

030619-65 EWA(L)/EWT(L) Feb

ACCESSION NR: AP5005964

S/0048/65/029/002/0326/0327

AUTHOR: Fedorov, V.A.; Doroshenko, G.G.

TITLE: A sensitive stable pulse height discriminator ²⁵ Report, 14th Annual Conference on Nuclear Spectroscopy held in Tbilisi, 14-22 Feb 1964/ ¹⁵
14

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v.29, no.2, 1965, 326-327

TOPIC TAGS: pulse height analyzer

ABSTRACT: The circuit is given of a pulse discriminator for which great sensitivity and stability is claimed. The operation of the instrument is described briefly. The distinctive feature of the discriminator is the use of a nonlinear diode circuit in the positive feedback loop in such a way that the thermionic triodes of the univibrator remain on the linear portions of their characteristics during the stable resting phase. A threshold sensitivity of 1 to 3 mV was achieved, with a pulse length of 1 microsec and a recovery time of 0.1 to 0.2 microsec. Orig.art. has: 1 formula and 1 figure.

Card 1/2

L 33615-65

ACCESSION NR: AP5005964

ASSOCIATION: Moskovskiy inzhenerno-fizicheskiy institut (Moscow Engineering Physics Institute)

SUBMITTED: 00

ENCL: 00

SUB CODE: EC,NP

NR REF SOV: 001

OTHER: 001

Card 2/2

L 14031-66 EWT (R) DIAAP-DM
ACCESSION NR: AP5027960

UR/0089/65/019/001/0051/0056

AUTHOR: Doroshenko, G. G.; Zolotukhin, V. G.; Yefimenko, B. A.

35
B

TITLE: On matrix treatment of data obtained by fast neutron single crystal scintillation spectrometer 19

SOURCE: Atomnaya energiya, v. 19, no. 1, 1965, 51-56

TOPIC TAGS: fast neutron, neutron spectrum, mathematic matrix, single crystal, crystal counter, spectrometer, Monte Carlo method

ABSTRACT: Matrices are calculated for the treatment of results of measurements of fast-neutron spectra. The counting efficiencies of a stilbene crystal (height 30 mm and diameter 30 mm) in the energy range 1 to 18 Mev taking into account energy resolution were calculated on the basis of the line shapes $K(E \supset p, E)$, found by the Monte-Carlo method for 55 values of the initial neutron energy. Calculations were performed for 4 values of the resolution parameter (standard deviation). The direct and inverse transposed matrices are presented. Orig. art. has 3 formulas, 3 graphs, and 3 tables.

ASSOCIATION: none
SUBMITTED: 22Sep64
NO REF SOV: 007
Card 1/1 BP

ENCL: 00
OTHER: 007

SUB CODE: NP, NA
NA

L 4393-66 EWT(m) DIAAP DM

ACC NR: AP5028436

SOURCE CODE: UR/0089/65/019/001/0056/0059

AUTHOR: Zolotukhin, V. G.; Doroshenko, G. G.; Yefimenko, B. A.

ORG: none

36
13

TITLE: Analysis of the systematic error due to differentiation of apparatus spectra measured by fast neutron single crystal scintillation spectrometer

SOURCE: Atomnaya energiya, v. 19, no. 1, 1965, 56-59

TOPIC TAGS: fast neutron, neutron spectrum, neutron spectroscopy, single crystal, scintillation spectrometer, particle scatter, Monte Carlo method, approximation, differentiation

ABSTRACT: The error introduced in the line shape of neutron spectra obtained in a neutron-proton recoil scintillation spectrometer due to the use of the differentiation method in the single scattering approximation is considered. Monte-Carlo calculations using this approximation were performed. A histogram of the line shape of a detector with a cylindrical stilbene crystal is given for incident neutron energies of 1.0 and 4.15 Mev, and the deviation of the derived differential spectra from the ideal values is shown as a function of neutron energy from 1 to 5 Mev for 1.05- and 2.05-Mev protons, for three different sizes of cylindrical stilbene crystal. It is found that for slowly changing spectra the errors associated with line-shape distortion are within a few percent, but for quickly changing neutron spectra, the error of the differentiation method can reach significant values. Orig. art. has: 4 figures, 4 formulas. [NA]
Card 1/2

UDC: 537.16.08:539.125.5

L 4393-66

ACC NR: AP5028436

SUB CODE: NP, MA, SS / SUBM DATE: 22Sep64 / ORIG REF: 005 / OTH REF: 003

Card 2/2



L 1164-66 EWT(m)/EIF(n)-2/EWA(h)

ACCESSION NR: AT5023160

UR/2892/65/000/004/0088/0072

AUTHOR: Doroshenko, G. G.; Zolotukhin, V. G.

TITLE: Simple method for study of the continuous spectra of fast neutrons

SOURCE: Moscow. Inzhenerno-fizicheskiy institut. Voprosy dozimetrii i zashchity ot izlucheniya, no. 4, 1965, 68-72

TOPIC TAGS: neutron spectrum, fast neutron, mathematic matrix, hydrogen, radiation dosimetry

ABSTRACT: The article gives an evaluation of the accuracy of an approximate solution to the problem of the simple interaction of neutrons with hydrogen nuclei, using a matrix analysis of the results of measurements made with a single crystal scintillation fast neutron spectrometer. In the matrix method for counter efficiency, and with the use of a quadrature with respect to the trapezoid formula and of approximate simple n-p scattering, the system of linear equations has the form:

Card 1/2

L 1164-66

ACCESSION NR: AT5023150

$$N(B_1) = \int_{B_1}^{E_{max}} f(E) \frac{\epsilon_n(E)}{E} (E - B_1) dE$$

$$\approx \sum_{k=1}^n f(E_k) \frac{\epsilon_n(E_k)}{E_k} (k - 1) (\Delta E) \quad (1)$$

where $N(B_1)$ is the integral velocity of the counter at the threshold energy B_1 ; $f(E)$ is the sought differential energy spectrum of the fast neutrons; ϵ_n is the recording efficiency taking into account only simple n-p scattering; E_k are the points of the quadrature with respect to the trapezoid formula; ΔE is the spacing of the matrix. For the given case it is stated that calculation of the elements of the direct and inverse matrices, as well as an analysis of the measurement results, can be done with an ordinary slide rule for any given dimensions of the scintillator and any given graduations of the energy scale. Orig. art. has: 3 formulas, 2 figures and 2 tables

ASSOCIATION: None
 SUBMITTED: 00
 NR REF SOV: 005

ENCL: 00
 OTHER: 001

SUB CODE: NP

Card 2/2 DP

TIKHONOV, A.N.; ARSENIN, V.Ya.; VLADIMIROV, L.A.; DOROSHENKO, G.G.; DUMOVA, A.A.

Processing of spectra of gamma quanta and fast neutrons measured
by means of single-crystal scintillation spectrometers. Izv. AN
SSSR. Ser. fiz. 29 no.5:815-818 My '65. (MIRA 18:5)

L 10548-66 EWT(m)/EPP(n)-2/EWA(h)

ACCESSION NR: AT5023166

UR/2892/65/000/004/0143/0146

AUTHOR: Doroshenko, G. G. ; Fedorov, V. A. ; Leonov, Ye. S.

30
B+

TITLE: Scheme for the stabilization of the amplifying circuit of fast neutron spectrometer *A*

SOURCE: MOSCOW, Inzhenerno-fizicheskii institut. Voprosy dozimetrii i zashchity ot izlucheniya, no. 4, 1965, 143-146

TOPIC TAGS: nuclear radiation spectrometer, fast neutron, thyatron, electronic amplifier, current stabilization, *feedback circuit*

ABSTRACT: The instability of the moment of ignition of a thyatron, as well as other factors leading to instability, associated with a change in the magnitude of the charge passing through the thyatron are compensated with a supplementary negative feedback circuit. In this case, the feedback circuit signal is read from a resistance connected in series with the thyatron. This signal repeats the shape of the light impulse, and the voltage of the peak detector at the outlet of the circuit is read subtracted from the outlet voltage of the peak detector of the main channel. To raise the efficiency of the stabilization scheme it is desirable that the magni-

Card 1/2

L 10548-66

ACCESSION NR: AT5023166

tude of the reference impulse be as large as possible. However, even with reference impulses equivalent to the impulses from the yield of protons with energies of about 15 Mev, the normal operation of the separation scheme was disrupted. This problem was solved by trial and error determinations of the amplitude and duration of the reference light signal. The article shows a diagram of the circuit. Orig. art. has; 2 figures.

