated motion of an object are considered. Some suggestions on the choice of the system parameters are made. There are 3 illustrations and 5 references.

Ye. L. P.

Translator's note: This is the full translation of the original Russian abstract.

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МЕТЕЛОКТИВ. V I

F(4), 7(7)

PHASE I BOOK EXPLOITATION

SI 2850

Sivens, Arkadiy Petrovich, Nikolay Aleksandrovich Suleyev, and
Vasilii Ignat'yevich Metel'skiy

Osnovy radiolokatsii (Fundamentals of Radar) Leningrad, Sudpromgiz,
1959. 350 p. Errata slip inserted. 25,500 copies printed.

Scientific Ed.: L. D. Gol'dshteyn; Ed.: Ye. N. Chaurak; Tech. Ed.:
N. V. Erastova.

PURPOSE: This book is intended for radio specialists and students of
studying radar. It was approved by the Ministry of Higher
Education, USSR, as a textbook for radio engineering departments
of vizes.

COVERAGE: The authors discuss basic principles of radar. They
describe pulse, frequency and phase methods of ranging and
explain methods of determining azimuth and elevation of objects.
They also analyze errors in measuring coordinates by means of
radar and discuss factors determining the operating range of

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Fundamentals of Radar

SOV/2850

radar systems. They discuss counter-radar measures and describe methods of transmitting radar information. Use of radar beacons, identification systems and systems for selecting moving objects are also discussed. Chapters II (except Sections 14 and 15), III (except Section 37), VI, VII and Section 45 of Chapter IV were written by N. A. Suslov; Chapter VIII, Section 37 of Chapter IX, Introduction and Conclusion by A. P. Sivers; Chapter IX by V. I. Metel'skiy; Chapter I and Section 13 of Chapter III by A. P. Sivers and N. A. Suslov; Sections 14 and 15 of Chapter II, Chapter IV (except Section 45) and Chapter V by A. P. Sivers and V. I. Metel'skiy. The material is based largely on lectures delivered by the authors in 1950-1957. The authors thank V. V. Tikhomirov, Corresponding Member of the Academy of Sciences, USSR, for his help in preparing the manuscript. They also thank L. D. Gol'dshteyn for reviewing the text. There are 99 references, all Soviet (including 52 translations).

Card 2/9

METEL'SKIY, Vasilii Vladimirovich; TETENKOVA, Mariya Fedovna;
PCPOV, P., red.

[Potato] Kartoffel'. Kemerovo, Kemerovskoe knizhnoe izd-
vo, 1965. 59 p. (MIRA 18:10)

NETEL'SKIY, Z. I.

36655. Zhelezobetonnaya Armatura Vzmanen Chuvstvennoy Dlya Astotsennnykh
Truboprovodov Na Oroshayemykh Mestakh. *Hydro-tekhnika i melioratsiya*,
1949, no. 9, p. 70-73.

SO: *Letopis' Zhurnal'nykh Statey*, Vol. 44, Moskva, 1949

1. METEL'SKIY, Z. I.
2. USSR 600
4. Reservoirs
7. Complete control of spring runoff in ponds and reservoirs of the central chernozem provinces, Gidr. i mel, 5, No. 1, 1953.

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

~~METEL'SKIY~~, Zinovy Ivanovich, kandidat tekhnicheskikh nauk; SOKOLOV, G.,
redaktor; ZUBRILINA, Z.P., tekhnicheskii redaktor; YAKOVLEVA, Yu.N.,
tekhnicheskii redaktor

[Portable pumping stations and quickly assembled water pipes for
irrigation] Peredvizhnye nasosnye stantsii i bystrosbornye trube-
provody dlia orosheniia. Moskva, Gos. izd-vo selkhoz. lit-ry, 1956.
61 p. (MLBA 9:12)

(Irrigation) (Pumping machinery)

MEBEL'SKIY, Z. I.

Medium range sprinkler. Gidr. 1 mel. 9 no.1:7-15 Ja '57.

(MIRA 10:1)

(Sprinklers)

SOV/99-58-11-2/9

AUTHOR: Metel'skiy, Z.I., Candidate of Technical Sciences

TITLE: Hydrants for Pressure Irrigation Systems
(O gidrantakh dlya napornykh orositel'nykh sistem)

PERIODICAL: Gidrotekhnika i melioratsiya, 1958, Nr 11, pp 11 - 19 (USSR)

ABSTRACT: To overcome the disadvantages of the conventional above-ground hydrants for irrigation and sprinkling systems, the author in collaboration with Senior Technician I.N. Vishnyakov and Engineer I.K. Kheydorf (VNIIGi M) has devised a new buried hydrant, which has the following advantages:

- a) it is not susceptible to damage from farm implements;
- b) it weighs 10 times less than conventional hydrants;
- c) the costs of installation are cut in half; d) the opera-

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Hydrants for Pressure Irrigation Systems

SOV/99-58-11-2/9

ting costs of sprinkling systems are reduced by 25%. This hydrant can be used with the sprinkling devices SDU-10, KDU-41, KDU-55 and DDP-30S. The author gives a detailed description of the new hydrant. There are 5 diagrams, 1 table, 1 graph, 1 drawing, and 4 photos.

Card 2/2

NETEL'SKIY, Z.I., kand. tekhn. nauk; KISHCHEN, Ye.P.; GIL'BYAN, Z.I.