ASSOCIATION: None

SUBMITTED: 00

ENCL: 00

SUB CCDE: NP, EC

NR REF SOV: 006

OTHER: 000

Card 2/2 pw

DOROSHENKO, G.G.; FEDOROV, V.A.; LEONOV, Ye.S.

Change in the spectra of fast neutrons after passing through
aluminum, paraffin, and water. Atom. energ. 19 no.5:460-
462 N '65. (MIRA 18:12)

L 15799-66 EWT(m)

ACCESSION NR: AT5023163

UR/2892/65/000/004/0137/0138

AUTHOR: Doroshenko, G. G.

37
B-1

TITLE: Evaluation of the contribution of different scintillation components

SOURCE: Moscow. Inzhenerno-fizicheskiy institut. Voprosy dozimetrii i zashchity ot izlucheniya, no. 4, 1965, 137-138

TOPIC TAGS: scintillation spectrometer, luminescence, excitation energy, radiation dosimetry //

ABSTRACT: In previous work, current impulses were in practice measured at the output of the photomultiplier, while the relative intensity of the slow components were evaluated by equating the maximum values of the impulses at the peaks. It is evident that an exaggerated luminescence time is thus obtained. Previous work has also shown, in calculations of the shape of the current impulses, that consideration of the dispersion at a small luminescence time leads to a substantial decrease in the amplitude of the current impulses at the output of the photomultiplier compared to the amplitude of an undistorted impulse. A figure is given which presents the results of calculations showing a strong dependence of

Card 1/2

2

L 15799-66

ACCESSION NR: AT5023163

amplitude on the magnitude of the dispersion, under conditions which maintain the total charge at the current impulse output. The article gives a formula for calculation which is stated to give more accurate results. Using this formula and a measured value of the effective luminescence time for stilbene, an evaluation was made of the value of the coefficients for the intensities of the fast components, and introduction of these components led to agreement between literature data and experimental results. The obtained values of the coefficients for electron and proton excitation were found to be identical and to be equal to 2.6. Orig. art. has: 2 formulas and 1 figure

ASSOCIATION: None

SUBMITTED: 00

ENCL: 00

SUB CODE: 18

NR REF SOV: 002

OTHER: 005

Card 2/2 *MJS*

L 15787-66 EWT(m) DIAAP

ACCESSION NR: AT5023164

UR/2892/65/000/004/0139/0140

AUTHOR: Doroshenko, G. G.

23
BT1

TITLE: Evaluation of optimum dimensions of a scintillator for a single crystal fast neutron spectrometer

SOURCE: Moscow. Inzhenerno-fizicheskiy institut. Voprosy dozimetrii i zashchity ot izlucheniya, no. 4, 1965, 139-140

TOPIC TAGS: nuclear radiation spectrometer, scintillation spectrometer, fast neutron single crystal, mathematic matrix

ABSTRACT: The basic criterion was taken as the magnitude of the conditionality rho which is a measure of the physical accuracy of the solution of a system of linear equations. The calculation of the magnitude of the conditionality was made for stilbene crystals with the following geometric dimensions: 30x10 mm, 30x30 mm, 70x70 mm, and 200x200 mm. Results of the calculation are shown graphically for two matrix spacings, $\Delta E = 0.5$ Mev and $\Delta E = 1$ Mev, and the corresponding two rows of the matrix, $n = 19$ and $n = 9$. It was found that the dependence

Card 1/3

2

L 15787-66

ACCESSION NR: AT5023184

of conditionality on the geometric dimensions of the crystal has a minimum at a height of 45 mm (See enclosure 01). The worsening of the conditionality with a decrease in the dimensions of the crystal is explained by an increase in the relative fall in the registration as a function of the energy. It can also be deduced from the figure that, from the standpoint of the magnitude of conditionality, there is no advantage in the use of crystals with larger dimensions to 80-100 mm. Orig. art. has: 1 figure

ASSOCIATION: None

SUBMITTED: 00

ENCL: 01

SUB CODE: 18

NR REF SOV: 004

OTHER: 000

Card 2/3

L 15787-66

ACCESSION NH: AT5023164

ENCLOSURE: 01

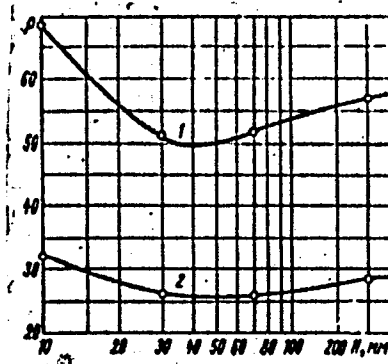


Fig. 1. Dependence of the conditionality, rho, on the height of the scintillator, H.

1 - matrix spacing E = 0.5 Mev, n = 19
2 - matrix spacing E = 1 Mev, n = 9

Card 3/3

mg S

L 15735-66 EWT(1)/EWA(h)

ACCESSION NR: AT5023165

UR/2892/65/000/004/0141/0142

AUTHOR: Fedorov, V. A.; Doroshenko, G. G.

58
B+

TITLE: Sensitive amplitude discriminator based on transistors

SOURCE: Moscow. Inzhenerno-fizicheskiy Institut. Voprosy dozimetrii i zashchity ot izlucheniya, no. 4, 1965, 141-142

TOPIC TAGS: transistorized circuit, semiconductor device, pulse amplitude

ABSTRACT: The article proposes the design of a sensitive amplitude discriminator with a short recovery time made of semiconductor elements as shown in enclosure 01. A special feature of the circuit is the use of the transistor emitter junction T_3 as one of the elements of a nonlinear quadripole in the reverse positive coupling circuit. The diodes D_1 , D_2 , and D_4 together with the emitting followers T_2 and T_4 make it possible to achieve the required fast action of the circuit while maintaining its high sensitivity. Practical testing of the circuit has shown that it is easily possible to attain a threshold on the order of 5 mv. The

Card 1/3

L 15795-66
ACCESSION NR: AT5023165

recovery time in this case was 0. 1 microseconds. Orig. art. has: 1 figure

ASSOCIATION: None

SUBMITTED: 00

NR REF SOV: 002

ENCL: 01

SUB CODE: 09

OTHER: 001

Card 2/3

L 28357-66 EPF(n)-2/EWA(h)/EWT(m) JD

ACC NR: AP6001697

SOURCE CODE: UR/0089/65/019/005/0460/0462

AUTHOR: Doroshenko, G. G.; Fedorov, V. A.; Leonov, Ye. S.

ORG: None

TITLE: Changes in fast-neutron spectrum after passages through aluminum, paraffin and water

SOURCE: Atomnaya energiya, v. 19, no. 5, 1965, 460-462

TOPIC TAGS: fast neutron, neutron spectrum, nuclear shielding

ABSTRACT: An attempt was made to investigate the fast-neutron spectra in thick aluminum, paraffin and water layers. A Po - Be source was used, being placed in a paraffin collimator with a 48-degree aperture angle. The investigated 70 x 70 cm sheets of aluminum and paraffin were placed at 25 cm from the source. The thickness of the aluminum layer was 44 cm, while the paraffin layer was 45 cm thick. The water layer thickness was 40 cm. The results of experiments were illustrated by three graphs. The first graph shows the fast neutron spectra before shielding and then after passing the aluminum layer. The interaction cross-section between neutrons and aluminum nuclei is also graphically illustrated. Similar

Card 1/2

UDC: 539.125.25

L 28357-66

ACC NR: AF6001697

curves were obtained for the paraffin layer. The third set of curves shows the fast neutron behavior in water and the interaction of neutrons with oxygen nuclei. A good coincidence in five structures was obtained for spectra before and after passing the aluminium shielding. As to the paraffin layer, the spectral-line shape was determined by the interaction between neutrons and carbon nuclei. Orig. art. has: 3 graphs.