Review of foreign patents on problems of the mechanization of the movement of sprinkling and irrigating units. Gidr. i mel. 1965, no.6: 55-62 Je '65. (M.A. 18:7)

.. Vsesoyuznyy nauchno-issledovatel'skiy institut gidrotekhniki i melioratsii im. A.N.Kostyakova.

3(5), 17(4)

SOV/20-125-2-44/64

AUTHORS:

Sukachev, V. N., Academician, Gorlova, R. N., Nedoseyeva, A.K.,
Metel'tseva, Ye. P.

TITLE:

On the Vegetation of the Periglacial Regions of the Central
Russian Plain (O rastitel'nosti periglyatsial'nykh zon tsen-
tral'noy chasti Russkoy ravniny)

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 125, Nr 2, pp 393-396
(USSR)

ABSTRACT:

The Russkaya (Russian) Plain is generally supposed to have
been covered with ice crusts of various size several times
during the Pleistocene. Each of these glaciations probably
was divided into periglacial regions of different width,
which were unequally located in addition. Scientists hold
different views concerning these regions. In the aforesaid
region no remains of tundra flora have been found yet in
anthropogenetic deposits, apart from *Betula nana* L, which
even now is being found here and there within this region.
But remains of typical tundra plants were found in various
places of the Baltic countries and west Siberia. The more
interesting is the finding of tundra plant remains (in addition
to some others) in the above-mentioned sediments in the

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SOV/20-125-2-44/64

On the Vegetation of the Periglacial Regions of the Central Russian Plain

surroundings of Moscow (9-10 km westward in the wall of a gravel pit between the town of Rublevo and the village of Myakinino). The local peat deposit now is almost completely exploited. 3-4 years ago, there were found unspecified bones of a mammoth or *Trogontherium* here. On the basis of own observations, publications (Refs 1, 2) and data furnished by A. I. Moskvitin and V. V. Popov the authors reconstructed the geological structure of the region mentioned. The flood area and three terraces of the Moskva River above the former are distinctly marked. The formation of the third terrace, in the sediments of which (lower part) the known Protskoye interglacial deposit is located, must be assigned to the Kalininskoye glaciation. This terrace was washed out in the interstadial of the latter. Their sediments are characterized by fossil phenomena of freezing (Fig 1), (Refs 4-6). Plant remains were found primarily in the first terrace. Table 1 gives some spore-pollen analyses. Many leaflets of *Salix herbacea* L. and *S. polaris* W. & A. (Fig 3), a scale of *Betula cf. tortuosa* Ldb., "pod flaps" of *Draba cf. incana* L. and *Alyssum* sp. were found on the base of the sediments of the first terrace. The pollen remains (Table 1) are in no pro-

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On the Vegetation of the Periglacial Regions of the Central Russian Plain

portion to that of the macroscopic plant remains mentioned, which may be explained only by redeposition due to water. It may be concluded therefrom that there was no coherent cover of grass or dwarf bushes, not to speak of a considerable peat layer. There was no Sphagnum shell. Considerable dryness in higher places did not permit the formation of freezing phenomena. Soil was lacking almost completely. Ephedra, Chenopodiaceae and Artemisia were found there. Woods were scarcely spread, in which firs ("lower fir region") predominated, i.e. not *Picea excelsa*, but *P. obovata* (cones were found, Fig 2), plenty of pines (*Pinus*) and birches (*Betula*). Alders were scarcely distributed (probably *Alnus fruticosa* D.C. or *A. viridis* L.). There was a cold climate. The aforesaid flora (firs) rapidly disappeared. The woods then consisted of pines and birches. Ferns (*Asplenieae* and *Aspidieae*) were subsequently widespread. The spore-pollen spectrum is a typical feature of the early Holocene (boreal period). The authors could not explain the causes of simultaneous occurrence of hygrophytic firs and xerophytic *Chenopodiaceae*, *Artemisia* and *Ephedra*, of xerophytic pines and birches, in addition to hygrophytic ferns, in the early Holocene. *Picea excelsa*

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On the Vegetation of the Periglacial Regions of the Central Russian Plain

occurs there after the disappearance of *P. obovata* (Ref 21).
There are 3 figures, 1 table, and 21 references, 17 of
which are Soviet.

ASSOCIATION: Institut lesa Akademii nauk SSSR
(Institute of Forestry of the Academy of Sciences, USSR)

SUBMITTED: November 13, 1958

Card 4/4

METEL'TSEVA, Ye.P.; SUKACHEV, V.N.

New data on the Pleistocene flora in the central part of the East
European Plain; interglacial peat bog in Vladimir Province. Trudy
Kom.chetv.per. no.26:50-60 '61. (MIRA 15:3)
(Vladimir Province--Peat bogs)

BORLOVA, R.N.; METEL'TSEVA, Ye.P.; NOVSKIY, V.A.; SUKACHEV, V.N., akademik

Interglacial deposits in the environs of Rybinsk in Yaroslavl
Province. Dokl. AN SSSR 140 no.6:1427-1430 0 '61. (MIRA 14:11)

1. Laboratoriya lesovedeniya AN SSSR.
(Rybinsk region--Paleobotany, Stratigraphic)

GORLOVA, R.N.; METEL'TSEVA, Ye.P.; NEDOSEYEVA, A.K.; SUKACHEV, V.N.

Interglacial sediments with fossil flora found near Tutayev
on the Volga River. Biul. MOIP. Otd. biol. 67 no.1:59-82 Ja-F
'62. (MIRA 15:3)

(TUTAYEV REGION—PALEOBOTANY, STRATIGRAPHIC)

LUKACHEV, Y.N.; GORLOVA, R.N.; MEL'NISEVA, Ye.A.; MEDVED'EV, A.I.;
CHIZHIKOV, M.V. [Deceased]

New data on the interplanar structure of the surface part of the
Bamberg crystal. *Bull. Acad. Sci. Div. Phys. Chem. USSR*, 1964, No. 1.

ZHONDETSKAYA, Ol'ga Dmitriyevna; SHCHERBAKOVA, Klavdiya Stepanovna;
~~NETEL'TSIN, P. G.~~ otvetstvennyy redaktor; MASHAROVA, V.G., redaktor;
SUSHKEVICH, V.I., tekhnicheskiy redaktor

[Radio interference from electric transportation and ways of controlling
it] Radiopomekhi ot elektrotransporta i bor'ba s nimi. Moskva, Sviyas'-
izdat, 1957. 42 p. (MLRA 10:9)
(Radio--Interference)

ALEKSEYEVA, G.Ye., kand. tekhn. nauk, dots.; BELESKINA, L.I., dots., kand. tekhn. nauk; BALUYEV, V.K., inzh.; BAMDAS, A.M., prof., doktor tekhn. nauk; VEBIKOV, V.A., prof., doktor tekhn. nauk; YEZHKOV, V.V., kand. tekhn. nauk; ANISIMOVA, I.D., dots., kand. tekhn. nauk; GANTMAN, S.A., kand. khim. nauk; GLAZUNOV, A.A., dots., kand. tekhn. nauk; GOGUA, L.K., inzh.; GREBENNICHENKO, V.T., inzh.; GRUDINSKIY, P.G., prof.; GORFINKEL, Ya.M., inzh.; ZVEDIN, A.L., inzh.; KAZALOVICH, G.Ya., inzh.; KNYAZEVSKIY, B.A., dots., kand. tekhn. nauk; KOSAREV, G.V., dots., kand. tekhn. nauk; MESSERMAN, S.M., kand. tekhn. nauk, dots.; KOKHAN, N.D., inzh.; KUVAYEVA, A.F., dots., kand. tekhn. nauk; SOKOLOV, M.M., dots., kand. tekhn. nauk; LASHKOV, F.F., dots., kand. tekhn. nauk; LAZIN, A.I., inzh.; YUDE, F.I., inzh.; LIVSHITS, A.L., kand. tekhn. nauk; METELTSEV, P.G., inzh.; NEKRASOVA, N.M., dots., kand. tekhn. nauk; OL'SHANSKIY, N.A., dots., kand. tekhn. nauk; POLEVAYA, I.V., dots., kand. tekhn. nauk; POLEVOY, V.A., dots., kand. tekhn. nauk [deceased]; RAZEVIK, D.V., prof., doktor tekhn. nauk; RAKOVICH, I.I., inzh.; SOLDATKINA, L.A., dots., kand. tekhn. nauk; TREMBACH, V.V., dots., kand. tekhn. nauk; FELDROV, A.A., prof., kand. tekhn. nauk; FINGER, L.M., inzh.; CHILIKIN, M.G., prof., doktor tekhn. nauk, glav. red.; ANTIK, I.V., inzh., red. GOLOVAN, A.T., prof., red.; PETROV, G.N., prof., red.; FEDOSEYEV, A.M., prof., red.

(Continued on next card)

ALEKSEYEVA, G.Ye.--- (continued). Cont. 2.

[Electrical engineering manual. Elektrifitsionnyy resursi spravochnik. Pod obshchey red. A.I. Golovana i dr. Moskva, Energiia. Vol.2. 1962. 758 p. (MIRA 1962)]

1. ~~Moscow~~. Energeticheskiy institut. 2. Moskovskiy energeticheskiy institut (for Golovan, Grudinskiy, Petrov, Fedoseyev, Chilikin, Venikov). 3. Gal'n-korrespondent AN SSSR (for Petrov).

USSR/Diseases of Farm Animals. Noncontagious Diseases.

Abs Jour: Ref Zhur-Ric1., No 12, 1958, 54910.

Author : Metelyev, R. I.
Inst : Far North Scientific Research Farm Institute.
Title : To the Problem of Pathologo-Anatomical Changes in the
Lungs of Reindeer Calves with Pneumonia.

Orig Pub: Tr. n.-i. in-ta s. kh. Krayn. Severa, 1956, 3, 25-27.

Abstract: No abstract.

Card : 1/1

4

MOSELYUK, N.S., inzh.

Investigating the rigidity of structures reinforced by prestressed elements. Bet. 1 shel.-bet. no.10:477-479 0 '60. (MIRA 13:10)
(Reinforced concrete)

METELYUK, N. S.

Cand Tech Sci - (diss) "Study of the rigidity of structures reinforced with pre-stressed elements under lengthwise loading." Kiev, 1961. 19 pp with diagrams; (Academy of Construction and Architecture Ukrainian SSR, Scientific Research Inst of Construction Design); 200 copies; price not given; (KL, 6-61 sup, 221)

Moscow, U.S.S.R., 1961.

Strains and stresses in precast concrete construction
caused by the settling of concrete. (Int. Prof. 91
no. 1:19-21 Ja '61. (1961:1))
(Strains and stresses) (Precast concrete construction)

METELYUK, N.S., inzh.

Consideration of the durational processes in calculating prestressed supports with an annular cross section. Elek. sta, 32 no. 5:42-45 My '61. (MIRA 14:5)
(Electric lines—Poles) (Precast concrete construction)

ULITSKIY, Iosif Ioakhimovich; METELYUK, Nikolay Semenovich;
REMINETS, Georgiy Mikhaylovich; AZARNINA, N.I., red.;
YEREMINA, I.A., tekhn. red.