SUB CODE: 20 / SUBM DATE: 6Feb65 / ORIG REF: 009 / OTH REF: 001

Card 2/2 CC

DOROSHENKO, G.L.

Thrombocyte content in peripheral blood in various duodenal and bile ducts diseases and effect on thrombocytopenia of the duodenal juice taken from patients with biliary and duodenal diseases. Klin. med., Moskva 30 no. 6:54-56 June 1952. (CML 22:5)

1. Of the Department of Hospital Therapy (Head -- Prof. N. M. Ivanov), Stavropol' Medical Institute (Director -- Docent P. V. Polosin).

DOROSHENKO, G.L.

USSR/General Biology. General Histology

B-3

Abstr Jour : Ref Zhur - Biol., No 22, 1958, No 98381

Author : Doroshenko G.L.
Inst : Stavropol Medical Institute
Title : Cytological Picture of Effusion in Serous
Cavities in Course of Various Diseases

Orig Pub : Uch. zap. Stavropolsk. med. in-ta, 1957, vyp.
I, 43-48

Abstract : Effusions into serous cavities of different
etiology were studied in 48 patients. Cyto-
logical specimens by deposition of formed ele-
ments on cover glasses. According to the pro-
ponderance of one or other of the cell elements,
author divides effusions into lymphocytic, neutro-
philic, eosinophilic, hemorrhagic, mononuclear
and mixed. In some effusions there was a large
quantity of fibroblasts and mesothelial cells.
In the effusions with cancer etiology, atypical

Card : 1/2

USSR/General Biology. Cytology. General Cytology. B-2

Abs Jour : Ref Zhur-Biol., No 16, 1958, 71520

Author : Doroshenko, G. L.
Inst : Stavropol Medical Institute.
Title : Amitotic Division and Neutrophilic Changes in
the Exudates of Serous Cavities.

Orig Pub : Uch. zap. Stavropol'sk. med. in-t, 1957,
vyp. 1, 49-56

Abstract : Precipitate preparations, prepared by the Re-
vutskaya method from serous exudate of 43 pa-
tients, served as material for investigation,
as well as smears from precipitates of centri-
fuged liquids. Amitotic division of neutrophils
is described in 9 cases. Transitional forms were
found from neutrophils to monocytoïd forms, poly-

Card : 1/2

USSR / General Biology. Cytology. General Cytology. B

Abs Jour : Ref Zhur - Biologiya, No 4, 1959, No. 14294

of the cytoplasm's granularity characteristics
were observed. -- V. V. Polovtsova

Card 2/2

DOROSHENKO, G. L. , Cand Med Sci -- (diss) " On amitotic
division and changes of certain cellular elements in exudates
of sero^{US} cavities in various diseases." Khar'kov, 1958. 19 pp
(Khar'kov State Med Inst) 250 copies.

(KL, 12-58, 102)

-84-

DOROSHENKO, G.L., kand. med. nauk

Treatment of chronic myelo- and lympholeukemia with
thiophosphamide. Uch. zap. Stavr. gos. med. inst. 12:
418-419 '63. (MIRA 17:9)

1. Kafedra gospital'noy terapii (zav.-prof. I.N. Sergiyenko)
Stavropol'skogo gosudarstvennogo meditsinskogo instituta.

INFOCHLENKO, G.I.

Case of agranulocytosis degenerating into pancytopenia
following the administration of vaccine from the Scientific
Research and Experimental Serological Institute. Izv. gosnat.
i perel. krevi 9 no.4:45-46. Ap 1962.

1. Kafedra gospital'noy terapii (zav. - prof. N. G. Gerasimko)
Stavropol'skoye meditsinskoye Institut.

DOROSHENKO, G.L.; PLYASOVA, L.N. (Stavropol'-na-Kavkaze)

Treatment with sarcolysine of myelomic disease. Vrach.delo.no.10:
145-146 0 '62. (MIRA 15:10)

1. Terapevticheskoye otdeleniye (zav. - kand.med.nauk G.L.
Doroshenko) III gorodskoy bol'nitsy, Stavropol'-na-Kavkaze.
(SARCOLYSINE) (MARROW--CANCER)

NIKOLAYENKO, A.T.; DOBOSHENKO, G.N.; FAYNERG, G.S.

Selecting flushing methods in boring mine shafts. Ugol' 30
no.11:11-13 N '55. (MLRA 9:2)

1.Vsesoyuznyy nauchno-issledovatel'skiy institut organizatsii
montazha shakhtestroytel'stva.
(Shaft sinking)

VITRIK, D.I., red.; BESSMERTNYI, A.S., red.; DOROSHENKO, G.N., red.;
ZELINSKIY, V.M., red.; KOKSHENEV, B.G., red.; SLAVUTSKIY, S.M.,
red.; SHISHOV, Ye.L., red.; SHKABARA, M.N., doktor geolog.-
mineral.nauk, red.; VOLOVICH, M.Z., red.izd-va; BERESLAVSKAYA,
L.Sh., tekhn.red.; NADBINSKAYA, A.A., tekhn.red.

[Studies in mine construction] Issledovaniia po shakhtnomy
stroitel'stvu. Moskva, Ugletekhnizdat, 1958. 213 p. (MIRA 12:3)

1. Kharkov. Vsesoyuznyy nauchno-issledovatel'skiy institut
organizatsii shakhtnogo stroitel'stva.
(Mining engineering)

DOROSHENKO, G.N., inzh.; FAYNBERG, G.S., inzh.

Performance of rock air hoists on clay solutions. Shakht. stroi.
no.2:19-22 '58. (MIRA 11:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut organizatsii i
mekhanizatsii shakhtnogo stroitel'stva.
(Air-pump)

DUBININ, N.N., kand.tekhn.nauk; DOROSHENKO, G.N., kand.tekhn.nauk;
KOTLYAEVA, A.V., inzh.; KRUGLYAKOVA, M.D., inzh.; VOLOVICH,
CHEKHOVSKAYA, T.P., red.izd-va; SHKLYAR, S.Ya., tekhn.red.

[Shaft sinking in the U.S.S.R. and in foreign countries] Opyt
prokhodki stvolov shakht v SSSR i za rubezhom. Moskva, Gos.
nauchno-tekhn.izd-vo lit-ry po gornomu delu, 1960. 257 p.
(MIRA 13:11)

1. Kharkov. Ukrainskiy nauchno-issledovatel'skiy institut
organizatsii i mekhanizatsii shakhtnogo stroitel'stva.
(Shaft sinking)

CHEL'TSOV, Mikhail Ivanovich; SLOBODKIN, Dmitriy Savvich; FADEYEV, Yevgeniy Ivanovich; SKIRGELLO, Ol'gerd Boleslavovich; POLYAK, Aron L'vovich; ZHUK, Boris Vasil'yevich; POLYAKOV, Nikolay Mikhaylovich; NIKOLAYENKO, Aleksey Timofeyevich; FAYNBERG, Grigoriy Solomonovich; YUDITSKIY, Grigoriy Israilevich; DORO-SHENKO, Grigoriy Nesterovich; TRUPAK, N.G., prof., doktor tekhn. nauk, obshchiy red.; SMIRNOV, L.V., red.isd-va; KONDRAT'YEVA, M.A., tekhn.red.