[Rigidity of reinforced concrete elements under bending]
Zhestkost' izgibaemykh zhelezobetonnykh elementov. Kiev,
Gosstroizdat USSR, 1963. 83 p. (MIRA 16:7)
(Reinforced concrete)

METELYUK, N.S., kand.tekhn.nauk; REMINETS, G.M., inzh.

Shrinkage deformations in flexed reinforced concrete elements
with cracks in the tension zone. Bet.1 zhel.-bet. 9 no.5:
222-223 My '63. (MIRA 16:6)

(Precast concrete—Testing)

METELYUK, N.S., inzh.

Determining deflections of composite elements subject to prolonged loading. Gidr. stroi. 33 no.2:35-37 P '63.
(MIRA 16:4)

(Concrete--Testing)

МАТЕРИАЛ, N. 1, kind. tekhn. nauk; KOD: KAKIY, 1.1., inzh.

Calculating reinforced concrete bar elements for deformations. Inzh. konstr. no. 1:61-68 '65.

(MIR 1962)

1. Nauchno-issledovatel'skiy institut stroitel'nykh konstruktov Gosstroya SSSR, Kiev (for Koval'skiy).

S/112/60/000/05/04/023

Translation from: Referativnyy zhurnal. Elektrotehnika. 1960, No. 5, pp. 59-60,
2.3072

AUTHOR: Metenin, V. I.

TITLE: Investigating the Operation of Electromagnetic Valves for Gas
Sampling from Cylinders of Heat Engines.

PERIODICAL: Tr. Kuybyshevsk. aviats. in-t, 1958, No. 6, pp. 57-61

TEXT: The author describes the design and the operation of electromagnetic valves with a drive. The instants of valve opening and closing are fixed with the aid of an electric induction time marker, whose readings are recorded by a loop oscillograph without additional amplification. The small dimensions of the valve and the simple drive make it possible to mount it in inaccessible places of the engine. There are 2 references.

B. I. Ya.

Card 1/1

METENIN, V. I. (Assist. Prof. Cand. of Tech. Sc.)

"Cycles of Wind Cooling Devices."

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

14(1)

SOV/66-59-4-4/28

AUTHOR: Metenin, V., Candidate of Technical Sciences

TITLE: Experimental Investigation of the Working Process of a Vortex Air Refrigeration Installation

PERIODICAL: Kholodil'naya tekhnika, 1959, Nr 4, pp 15-20 (USSR)

ABSTRACT: The article describes a 20 liter capacity refrigerator cooled by means of a vortex tube. Compressed air, after being dried in an adsorber, where it is partly cooled, enters the vortex tube, where it is divided into two streams of cold and of hot air; the cold air is directed into the refrigeration compartment; on leaving same it passes through the heat exchanger and from there to the outside. The plant has the form of a cylinder 1,200 mm high with a 550mm diameter and is equipped with an ejector for drawing off the air from the refrigeration compartment. A series of experiments have been conducted with this installation, which are described in the article, as well as the results obtained, showing in particular the influence of the pressure of the compressed air, the influence of the opening of the diaphragm, the influence of the parameters of the heat exchanger and the influence of the length of the vortex tube on the operation of the refrigerator and on the co-

Card 1/2

SOV/66-59-4-4/2b

Experimental Investigation of the Working Process of a Vortex Air Refrigeration Installation

efficient of temperature effectiveness. In each case the optimum working conditions are being determined. Vortex air refrigerators may be suitable to certain branches of industry.

There are: 1 diagram, 1 table, 5 graphs and 7 references, 4 of which are Soviet, 2 English and 1 German.

ASSOCIATION: Kuybyshevskiy aviatsionnyy institut (Kuybyshev Aviation Institute)

Card 2/2

84450

3/057/60/030/003/016/021

8019/B054

26.2160

AUTHOR: Metenin, V. I.

TITLE: An Investigation of Vortical Temperature Separators for Compressed Gas

PERIODICAL: Zhurnal tekhnicheskoy fiziki, 1960, Vol. 30, No. 3, pp. 1095-1103

TEXT: The present paper gives results of experimental investigations on vortex tubes. The most suitable types and dimensions were to be found. In the first part, the author discusses the experimental arrangement schematically shown in Fig. 1. In the second part, he discusses the experimental results, and particularly deals with the influence of the construction of a diffuser grid and the length of the vortex zone, with the influence of the nozzle construction, with the influence of temperature of the compressed air, and the vortex effect for steam. From the results compiled in the table and in diagrams, the author concludes that the construction of the diffuser grid exerts a strong influence on the optimum length of the vortex zone, on the cold delivery, and on the temperature characteristics of the vortex tubes. The net-type diffuser grids proved to be most
Card 1/2

84450

An Investigation of Vortical Temperature Separators S/057/60,030/009616/021
for Compressed Gas B019/B054

efficient, and it appeared that the separation of hot and cold gas occurs at a short distance from the nozzles. The length of the vortex zone is longer with tangential multinozzle introduction than with single-nozzle introduction. The highest cooling effect and the maximum cold delivery is attained with tangential single-nozzle introduction as compared with tangential multinozzle introduction, with the shortest length of the vortex zone. The Ranque effect was also observed with superheated steam. There are 7 figures, 2 tables, and 13 references: 6 Soviet, 1 French, 1 German, and 4 US.

ASSOCIATION: Kuybyshevskiy aviatsionnyy institut
(Kuybyshev Aviation Institute)

SUBMITTED: January 27, 1960

Card 2/2

METENIN, V.I., kand.tekhn.nauk, dotsent

Vortex refrigerating unit for cold treatment of steel. Vest.
mashinostr. 43 no.8:57-60 Ag '63. (MIRA 16:9)
(Steel--Quenching)

METENIN, V. I.

"Determination of optimum operating conditions vortex air-cooling unit."

report submitted for 2nd All-Union Conf on Heat & Mass Transfer, Minsk, --12
May 1964.

Kuybyshev Aviation Inst.

ACC NR: AT7000383

SOURCE CODE: UR/0000/66/000/000/0027/0338

AUTHOR: Matenin, V. I.

ORG: Kuybyshev Aviation Institute (Kuybyshevskiy aviatsionnyy institut)

TITLE: Determination of optimum operating conditions for a vortex-type air refrigeration apparatus

SOURCE: Teplo- i massopereenos, t. 6: Metody rascheta i modelirovaniya protsessov teplo- i massopobmena (Heat and mass transfer, v. 6: Methods of calculating and modeling heat and mass transfer processes). Minsk, Nauka i tekhnika, 1966, 327-338

TOPIC TAGS: vortex tube, refrigeration equipment

ABSTRACT: The article starts with a theoretical consideration of the thermodynamics of the problem. On the basis of the theoretical conclusions, the article shows the design of an experimental vortex tube of optimum construction (see Fig. 2). The article gives the results of experiments with a tube of the above design with a diameter of 2. mm. The initial pressure was 49×10^4 newtons/meter², and the initial temperature was 20°C. The air flow rate through the apparatus was 120 kg/hour. Based on the experimental data, figures are given showing the effect of the pressure of the compressed air, the effect of the heat load on the cold chamber on the operating characteristics of the vortex tube, and the effect of the diameter of the opening in the diaphragm of the vortex tube. Orig. art. has: 11 formulas and 5 figures.

Card 1/2

ACC NR: AT7000383

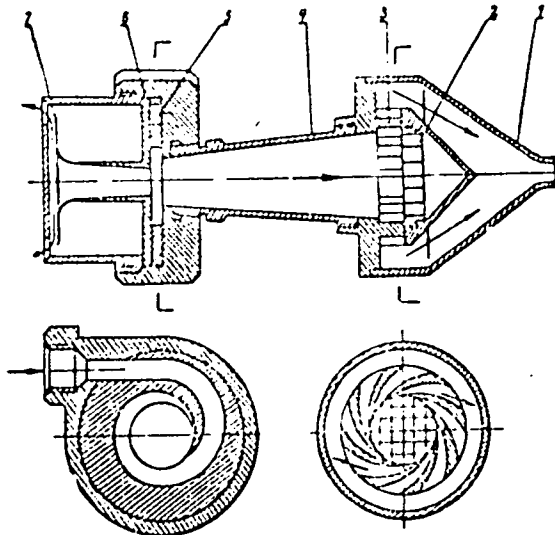


Fig. 2. Construction of vortex tube

- 1—throttle for hot flow; 2—compensating grid; 3—vane-type diffuser throttle;
- 4—hot end of vortex tube; 5—curvilinear confusor nozzle and whirling device;
- 5—diaphragm with cold end of vortex tube; 7—slot-type diffuser.

SUB CODE: /3/ SUBM DATE: 08Jun66/ ORIG REF: 007

Card 2/2

MITCHELL, A. F.

Dissertation: "Investigation of the Operation of the Roller-Type Feeder for Dough-Separating Machines." Cand Tech Sci, Moscow Technological Inst of the Food Industry, 28 Apr 54. (Vechnyyaya Moskva, Moscow, 29 Apr 54)

LC: LUN 243, 19 Oct 1954

112 18.5, 11.11.

6(4)

PHASE I BOOK EXPLOITATION

SOV/2774

Novaya apparatura radioveshchatel'nogo trakta; informatsionny sbornik (New Equipment of a Broadcasting System; Information Series) Moscow, Svyaz'izdat, 1959. 56 p. (Series: Tekhnika svyazi) 10,000 copies printed.

Resp. Ed.: V. A. Fursov; Ed. : V. I. Bashchuk; Tech. Ed.: S. F. Karabilova.

PURPOSE: This collection of articles may be useful to radio engineers.

COVERAGE: The authors discuss the following broadcast equipment: PRA-1 panel of a broadcast control room; PFA-1 panel of a speech-broadcast control room; PTU-3 and PTU-4 portable transmitters; and SDS-1 announcer's desk equipment. No personalities are mentioned. There are no references.

TABLE OF CONTENTS:

Foreword

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Card 1/3

New Equipment (Cont.)

SOV/2774

Meter, Ch. M. PRA-1 Panel of a Radio broadcast
Control Room

4

The author discusses the construction of a PRA-1 panel of a radio-broadcast control room and describes the operation of various circuits in the panel, such as audio-frequency and signalling circuits, linear amplifier, frequency compensating circuit, pulse meter, control amplifier, attenuator, rectifiers and power-supply circuit.

Baranovskiy, B. K. PFA-1 Panel of Speech Broadcast
Control Room

17

The author discusses the construction of a PFA-1 panel of a speech-broadcast control room and describes various circuits in the panel, such as the audio-frequency amplification circuit, microphone amplifier, linear amplifier and the telephone circuit. A brief discussion of the sound level, signalling and power-supply equipment is also presented.