[Handbook on special methods of shaft sinking] Spravochnik po prokhodke stvolov shakht spetsial'nymi sposobami. Moskva, Gos. nauchno-tekhn.isd-vo lit-ry po gornomu delu, 1960. 383 p. (MIRA 13:4)

(Shaft sinking)

DOROSHENKO, G.V.

Improving the storage of sugar beets by drying them with infrared rays. Sakh.prom.30 no.11:64 N '56. (MLRA 10:2)

1. Voronezhskiy skhvektrest.
(Sugar beets--Storage) (Infrared rays--Industrial applications)

DOROSHENKO, I.I.

Migrating nodular cardiac rhythm. Vrach. delo 4:129-130 Ap '62.
(MIRA 15:5)

1. Kafedra fakul'tetskoy terapii (zav. - prof. B.S.Shklyar [deceased])
Vinnitskogo meditsinskogo instituta.
(HEART BEAT)

- DOROSHENKO, Ivan Maksimovich; LEYHEL'MAN, Mikhail Yakovlevich;
MERMAN, A.L., red.; SEVRYUKOV, P.A., tekhn.red.

[Kursk Province in the seven-year plan] Kurskaia oblast'
v semiletke. Kursk, Kurskoe knizhnoe izd-vo, 1960. 91 p.
(MIRA 14:1)

(Kursk Province--Economic policy)

DOROSHENKO, Ivan Trofimovich

[Tuberculosis of the larynx] Tuberkulez gortani. Kalinin,
Kalininskoe knizhnoe izd-vo, 1957. 13 p. (MIRA 13:5)
(LARYNX--TUBERCULOSIS)

DOROSHENKO, Ivan Trofimovich

[Cancer of the larynx; a popular essay] Rak gortani; nauchno-
populiarayi ocherk. Kalinin, Kalininskoe knizhnoe izd-vo, 1957.
19 p. (MIRA 13:5)

(LARYNX--CANCER)

KOROVITSKIY, L.K.; TSUVERKALOV, D.A.; ZARETSKAYA, I.V.; DOROSHENKO, K.G.;
TATOMIR, L.G.

Skin allergy test in dysentery and its diagnostic significance.
Zhur. mikrobiol. epid. i immun. no.12:76-81 D '54. (MLRA 8:2)

1. Is kliniki infeksionnykh bolesney (sav. prof. L.K.Korovitskiy)
i kafedry biokhimii (sav. prof. D.A.TSuverkalov) Odesskogo meditsin-
skogo instituta imeni N.I.Pirogova (dir. I.Ya.Diyneka)

(DYSENTERY, diagnosis,
allergic skin test)

(ALLERGY, diagnosis,
skin tests, diag. value in dysentery)

DOBOCHENKO, E. G.

DOBOCHENKO, E. G. -- "Application of Therapeutic Physical Culture in the Site Treatment of Brucellosis."*(Dissertation defended in Science and Engineering Defended At USSR Higher Educational Institutions)(29) Odessa State Medical Institute N. S. Pirogov, Odessa, 1955

FC: Enzhneya Letopis' No 29, 16 July 1955

* For the Degree of Candidate in Medical Sciences

KOROVITS'KIY, L.K.; TSUVERKALOV, D.A.; DOROSHENKO, K.G.; ZARITS'KA, I.V.

Using the allergy skin test for diagnosing dysentery. Report no.2.
Mikrobiol.shur. 18 no.1:34-40 '56. (MLRA 9:7)

1. Z Odes'kogo derzhavnogo medichnogo institutu imeni M.I.Pirogova.
(DYSENTERY--DIAGNOSIS) (ALLERGY)

DOROSHENKO, K.P.; BOYKO, M.F.

Aesthetic features of the party factor in art ("On beauty in art"
by A. Trypil's'kyi. Reviewed by K.P. Doroshenko, M.F. Boiko). Dop.
AN URSR no.10:1446-1449 '60. (MIRA 13:11)
(Art--Philosophy) (Trypil's'kyi, A.)

BERLIN, S.S.; DOROSHENKO, L.A.; VORONOVA, L.A.; NEVEROVSKA, V.O.
[Neverovs'ka, V.O.]; ROYF, M.M.

Proposals of efficiency promoters. Leh. prom. no.2:63-65
Ap-Je '63. (MIRA 16:7)

(Technological innovations)

STRELETSKIY, Yu.O. [Strielets'kiy, IU.O.]; BERLIN, S.S.; DOROSHENKO, L.A.;
MARTINOVSKIY, Yu.P. [Martynovs'kiy, IU,P,]

"Roza Liuksemburh" Knit Goods Factory in Kiev. Leh.prom. no.3:
62-65 JI-S '63. (MIRA 16:11)

DOROSHENKO, K. T., KOROVITSKIY, L. K.

"Cutaneous allergic tests in dysentery depending on the character and duration of the disease."

report submitted at the 13th All-Union Congress of Hygienists, Epidemiologists and Infectionists, 1959.

DOROSHENKO, Ivan Trofimovich

[What one should know about angina; diagnosis, treatment and prevention] Chto nado snat' ob angine; raspoznavanie, lechenie i preduprezhdenie. Kalinin, Kalininskoe knizhnoe izd-vo, 1957.
10 p. (MIRA 13:2)

(TONSILS--DISEASES)

DOROSHENKO I.G.

Immunological and toxic changes in experimental homotransplantation
of the skin. Genet. i perel. krovi 1:154-155 '65.

1. L'vovskiy institut perelivaniya krovi.

(MIRA 18:10)

MAKHMURYAN, T.D., starshiy nauchnyy sotrudnik; ARZUMANYAN, G.A., starshiy
nauchnyy sotrudnik; DOROSHENKO, L.M., vrach.

Cytologic diagnosis of cancer of the cervix uteri. Vop. rent.
i onk. 7:349-356 '63 (MIRA 17:7)

BEREZHANSKIY, Kost' Petrovich [Berezhasn'kyi, K.P.]; DOROSHENKO, M., red.;
NEDOVIZ, S., tekhn. red.

[New horizons] Novi horyzonty. L'viv, Kryzhkogo-zhurnal'ne vyd-
vo, 1960. 41 p. (MIRA 14:12)

(Ukraine—Collective farms)

PASHUK, Andrey Iosipovich; DEREKACH, Ivan Stepanovich; ZHELTOVSKIY, P.;
DOROSHENKO, M., red.; GAPON, Yu., tekhnred.

[Lvov; a guidebook] L'vov; putevoditel'. L'vov, Knyzhno-
zhurnal'noe izd-vo, 1960. 142 p. (MIRA 14:2)
(Lvov--Guidebooks)

SUKHOMLINA, Z.I.; VITVITSKIY, M. [Vitvits'kyi, M.], red.; DOROSHENKO, M.,
red.; NEDOVIZ, S., tekhn. red.

[Useful advice] Knyzhkovo-zhurnal'ne vyd-vo, 1961. 182 p.
(Cookery) (House furnishings) (MIRA 14:10)

PANEVIN, Vladimir Semenovich; POTUL'NITSKIY, Nikolay Mikhaylovich
[Potul'nyts'kyi, M.M.]; DOKOSHENKO, M., red.; NEDOVIZ, S.,
tekhn. red.

[Standard-bearers of communist labor] Praporonostsi komuni-
stychnoi pratsi. L'viv, L'vivs'ke knyzhkovo-zhurnal'ne vyd-
vo, 1961. 53 p. (Lvov--Drug industry) (MIRA 15:11)

GURGAL', Vladimir Iosifovich [Gurhal', V.O.], Geroy Sotsialisticheskogo Truda, tokar'; DOROSHENKO, M., red.; BURKATOVSKAYA, TS. [Burkatovs'ka, TS.]; tekhn. red.