Doroshenko, A. I. PTU-3 Transmitting Equipment

32

Card 2/3

New Equipment (Cont.)

SOV/2774

The author discusses the construction and operation of a PTU-3 transmitter for transmitting speech and outdoor music programs and describes transmitter components.

Lipkina, V. A. PTU-4 Portable Transmitter

41

The author discusses the circuit of a PTU-4 portable transmitter and its components, such as the microphone amplifier, pulse meter, control amplifier and the power-supply circuit.

Meter, Ch. M. SDS-1 Announcer's Desk

52

The author presents a brief description of the equipment of the announcer's desk and discusses its operation.

AVAILABLE: Library of Congress

Card 3/3

JP/mmh
1-14-60

METER, Ch. M.

807/587

588. **Elektronnoye otdeleniye. Substancionnaya upravleniye**
Sovetskoye upravleniye i elektromagnitnyye informatsionnyye sborki.
(See Electro-Communication and Power Supply Equipment) Collection of
Information) Moscow, Byurovskaya, 1959. 100 p. (Seriya: Tekhnicheskaya
1), 20 copies printed.

589. **Ma. V.A. Liptsin; Ma. D.S. Sorokina and B.M. Mordukhai.**
Moskva, 1957. 82 p. Illustrations.

Prilozheniye. This collection of articles is intended for technical personnel of
the Ministry of Communications USSR and its subordinate telecommunication
establishments.

Summary: The articles in this collection describe various new pieces of Soviet
equipment used in electrical communications systems. These include:
broadcast studio equipment, mobile audio amplifiers, transformers, cable
racks, converters, rectifiers, and switchboards. No personalities are
mentioned. References accompany the articles in footnotes.

590. **Ma. V.A. Liptsin and B.M. Mordukhai. A.O. Ch. "Walking Clock" Unit**
This article provides telephone time services. The authors describe its
principles of operation, and the block diagram of the unit.

591. **Ma. V.A. Liptsin. 200 Line Transformer with Lightning Arrestor.**
This power transformer is designed for operation with overhead
transmission lines of wire broadcasting systems. The author describes
the diagram and design of the transformer.

592. **Prilozheniye, V.S. Subscribers Telegraph Station of the ADS-4 Low Capacity**
System
This station is designed for installation in oblast or rayon
communication centers of the subscribers' automatic telegraph system.
Its capacity is 10 subscribers' installations and 5 voice-frequency
channels.

593. **Fred, V.O. VES Lead-In Cable Cabinet Racks**
The author lists a variety of racks for connecting balanced cables
of varying capacity. A table indicates the types of mounting plates
for each rack. The author also describes circuit diagrams and opera-
tion of the rack stabilizers.

594. **Prilozheniye, V.S. VS-50 Lead-In Rack**
The author briefly describes the structure and operation of this rack,
which serves for connection and commutation of communication cables
and over-head lines, and for protection of station equipment.

595. **Prilozheniye, M.V. G.A. Vol'pova, and V.P. Shoshenkov. Constant Voltage**
Direct Current Converters with Triacistor Triodes
These converters provide power supply for communication equipment
by means of a single battery. The article also describes converter
operating principle, external dimensions, and the type of applica-
tion and components. The results of experiments with 3 types of con-
verters are shown in a table.

596. **Solov'ev, L.D. VS-50/30 Rectifier Assembly**
The rectifier serves as a power supply for equipment used in inter-
rayon and intra-oblast telecommunications and in dial telephone
systems. The author gives the circuit diagram and design of the assembly.
Diagram and structural details of the set board.

597. **Konstantinov, L.S. EKKE-1 Combined Switchboard**
The switchboard connects local subscribers among themselves and connects
long distance lines with local telephone network subscribers and with
those of the automatic telephone system. The article describes circuit
diagrams of various combinations of connections, structural details of
the components and the assembly of the rack.

598. **Vidorchik, M.M. ES-3 Drilling Rig**
The rig drills the holes for overhead line poles. The author describes
the functional diagram, design, and operation of the assembly.

AVAILABLE: Library of Congress

807/587

OKUN', Lidiya Moiseyevna; ~~MSTER~~, Ch.M., otv. red.; RYAZANTSEVA, M.M.,
red. izd-va; DIKOV, V.N., tekhn. red.

[Equipment of automatical transformer substations for wire broad-
casting] Apparatura avtomaticheskikh transformatornykh podstantsii
provodnogo veshchaniia. Moskva, Gos. izd-vo lit-ry po voprosam
sviazi i radio 1961. 143 p. (MIRA 14:10)
(Wire broadcasting) (Electric substations)

STARKOVA, T.O.; METER, I.D.

Hyaluronidase in tuberculous pleural exudates; author's abstract.
Zhur.mikrobiol.epid.i immun. no.11:44 N '53. (MLRA 7:1)

**1. Iz kafedry mikrobiologii (zaveduyushchiy - professor V.N.Kosmodamianskiy) I Leningradskogo meditsinskogo instituta im. akad. I.P.Pavlova.
(Tuberculosis) (Enzymes)**

KISELEV, P.M., prof.; RABINOVICH, R.M.; ~~METER, I.D.~~

Course and treatment of experimental pneumonia in animals with radiation sickness. Vop.radiobiol. 2:364-372 '57.