[Twenty days beyond the ocean] 20 dnyv za okeanom. L'viv, Knizhkovozhurnal'ne vyd-vo, 1962. 38 p. (MIRA 15:11)

1. L'vovskiy mashinostroitel'nyy zavod (for Gurgal').
(Canada--Description and travel)
(United States--Description and travel)

YATSYSHIN, Bogdan Ivanovich [Yatsyshyn, V.I.]; DOKOSHENKO, E.,
red.

[Weeds and their chemical control] Bur'iany i khimichna
borot'ba z nyuy. L'viv, Knyzhkovo-zhurnal'ne vyd-vo.
1963. 63 p. (BIPA 1719)

L 3085-66 EWT(m)/EWA(d)/EWP(t)/EWP(z)/EWP(b)/EWA(h) IJP(c) MJW/JD

ACCESSION NR: AP5021986

UR/0286/65/000/014/0061/0061
621.791.856.3

33
B

AUTHOR: Rabkin, D. M.; Ryabov, V. R.; Yumatova, V. I.; Doroshenko, M. T.

TITLE: Method of automatic argon-shielded arc welding of high-strength aluminum alloys. Class 21, No. 172931 27

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 14, 1965, 61

TOPIC TAGS: aluminum alloy, magnesium containing alloy, high strength alloy, alloy welding, arc welding, shielded arc welding, automatic welding/AMg6 aluminum alloy 4

ABSTRACT: This Author Certificate introduces a method of automatic argon-shielded arc welding of high-strength aluminum alloys of the AMg6 type to steel. The steel part is aluminized before welding. According to this method, the arc path is shifted to the aluminum side and the filler wire path to the steel side. In a modification of the method, the edges of the steel part are leveled on both sides at an angle of 70-75 deg without leaving a root face. [MS]

ASSOCIATION: Institut elektrosvariki im. Ye. O. Patona AN UkrSSR (Electric Welding Institute, AN UkrSSR)

Card 1/2

L 3085-66

ACCESSION NR: AP5021986

SUBMITTED: 24Apr64

NO REF SOV: 000

ENCL: 00

OTHER: 000

SUB CODE: MM

ATD PRESS: 4104

0

beh

Card 2/2

DOROSHENKO, N. A.; ZELENIKO, T. V; POPOV, V. F.; ROKHLIN, A. G.; BARIT, G. Yu.

Technology of Construction of Shipboard Machines Part II. (Tekhnologiya Sudovovo Mashinostoyeniya). Scientific-Technical Press for Machine Building and Shipbuilding Literature (MashGiz), Moscow-Leningrad, 1954. 300 pp. Illustr.

Book D198267, 24 Jan 55

DOROSHENKO, N.I., Inzh.

Simplified method for composing diagrams of three-phase two-layer
windings with a fractional number of slots per pole and phase.
Elektrotehnika 35 no.10:48 0 '64.

(MIRA 17:11)

BAEYSHEVSKIY, I.M.; KAPEL'IN, A.I.; DROYAN, R.L.; KAPOSHENKO, N.I.;
OSIPOVA, N.A.

Oil-free KO¹ binder. Lit. proizv. no.2:11-13 P '65.

(MIRA 18.6)

BARYSHEVSKIY, L.M.; DOROSHENKO, N.I.; DRUYAN, R.L.; OSIPOVA, N.A.; SAPELKIN, A.I.

Using the KO oilless binder for preparing core mixes. *Biul.tekh.-ekon.*
inform.Gos.nauch.-issl.inst.nauch.i tekhn.inform. 18 no.5:39-42 My '65.
(MIRA 18:6)

УДКУС ПЕНКУ, М.Л.

D'YAKONOV, V.K.; DOROSHENKO, N.L.; KOMPANEYETS, A.A.; TSARENKO, A.P.,
redaktor; VEHINA, G.P., ~~tekhnicheskiy~~ redaktor.

[Organizing the work of locomotive crews using job designation
time schedules on the Southwestern Railroad Line] Opyt organi-
zatsii raboty lokomotivnykh brigad po imennym raspisaniyam na
Iugo-Zapadnoi doroge. Moskva, Gos. transp. shel-dor. izd-vo,
1954. 75 p. (MIRA 7:12)

(Railroads--Train dispatching) (Locomotives)

GRISHKO, A.G., inzh.; DOROSHENKO, N.M.

Making keramzit from the clays of the Kharkov brick factories. Sbor.
trud. IUZHNII no.2:28-38 '59. (MIRA 13:9)

1. Khar'kovskiy filial Nauchno-issledovatel'skogo instituta stroitel'-
nykh materialov i izdeliy Akademii stroitel'stva i arkhitektury USSR.
(Clay) (Aggregates (Building materials))

BEKISHEV, I.S., inzh; DOROSHKOV, N.M., inzh.

The new S-868 mixer. Stroil. i dor. mash. 10 no.l:16-17 Ja '65
(MIRA 18:2)

L 38719-66

ACC NR: AR6014195

SOURCE CODES: UR/0271/65/000/011/B018/B018

AUTHOR: Doroshenko, N. P.

11/1

TITLE: Ring counter designed with 2-grid hot-cathode thyratrons

SOURCE: Ref. zh. Avtomatika, telemekhanika i vychislitel'naya tekhnika, Abs. 11B153

REF SOURCE: Uch. zap. Penzensk. politekhn. in-t, vyp. 1, 1964, 17-25

TOPIC TAGS: pulse counter, computer component

ABSTRACT: New thyatron-type ring counters are described. A principal circuit diagram and a time operation diagram of a cathode-coupled decimal counter with TG1-01/1,3 2-grid thyratrons are presented. Ring counter circuits with anode couplings and cathode quenching capacitors are considered. Time operation is determined. As the speed of operation of thyatron counters is low, their application is expedient to such systems which require not high speed but rather low-resistance output. Seven figures. Bibliography of 3 titles. V. M. [Translation of abstract]

SUB CODE: 09

Card 1/1 *SV*

USSR/ Farm Animals. Small Horned Stock.

Q

Abs Jour: Ref Zhur-Biol., No 9, 1958, 40472.

Author : ~~Doroshenko, N. Ya.~~

Inst : Not given.

Title : Corn in the Summer Feeding of Sheep.

Orig Pub: Ovtsevodstvo, 1956, No 9, 41-43.

Abstract: The influence of different feed supplements, as an addition to feeding on pasture, on the weight gain of ewes was studied. The use of green corn as feed supplement, 1kg. daily per ewe, produced a diurnal weight gain of 163 g. per head; the supplementation of feeds with early silage (0.5 kg. daily) brought about a weight increase of 133 g. The sheep not receiving feed supplementation had a weight gain of 90 g. only. The ex-

Card 1/2

USSR/Farm Animals - Small Horned Stock

Q

Abs Jour : Ref Zhur - Biol., No 15, 1958, 69338

Author : ~~Doroshenko, N.Ye.~~

Inst : -

Title : New Trends in the Utilization of Corn for Sheep

Orig Pub : Zhivotnovodstvo, 1957, No 6, 70-73

Abstract : It is expedient to sow corn for green feed in combination with legumes: soybean, vetch and sweet clover (*Melilotus alba*). Optimal ration of corn silage in combination with legume hay is 2.5 kg daily per ewe. Corn can be introduced into a mixture of concentrates up to 80%. The remaining 20% must be filled up by oilcake meals.

Card 1/1

USSR/Farm Animals - Small Horned Stock

Q

Abs Jour : Ref Zhur - Biol., No 15, 1958, 69339

Author : Doroshenko, N.Ya.

Inst : -

Title : Corn in Winter Feeding of Sheep

Orig Pub : Ovtsevodstvo, 1957, No 12, 29-31

Abstract : It was established that 40-45% of roughage in the rations of sheep can be replaced by corn silage. Corn chops should be fed to adult ewes in the amount of 0.1-0.4 kg, in fattening 0.7-0.8 kg, and to young sheep before shedding 0.03-0.2 kg; from the time of shedding to one year of age, 0.2-0.35 kg. Model feed rations including corn for Fine-wool Sheep of the meatwool type are given.

Card 1/1

- 39 -

L 43198-65 ENF(m)/EPP(n)-2/ENT(1)/ENT(m)/EHA(d)/EHP(w) Pd-1/Pu-4 FM/WW

ACCESSION NR: AP5009637

UR/0293/65/003/002/0208/0220

AUTHOR: Mikishov, G. H.; Nevskaya, Ye. A.; Mal'nikova, I. M.;
Dorozhkin, N. Ya. 36
B

TITLE: An experimental study of disturbed motion of a solid body having cavities partially filled with liquid

SOURCE: Kosmicheskiye issledovaniya, v. 3, no. 2, 1965, 208-220

TOPIC TAGS: rocket dynamics, liquid fuel rocket engine, fuel sloshing, hydrodynamic coefficient

²⁶
ABSTRACT: This article is a study of the dynamics of a rigid body having cavities partially filled with liquid by means of experimental methods. The experimental studies are based on mechanical models having cavities with shapes and locations (with respect to the center of mass) geometrically similar to the original system. An analysis of the similarity criteria indicates that physical simulation can be used in studying this kind of problem. All possible trends in such experimental studies are analysed. One experimental method developed by the authors for determining hydrodynamic coefficients (natural

Card 1/2

L 43198-65

ACCESSION NR: AP5009637

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frequencies of the oscillation of a liquid, apparent masses) is presented. The mechanical model is described and the procedure for measuring certain parameters and obtaining final values of the hydrodynamic coefficients is presented. It is indicated that, in general, the method presented gives good results when the logarithmic decrement of the damping oscillations of the liquid is smaller than 0.2. However, in many cases, it can be used when the logarithmic decrement exceeds that value. As an illustration, dimensionless hydrodynamic coefficients determined by the experimental method are presented for bodies having cavities of the form of a circular cylinder with a flat bottom, sphere, and torus and compared with theoretical results given in the article by B. I. Rabinovich and others (Kosmicheskiye issledovaniya, v. 3, no. 2, 1965, 179-207). The comparison of results shows that for the majority of hydrodynamic coefficients, the theoretical results agree well with experimental results. Orig. art. has: 21 figures and 12 formulas. [LK]

ASSOCIATION: none

SUBMITTED: 06Mar64
NO REF SOV: 007

ENCL: 00
OTHER: 006

SUB CODE: AS, ME
ATD PRESS: 3242

Card 2/2 mb

DOROSHENKO, O.P. (Khar'kov):

"On the design of optimum combined systems."

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

DOROSHENKO, P. A.

Montazh sudovykh odotrubnykh korlov. (Leningrad), Gosudarstvennoe
Izdatel'stvo Sudostroitel'noy Literatury, 1952. pp. 88, diags.,
23 x 15; brown and blue boards.

BARIT, G.Yu.; DOROSHENKO, P.A.; ZELENIKO, T.V.; POPOV, V.F., professor,
doktor tekhnicheskikh nauk; ROKHLIN, A.G.; POMORSKIY, A.M., inzhener,
retsensent; KAYDALOV, L.A., inzhener, retsensent; GLAZOV, G.A., inshener,
retsensent.

[Technology of machine construction on ships.] Tekhnologiya sudovego
mashinostroeniya. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit.
i sudostroit. lit-ry. Pt. 1. 1954. 455 p., Pt.2. 1954. 303 p.
(Marine engines) (Steam boilers, Marine) (MLRA 7:7)

~~11(4)~~ 11.5000

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S/019/60/000/04/146/315
D03E/D006

AUTHORS: Butkov, N. A., Kazmina, Ye. A., Korchagina, G. V.,
Doroshenko, P. A., Karandashev, D. S., Somov, V. A.,
Sukhorukov, P. A., Ivanov, P. I. and Belov, V. I.

TITLE: An Additive for Liquid Fuels

PERIODICAL: Byulleten' izobreteniy, 1960, Nr 4, p 32 (USSR)

ABSTRACT: Class 23c, 2. Nr 126211 (597835/23 of 21 April 1958). To improve the qualities of the fuel, the additive is a narrow fraction of green oil consisting of a mixture of naphthalene di-derivatives with an admixture of naphthalene and other homologous compounds without high-molecular resinous substances.

Card 1/1

H

DEKOSHENKO, Pavel Aleksandrovich; GOLOMB, A.S., inzh., retsuzent;
KHRYAPCHENKOV, A.S.; Kana. tekhn. nauk, retsuzent;
KHAVKIN, A.Ye., nauchn. red.; SERGEEV, Yu.I., red.

[Manufacture of marine boilers and heat exchangers; materials
and technology] Proizvodstvo sudovykh kotlov i teploobmennykh
apparatev; materialy i tekhnologiya. Leningrad, Sudostroyeniye,
1964. 219 p. (MIRA 18:3)

R

~~DOI OSHENKO, P.G.~~; GLAZKOV, V.I., redaktor; MARTYNOVA, M.P., vedushchiy redaktor; TROFIMOV, A.V., tekhnicheskiiy redaktor

[Manual on electric measurements and protection of pipelines from corrosion caused by vagrant currents] Rukovodstvo po elektricheskim izmereniyam i sashchite truboprovodov ot korrozii, vyzyvayemoi bluzhdaiushchimi tokami. Moskva, Gos.nauchno-tekhn. izd-vo nefiisnoi i gorno-toplivnoi lit-ry, 1956. 41 p. (MIRA 9:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po stroitel'stvu VNIISTroineft'.

(Electric currents, Vagrant)

(Electrolytic corrosion)

DOROSHENKO, P.G., inzhener. (Moskva)

Apparatuses for protecting pipelines against corrosion caused
by stray currents , Stroi.pred.neft.prom. 1 no.3:8-10 My '56.
(MIRA 9:9)

(Petroleum--Pipelines) (Electrolytic corrosion)

Doroshenko, P.G.

34(5) PHASE I BOOK EXPLANATION 80W/1882
Vozrastuzhaya sverkhzashchity po korrozii i sashchitnye metalliv.
6th, Moscow, 1956

Teoriya i praktika protikorroziionnoy sashchity podzemnykh
sooruzheniy; teoriya sverkhzashchity (teoriya i aplikatsiya)
Anti-corrosion Measures of Subterranean Installations; Trans-
actions of the 6th All-Union Conference on Corrosion and
Protection of Metals, Moscow, 1956. 273 p. Khrata aliq
inserted. 3,000 copies printed.

Sponsoring Agency: Akademiya nauk SSSR, Institut fizikohehmy
Mikhail. Lomozhaya po bor'be s korrozivny metalliv.
Mikhail. Lomozhaya, Candidate of Technical Sciences;
A.P. Lomozhaya, Candidate of Chemical Sciences; N.I. Kuznetsov,
Candidate of Chemical Sciences; I.V. Shchegolev, Candidate
of Technical Sciences; M.D. Tomshov, Professor, Doctor of
Chemical Sciences; and P.V. Shchegolev, Candidate of Chemical
Sciences.

Card 1/4

PHASE I: The book is intended for chemists, engineers, and
metalurgists concerned with the problem of metal corrosion
in underground installations.

CONTENTS: The book contains the papers read at the All-Union
Conference of the Committee on the Control of Corrosion of
the Academy of Sciences, USSR, held in May, 1956. The
following scientific and technical problems discussed at
the conference received particular attention: 1) theory
of metal corrosion underground (M.D. Tomshov and S.I.
Kuznetsov); 2) theory, calculation, and practical application
of cathodic and anodic protection of underground installa-
tions (A.P. Lomozhaya, Y.M. Yermolov, V.G. Kotik, V.V. Krasnozharov,
and A.M. Tebkin); 3) study of the anticorrosive properties
and the improved technology in manufacturing and applying
protective coatings to subterranean metallic installations
(M.D. Tomshov, V.I. Zhukov, M.D. Dzhafarov, and V.S.
Krasnozharov); 4) prevention of stray current corrosion (I.V.
Shchegolev, S.G. Tomshov, P.G. Doroshenko, and
M.D. Tomshov); 5) development of methods for determining
the corrosion activity of soils (Yu. N. Kuznetsov); 6) con-
crete examples of corrosion and protection of underground
installations (S.G. Vedenskaya and V.S. Krasnozharov); 7) A. Pritula,
and S.S. Popov). There are 161 references, 128 of which are
Soviet, 30 English, and 3 German.