(MIRA 12:6)

1. Sotrudniki Tsentral'nogo nauchno-issledovatel'skogo rentgeno-radiologicheskogo instituta Ministerstva zdravookhraneniya SSSR.
(RADIATION SICKNESS) (PNEUMONIA)

KISELEV, P.N.; RABINOVICH, R.M.; METER, I.D.

Treatment of staphylococcal pneumonia in radiation sickness [with summary in English]. Med.rad. 3 no.4:41-46 J1-Ag '58.

(MIRA 12:3)

1. Tsentral'nogo nauchno-issledovatel'skogo rentgeno-radiologicheskogo instituta Ministerstva zdavookhraneniya SSSR.

(PNEUMONIA, experimental,

micrococcal, in radiation sickness, eff. of antibiotics (Rus))

(ANTIBIOTICS, effects,

on exper. micrococcal pneumonia in radiation sickness (Rus))

(MICROCOCCAL INFECTIONS, experimental,

pneumonia in radiation sickness, eff. of antibiotics (Rus))

(ROENTGEN RAYS, effects,

total body, eff. of antibiotics on assoc. pneumonia in animals (Rus))

KISELEV, P.N.; RABINOVICH, R.M.; METER, I.D.

Principles of the development, course and outcome of experimental pneumonia in acute radiation sickness. Med.rad. 3 no.6:3-10 N-D '58. (MIRA 12:1)

1. Iz bakterio-serologicheskoy laboratorii (zav. - prof. P.N. Kiselev) Tsentral'nogo nauchno-issledovatel'skogo rentgeno-radiologicheskogo instituta Ministerstva zdravookhraneniya SSSR.

(PNEUMONIA, exper.

eff. of exper. radiation sickness (Rus))

(ROENTGEN RAYS, effects,

on exper. pneumonia, radiation sickness dose (Rus))

METER, I.D.

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PHASE I BOOK EXPLOITATION

SOV/5435

Kisilev, P. N., Professor, G. A. Gusterin, and A. I. Strashinin, Eds.

Voprosy radiobiologii. t. III: Sbornik trudov, posvyashchenny 60-letiyu so dnya rozhdeniya Professora M. N. Pobedinskogo (Problems in Radiation Biology. v. 3: A Collection of Works Dedicated to the Sixtieth Birthday of Professor M[ikhail] N[ikolayevich] Pobedinskiy [Doctor of Medicine]) Leningrad. Tsentr. n-issl. in-t med. radiologii M-va zdravookhrananiya SSSR, 1960. 422 p. 1,500 copies printed.

Tech. Ed.: P. S. Pelcsuk.

PURPOSE: This collection of articles is intended for radiobiologists.

COVERAGE: The book contains 49 articles dealing with pathogenesis, prophylaxis, and therapy of radiation diseases. Individual articles describe investigations of the biological effects of radiation carried out by workers of the Central Scientific Research Institute for Medical Radiology of the Ministry of Public Health, USSR. [Tsentral'nyy nauchno-issledovatel'skiy institut meditsinskoy radiologii Ministerstva zdravookhrananiya SSSR] during 1958-59. The following

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Problems in Radiation Biology (Cont.)

BOV/5455

topics are covered: various aspects of primary effects of radiation; the course of some metabolic processes in animals subjected to ionizing radiation; reactions in irradiated organisms; morphologic changes in radiation disease; and reparation and regeneration of tissues injured by irradiation. Some articles give attention to the effectiveness of experimental medical treatments. No personalities are mentioned. References accompany almost all of the articles.

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METER, I.D.

Causes of failure in antibiotic therapy of autoinfection
in radiation injury. Med. rad. 8 no.8:58-65 Ag '63.
(MIRA 17:10)

PETROV, Vadim Konstantinovich, inzh.; SHLYAPINTOKH, Lev Samoylovich, inzh.;
~~METTER, Yakov Salomonovich~~, nauchnyy red.; KOPTEVSKIY, D.YA., red.;
ROGACHEV, F.V., red.; RAKOV, S.I., tekhn.red.

[Collection of problems in electric engineering for communication schools] Sbornik zadach po elektrotehnike dlia remeslennykh uchilishch svyazi. Izd.2., ispr. i dop. Moskva, Vses. uchebno-pedagog. izd-vo Trudrezervizdat, 1958. 154 p. (MIRA 12:1)
(Electric engineering--Problems, exercises, etc.)

ACC NR: AP7000807

SOURCE CODE: PO/0002/66/000/005/0130/0137

AUTHOR: Metera, Jerzy (Warsaw)

ORG: none

TITLE: Novosibirsk Center of the Siberian Branch of the Academy of Sciences, USSR

SOURCE: Nauka Polska, no. 5, 1966, 130-137

TOPIC TAGS: academic institution, academic personnel, ~~research personnel~~, scientific research, research program, ~~testing laboratory~~ research facility

ABSTRACT: The Siberian Branch of the Academy of Sciences, USSR, (SOAN), was organized in 1958 with a Center at Novosibirsk, and with branches in Vladivostok, Krasnoyarsk, Irkutsk, Tbilisi and the Island of Sakhalin - Academician M. A. Lavrentiyev is President of SOAN and Director of its Novosibirsk Center. SOAN has 16 scientific research institutes with 1300 scientific workers, including 10 Academicians and 30 corresponding members of the Academy. The Novosibirsk Center has 12 institutes: Nuclear Physics; Semiconductor Physics; Inorganic Chemistry; Chemical Catalysis; Organic Chemistry; Hydrodynamics; Geology and Geophysics; Cytology and Genetics; Kinetics and Combustion Reaction; Economics; Heat Physics; Computing Center. Every institute has its own design offices and experimental laboratories. A large experimental plant serves also as a training center for the Novosibirsk University students, for the Center scientific personnel, and also for industrial workers of various Siberian plants. SOAN achievements

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ACC NR: AP7000807

since its establishment are many and in various fields, such as pest control in Siberian forests; method of determining the selection of catalyzers for particular reactions; development of a neutron pulse generator; development of a 200 ton pressure percussion hydraulic hammer used for crushing rock and coal deposits, etc. A close cooperation between the Center and the Novosibirsk University (founded in 1959) is assured by employing Center scientists as University professors, training advanced students in Center institutes, and recruiting most of Center's scientific staff from among the University graduates.