Card 2/4

L.I. Gerdzhinski; 5) development of methods for determining
the corrosion activity of soils (Yu. N. Kuznetsov); 6) con-
crete examples of corrosion and protection of underground
installations (S.G. Vedenskaya and V.S. Krasnozharov); 7) A. Pritula,
and S.S. Popov). There are 161 references, 128 of which are
Soviet, 30 English, and 3 German.

TABLE OF CONTENTS:
Krasnozharov, V.V. The Problem of Determining the
Cross-over Resistance of the Protective Insulation
Coating in Underground Pipelines 100

Shchegolev, I.V. Distribution of Potentials in the
Rail-Soil-Underground Installation System in
Leakage Protection 108

Tomshov, M.D. Leakage of Current in the Rail
Network of Electrified Railroads and an Analysis
of Methods Used for Limiting It 109

Shchegolev, P.G. Electrical Protection of Frank
Pipelines Against Stray Currents 118

Gerdzhinski, A.I. Protection of the Moscow Under-
ground Pipelines Against Corrosion Caused by Stray Currents 127

Card 3/4

GLAZKOV, Vsevolod Ivanovich, inzh.; DOROSHENKO, Petr Grigor'yevich,
inzh.; KOTIK, Viktor Gerasimovich, inzh.; TSIKBERMAN, L.Ya.,
red.; SOLGANIK, G.Ya., vedushchiy red.; MUKHINA, E.A., tekhn.
red.

[Protection of main pipelines against underground corrosion]
Zashchita magistral'nykh truboprovodov ot podzemnoi korrozii.
Moskva, Gos.nauchno-tekhn.isd-vo nef. i gorno-toplivnoi lit-ry,
1960. 244 p. (MIRA 13:7)

(Pipelines--Corrosion)

DOROSHENKO, P.G., inzh.; RESHETNIKOV, G.I.

Technical and economic analysis of methods of electric protection from corrosion. Stroi.truboprov. 7 no.9:28-30 S '62.

(MIRA 15:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po stroitel'stvu magistral'nykh truboprovodov (for Doroshenko). 2. Gosudarstvennyy proyektno-izyskatel'skiy institut po proyektirovaniyu elektrifikatsii dorog i energeticheskikh ustanovok (for Reshetnikov).
(Electrolytic corrosion)

DOROSHENKO, P.G., kand. tekhn. nauk

Investigating devices for protecting pipelines from corrosion
caused by eddy currents. Trudy VNIIST no.17:127-161 '63.

(MIRA 18:3)

DOROSHENKO, P.I.

Changes in characteristics of sweet clover as a result of
injecting a foreign sap. Agrobiologiya no.4:621-623 J1-Ag
'65. (MIRA 18:11)

1. Veselopodolyanskaya opytno-selektionnaya stantsiya.

DOROSHENKO, F.N.

Some indicators of the dynamics of the course of acute tonsillitis.
Zhur.ush., nos. 1 gorl. bol. 24 no.5:58-60 S-0 '64.

(MIRA 18 3)

1. Iz otdela professional'noy patologii otorinolarinykh logicheskikh
organov Nauchno-issledovatel'skogo instituta otolaringologii
Ministerstva zdravookhraneniya UkrSSR (dir. - zasluzhennyy deystel'
nauki prof. A.I.Kolomiychenko).

DCROSHENKO, P.S.

Cutting grooves in chessboard order for tapping pines with the help of chemicals. *Gidroliz. i lesokhim. prom. 14 no.5:19-20 '61.*

(MIRA 16:7)

1. Kombinat "Bratskles."

(Irkutsk Province—Turpentine)

DOROSHENKO, P.S.; VERGUZOV, P.S.

Two year's experience in the turpentineing of larch in Western
Siberia. *Gidroliz. i lesokhim.prom.* 15: no.1:24-27 '62. (MIRA 18:3)

1. Kombinat "Bratskles" (for Doroshenko). 2. Sredne-Iyskoye
lesokhimicheskoye khozyaystvo (for Verguzov).

DOROSHENKO, P.V.

112-2-3592

Translation from: Referativnyy Zhurnal, Elektrotehnika, 1957,
Nr 2, p.157 (USSR)

AUTHOR: Glazkov, V.I., Kotik, V.G., Doroshenko, P.V.

TITLE: Experience in Electrically Protecting Main Pipe Lines
from Soil Corrosion (Opyt primeneniya elektrozashchity
magistral'nykh truboprovodov ot podzemnoy korrozii)

PERIODICAL: Tr.Vses. n.-1. in-ta po str-vu, 1956, Nr 8, pp.97-123.

ABSTRACT: The most effective system is insulation coating combined
with electrical protection. The corrosiveness of the
ground is determined by measuring the resistivity of
the ground through 50 to 100 m. Those sections of the

Card 1/4

112-2-3592

Experience in Electrically Protecting Main Pipe Lines (Cont.)

pipe line most subject to corrosion are likewise determined by measuring the transverse potential gradient. The all purpose YKMP-55 instrument is used in making all electrical measurements on the right of way and on the pipe line. The principal means of protection against soil corrosion are cathode protection installations and other protective installations. When there are local electric networks, rectifiers are used to feed the cathode-protection installations. When there are no local networks, wind-motor or Diesel-generator units are used. These units can be operated periodically to charge storage batteries. Graphite coated and carbon electrodes are used as grounding electrodes at cathode-protection installations.

Card 2/4

112-2-3592

Experience in Electrically Protecting Main Pipe Lines (Cont.)

The electrodes are set up in an activator in order to decrease resistance to current spread. Electrodes from magnesium-base, (МЛ-4 and МЛ-5) alloys, aluminum or zinc base alloys, or of pure zinc constitute the protective shield. The electrodes are placed 3 to 6 m from the pipe line in an activator (25 per cent magnesium sulfate, 25 per cent calcium sulfate and 50 per cent clay) and are connected to the pipe line. The advantage in using them is that they do not require a source of electric energy. Direct or polarized drainage, cathode protection installations, insulating flanges or electrodes are used to protect pipe lines in stray-current zones. The polarized drainage is designed to conduct a current of 100 to 200 amperes from the pipe line to the rail only. This is done by using polarized relays and mercury interrupters. Due to the possible generation of reverse currents, the use of solid rectifiers or the low-power ПЭД-39 and РПД-42 drainage units used on underground cables is not recommended. VNII Stroyneft'

Card 3/4

Experience in Electrically Protecting Main Pipe Lines (Cont.) 112-2-3592

has developed a cathode protection installation which is automatically cut out on the appearance of stray currents and with an excessive increase of negative potential on the pipe line. Protection is improved by reducing the longitudinal resistance of the rail network and by increasing the resistance to current spread (drainage, sleeper impregnation, rubble ballast, reducing the amount of grounded metal equipment connected with the rails.

BIBLIOGRAPHY: [Unspecified] eight titles.

D.S.K.

Card 4/4

~~DOROSHENKO, Petr. Yemel'yanovich; STAROSTENKOVA, M.M., red.; TROFIMOV, A.B.,
tekhn. red.~~

[New stage in the development of the collective farm system; a
lecture] Novyi etap v razvitii kolkhoznogo stroia; lektsiia.
Moskva, Izd-vo "Znanie," 1958. 31 p. (Vsesoiuznoe obshchestvo po
rasprostraneniuiu politicheskikh i nauchnykh znani. Ser. 5, no. 10).
(Collective farms) (MIRA 11:7)

DOROSHENKO, Petr Yemel'yanovich; GREBTSOV, P.P., red.; SMIRNOVA, Ye.A.,
~~tekhn.red.~~; ~~DMIEVA~~, V.M., tekhn.red.

[Agriculture of the U.S.S.R. in 1959-1965] Sel'skoe khoziaistvo
SSSR v 1959-1965 godakh. Moskva, Gos.izd-vo sel'khoz.lit-ry,
1959. 175 p. (MIRA 12:9)
(Agriculture)

BILOSHTAN, A.P.; BOYKO, M.F.; DOROSHENKO, Ye.P. [Doroshenko, K.P.];
DOTSENKO, P.P.; KIL'CHEVSKIY, I.A. [Kil'chevs'kiy, I.O.];
MARINICHENKO, V.G. [Marynychenko, V.H.]; RAK, L.K.;
KRIVETSKIY, I.S. [Kryvets'kiy, I.S.], red.; ROMANENKO, I.N.,
red.; TRITINCHENKO, A.P. [Trytynchenko, A.P., red. inzd-va];
VIRICH, D.V. [Virych, D.V.], tekhn. red.

[Russian-Ukrainian agricultural dictionary] Rossi-'ko-ukrains'-
kyi sil'skohospodars'kyi slovnyk. Ukladachi: A.P. Biloshtan
ta inshi. Kyiv, Vyd-vo AN URSS, 1963. 438 p. (MIRA 17:3)

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korrespondent Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk
imeni V.I.Lenina (for Romaenko).

Country : USSR
Category: Cultivated Plants. Grains.

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Iss Jour: RZhBiol., No 11, 1958, No 48911

Author : Doroshenko, S.I.
Inst : Zhitomirskaya Sci. Society for the Dissemination of
Political and Scientific Knowledge.
Title : Experiments on Spring Soil Tillage for Millet
Sowing.

Orig Pub: Byul. sel's'kogo spod. inform. Zhitom. obl. vid
t-va dlya posvir. polit ta nauk znani', 1957,
No 3, 76-78

Abstract: No abstract.

Card : 1/1

S/128/61/000/001/001/009
A054/A133

AUTHORS: Doroshenko, S. P., and Zlotnikov, N. M.

TITLE: Heating risers of steel castings

PERIODICAL: Liteynoye proizvodstvo, no. 1, 1961, 1-2

TEXT: Exothermic mixtures used for heating risers usually contain up to 25 % aluminum. However, the relatively high cost of aluminum and its difficult crushing process greatly limit the large-scale application of aluminum-base exothermic mixtures. At the Kiyev mashinostroitel'nyy zavod "Bol'shevik" (Kiyev Mechanical Engineering Plant "Bol'shevik") tests were carried out to develop a new exothermic mixture without aluminum, based on charcoal. The best results were obtained with a mixture containing 80 % charcoal, 12 % saw dust, 5 % bentonite or common clay, 2 - 3 % ЦП(SP) or ЦБ(SB) type binding agents. The charcoal-base exothermic mixtures have a higher calorific value than those based on aluminum: 246 kcal per 100 g of mixture as compared with 111 kcal/100 g aluminum-base mixture. The new mixture is easy to prepare: charcoal is crushed in runners, screened through 2 x 2 mm-mesh, dry saw dust through 3 x 3 mm-mesh screens. First charcoal is crushed, then saw

Card 1/3

Heating risers of steel castings

S/128/61/000/001/001/009
A054/A133

dust added and the mixture is then stirred for 1 minute. Bentonite or clay is added next and after 3 - 5 minutes mixing one of the above mentioned binding agents is added. The total mixing time is 10 - 12 minutes. The mixture has a compression strength of 0.3 - 0.4 kg/sq cm, its tensile strength is 1.6 - 1.8 kg/sq cm and the gas-permeability in humid and dry condition 40 - 60, and more than 200, respectively. Unlike the conventional method, the new charcoal mixture is not sprinkled into the riser, but inserted in the form of a cylindrical liner which is produced in 12 standard sizes. The ramming density of the liner should be at least 40 - 50 units according to the durometer. As the liner burns out most intensively up to 2/3 of its height, this part must be made very compact. The liner is closed in order to prevent heat losses. The socket of the liner is provided with a suitable device to be fixed to the pattern during molding. The liner is fixed in the socket with a cant of 20 - 45 mm from the plane of casting. This results in a brim forming on the base of the riser and the metal collected on this brim can easily be cut off with a gas burner. Channels are formed in the liner at 35 - 40 mm intervals, in order to facilitate the removal of CO and CO₂ gases developing during the combustion of the mixture.

Card 2/3

Heating risers of steel castings

S/128/61/000/001/001/009
A054/A133

Moreover, gas can be separated through a gap (15 - 25 mm in diameter), between the liner and the socket. The liners are dried in drying chambers at 140 - 150°C, for 4 - 5 hours; their residual humidity cannot be more than 0.1 %. The finished liners can be stored 48 hours before being used. If they are used after more than two days, they have to be dried again for 1 hour. They have to be set in the risers not earlier than 2 - 3 hours before pouring. As the exothermic mixture is very hygroscopic, blisters are formed when the metal is poured into the liner, if no allowance is made for the above requirements. When pouring starts, the liner burns and attains a temperature of 1,000°C, i. e., much higher than the inflammation temperature of charcoal (250 - 300°C). At the same time, the charcoal liner acts as heat insulator, due to its low heat-conductivity. The chemical analysis of the metal poured into the charcoal liner shows that carbonization of the metal is hardly noticeable: not more than some hundredths of a percent. As regards dimensions, the ratio of height to the average internal diameter of the liner should be 1.5. As to costs it was found that the cost of charcoal mixtures is less than half that of aluminum mixtures. The savings are still higher, when the cost of crushing aluminum scrap, etc., is also taken into account. Moreover, by using charcoal exothermic mixtures, the output of good castings was increased to 80 %. There are 2 figures and 3 tables.

Card 3/3

VASHCHENKO, K.I.; DOROSHENKO, S.P.

Bonding of the fused sand crust with the casting. Lit.proizv.
no.9:24-26 S '62. (MIRA 15:11)
(Foundry chemistry)

VAJSENSKO, K.I. [Vashchenko, K.I.]; DOROSSENKO, S.P. [Doroshenko, S.P.]

On the mechanism of formation of easily detachable burnt
sand. Slevarenstvi 11 no.12:502-506 D'63.

VASHCHENKO, K.I., doktor tekhn. nauk prof.; DOROSHENKO, S.P., aspirant

Effect of alkaline additives on the formation of stickings on
iron castings. Izv. vys. ucheb. zav.; mashinostr. no.3:164-169
'64. (MIRA 17:7)

1. Kiyevskiy politekhnicheskiy Institut.

DOROSHENKO, S. S.

Category: USSR / Physical Chemistry
Thermodynamics. Thermochemistry. Equilibrium. Physico-
chemical analysis. Phase transitions.

B-8

Abs Jour: Referat Zhur-Khimiya, No 9, 1957, 29947

Author : Belyayev I. N., Doroshenko S. S.

Inst : not given

Title : Investigation of Interaction of the Sulfates and Molybdates of
Lithium and Silver in Melts

Orig Pub: Zh. obshch. khimii, 1956, 26, No 7, 1816-1820

Abstract: On the basis of data secured by the visual-polythermal method, the liquidus diagram has been plotted for the system Li, Ag // SO₄, MoO₄. Exchange reaction is shifted toward formation of Li₂SO₄-Ag₂SO₄ (stable diagonal section) more sharply than in the previously studied system Na, Ag // SO₄, MoO₄. (RZhKhim, 1954, 47827). There has been confirmed the previously stated proposition (see reference cited above) concerning the direction of exchange reaction, in sul-

Card : 1/2

-65-