SUB CODE: OS / SUBM DATE: 00May66 / ORIG REF: 001

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METEROV, M.

Some principles of the structure of multicircle systems of great stationary accuracy with several regulated characteristics. p. 373.

MAGYAR TUDOMANYOS AKADEMIA. MUSZAKI TUDOMANYOK OSZTALYA. KOZLEMENYEI.
Budapest, Hungary. Vol. 24, no. 1/4, 1959.

Monthly List of East European Accessions. (EEAI) LC Vol. 9, no. 2,
Feb. 1960 Uncl.

METES, Lajos

①

2

11/16

11648° Methods of Forming of Crank Shafts. (Hungarian.) Lajos Metes. Kovácsai Lapok, v. 9, no. 2, Feb. 1954, p. 72-73.

Advantages and methods of preforming pieces to be forged. Savings in raw material and better formation of flow lines. Photographs.

ROMANIA / Chemical Technology, Chemical Products and H
Their Application, Ceramics, Glass, Binding
Materials, Concretes.

Abs Jour: Ref Zhur-Khimiya, No 19, 1958, 65213

Author : Latiu Emil, Metes Lucia

Inst : -

Title : Experiments with Dev Tuff on Hydrolicity and Ad-
sorption.

Orig Pub: Bul. stiint. si tehn. Inst. politehn. Timisoara,
1956, 1, No 2, 321-331

Abstract: The tuff investigated, with an increased SiO₂ con-
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properties.

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ZURABYAN, K.M., kand.tekhn.nauk; METETSKENE, N.I., inzh.; SAVEL'YEV, A.I.,
kand.tekhn.nauk; SUCHKOV, V.G., kand.tekhn.nauk

Testing of the mechanical properties of leather under dynamic con-
ditions. Kozh.-obuv.prom. 6 no.10:15-20 0 '64.

(MIRA 18:1)

CHILOV, K.; ~~METEV, M.~~

Frequency, propagation, and changes in certain internal diseases in Bulgaria; data from 6 hospitals. *Izv. Med. inst., Sofia* 2 no.3:29-56 1951. (CIAL 22:1)

1. Professor, Corresponding Member of the Bulgarian Academy of Sciences for Chilov; Doctor for Metev.

IONKOV, Iv., Prof.; METEV, M. - St. asistent

Certain aspects of the course of cholelithiasis, cholecystitis, and cholangitis. Suvrem. med., Sofia 8 no.4:61-66 1957.

1. Iz Propedevtichnata vutreshna klinika pri VMI - Sofia (Direktor: prof. Iv. Ionkov).

(BILIARY TRACT, diseases,
clin. aspects (Bul))

METEY, M.

BULGARIA, General Problems of Pathology - Tumors.

T-5

Abs Jour : Ref Zhur - Biol., No 4, 1958, 1/437

Author : Petrov, I., Metey, M., Marangulov, I.

Inst : -

Title : The Clinical Picture and Course of Acute Leukemias of Childhood.

Orig Pub : Voen. med. delo (B 1g), 1957, 12, No 2, 29-36

Abstract : No abstract.

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1. *[Faint, illegible text]*

[Faint, illegible text]

[Faint, illegible text]

[Faint, illegible text]

[Faint, illegible text]

L 29994-66

ACC NR: AP6020084

SOURCE CODE: BU/0017/65/020/004/0011/0016

AUTHOR: Viktorov, Iv. (Colonel of the medical service); Patrashkov, T. (Lieutenant colonel of the medical service); Motey, M. (Colonel of the medical service)

20
13

ORG: none

TITLE: Current therapy of acute renal insufficiency ²²

SOURCE: Voenno-meditsinsko delo, v. 20, no. 4, 1965, 11-16

TOPIC TAGS: genitourinary system disease, therapeutics, vitamin, hormone

ABSTRACT: Review of preventive and therapeutic procedures in acute renal insufficiency: protein-free or -poor diets; caloric intake, vitamins, hormone support, electrolyte control; description of 3 case reports of young men in their twenties, the first recovered with conservative treatment, the other 2 had an unspecified type of extracorporeal dialysis and one died despite all efforts. [JPRS]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 003 / OTH REF: 009
SOV REF: 003

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MEDEV, N.

MITEV, N. Reserves for reducing production cost of cast iron in machine construction industries. (To be contd.) p.21.

Vol. 4, no. 11, 1955
TEZHKA PROMISHLENOST
TECHNOLOGY
Sofiya, Bulgaria

So: East European Accessions, Vol. 5, no. 5, May 1956

METEV, V. (Sofia); STAMBOLIEV, St. (Sofia)

Some methodical and psychological notes on the lesson "Forms in Spherical Mirrors" in the 7th grade. Mat i fiz Bulg 5 no.4:29-35
Jl-Ag '62.