

SEMOTAN, Jiri

Mental hygiene in the works of J.A.Komensky. Cesk. psychiat. 57
no.3:156-163 '61.

1. Psychiatricka lecebna v Praze 8.
(MENTAL HYGIENE)

SEMOTANOVA, M.

Hooliganism. Aktiv. nerv. sup. 6 no.1:107-108 '64

*

L 12938-66

ACC NR: AP6005673

SOURCE CODE: CZ/0079/65/007/002/0184/0185

AUTHOR: Semotan, J.; Semotanová, M.

ORG: Psychiatric Hospital, Prague

TITLE: Mental hygiene of women working in a machine factory [This paper was presented at the Third Interdisciplinary Conference on Experimental and Clinical Study of Higher Nervous Functions held in Mariánské Lázně from 19 to 23 October 1964.]

SOURCE: Activitas nervosa superior, v. 7, no. 2, 1965, 184-185

TOPIC TAGS: man, psychiatry, industrial hygiene

ABSTRACT: The research on which the article is based was conducted by the University Institute of Marxism-Leninism, the Economic Institute of the Czechoslovak Academy of Sciences, the Faculty of Machine Engineering, and the car factory AZNP at Mlada Boleslav. 376 women were investigated, partly by questionnaires; and partly by interviews in small groups. Most women chose their jobs because of higher pay; only some of the very young ones out of personal interest. These women suffer now from overexertion in trying to compete with men. In adult women, there are frequent clashes of interest between the job and domestic duties. Unfavorable influence of night-shift work and of work-room "parties" was noticed. The main improvement will be achieved when more space in nurseries and kindergartens becomes available.

SUB CODE: 05, 06 / SUBM DATE: none
Card 1/1

SEMOV, A.A.; PETROV, I.F.

Introducing welded part structure for electric locomotives.
Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i
tekhn. inform. 18 no. 12:54-55 D '65 (MIRA 19:1)

SEMOV, A. I.

Russian Language - Orthography and Spelling

How to improve the spelling of pupils in elementary classes. Nach.shkola 21, no. 4, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

SEMOV, B.

SEMOV, B. Schools for teaching the experiences of the front-rankers in "Maritsa
State Commercial Cooperative in Plovdiv. p. 38. Vol 5, no. 11, 1954
ELEKTROENERGIJA. Sofia, Bulgaria

SOURCE: East European Accessions List (EEAL) Vol 6, No. 4--April 1957

SEMOV, B.

How the skilled worker of the 5gh B. Section of the Maritsa State Weaving Combine
in Plovdiv works. p.26.

(LEKA PROMISHLENOST, Vol. 6, no. 3, 1957, Sofia, Bulgaria.)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 12, December 1957 Uncl.

SEMOV, B.

"How the Sixth Section of the Textile Shop for Checked Fabrics at the Maritsa Textile Mill in Plovdiv Became a Model Mill."

p. 23 (Elektroenergiia, Vol. 7, No. 3, 1958, Sofia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 11,
Nov. 1958

SEMOV, B.

"Working on two-thousand spindles"

Leka Promishlenost. Tekstil. Sofiia, Bulgaria. Vol. 7, no. 10, 1958

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 6, Jun 59, Unclass

TABLE I BOOK EXCERPTS

807/3599

Domestic radioactivity with 1 dosimetric methods (Collection of Radiochemical and Dosimetric Methods) Moscow, Medits, 1979. 499 p. Mirasidilp inserted. 9,000 copies printed.

Ed. (title page): S.O. Ozerov, V.A. Margulis, A.M. Karyev, S.Ye. Tsvetkov, N.M. Shubukhberg, E.I. (Inside book): V.I. Labunov, Tech. Ed.: A.I. Labunov.

PURPOSE: This collection of articles is intended for physicists, sanitation and public health doctors, chemists and other specialists working in radioactive contamination.

CONTENTS: This work discusses the following subjects: (1) principles of

organizing sanitation and dosimetric control in contamination where work is carried on with radioactive substances; (2) radiochemical and chemical methods for determining certain radioactive substances in samples of air, water, soil and foodstuffs; (3) physical methods of measuring contamination of the air by radioactive gases and aerosols, and methods for determining the level of contamination of working surfaces, clothes and leather coverings; (4) methods of measuring external streams of α - and gamma-radiation, and methods of internal dosimetric monitoring; (5) Absolute and relative methods of measuring the activity of solid and liquid radioactive sources. There are four appendices dealing with: (1) calculating the total dosage from sources of ionizing radiation, under conditions of various types of exposure; (2) determining the permissible level of ionizing radiation in the atmosphere during transportation, storage, and handling of radioactive materials; (3) determining the level of contamination of the environment; (4) determining the level of contamination of the environment by radioactive substances. References appear at the end of each chapter.

Ch. V. Physical Methods of Determining Contamination of the Ambient Atmosphere Due to Radioactive Aerosols and Gases

- Introduction (N.M. Shubukhberg) 154
1. Determination of the active concentration of naturally occurring aerosols (O.V. Korobkov, V.Y. Zolotarev, V.I. Katsenkov and V.M. Kozlov) 154
 2. Determination of the radioactive dust content of air with the aid of probes (K.M. Lavrenko) 162
 3. Determination of the concentration of active aerosols with the aid of the electric precipitation of active aerosols with Shubukhberg and K.O. Kuznetsov type MP-2 (N.M. Shubukhberg and K.O. Kuznetsov) 169
 4. Measurement of active aerosols with the aid of liquid filters (B.M. Berezov and V.I. Katsenkov) 185
 5. Radiation metering of beta-active gases by means of an end-window counter (B.M. Kibrikov and A.D. Turkin) 195
 6. Determination of effluent air contamination due to radioactive gases and aerosols (G. Boykov, B.M. Berezov and Yu. Shubukhberg) 196
 7. Measurement of the concentration of radon in the air (V.I. Katsenkov and V.M. Kozlov) 202
 8. Automatic control of the radon content of air (Measurement of the concentration of active gases in the air by means of an air wall chamber) (K.M. Bogdanov, M.I. Shabanov, and N.M. Shubukhberg) 211
 9. Determination of concentration of beta-active gases in the air with the aid of a cylindrical counter placed in a chamber of fixed volume (V.I. Katsenkov) 213

Recommended literature

Ch. VI. Methods of Measuring the Level of Contamination of Surfaces

Introduction (N.M. Shubukhberg)

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2. Calibration of instruments for measuring the contamination of surfaces by active substances (N.M. Shubukhberg) 239
3. Measurement of contamination of fixed surfaces (N.M. Shubukhberg) 245
4. Checking spectral calibration (N.M. Shubukhberg) 252
5. Determining the radioactivity of active substances (B.M. Berezov and N.M. Shubukhberg) 256
6. Determining the radioactive contamination of the body (N.M. Shubukhberg) 266
7. Determining the radioactive contamination of surfaces by the smear method (B.M. Berezov, Yu. Shubukhberg, and K. Ozerov) 271

Ch. VII. Methods of Measuring External Streams of α and Gamma Radiation (U.A. Margulis and B.M. Berezov)

1. Introduction 279
2. Organization of dosimetric monitoring 283
3. Calibration of dosimeters 291

ACCESSION NR: AP4005081

S/0032/63/029/012/1450/1451

AUTHOR: Semov, M. P.

TITLE: Spectrochemical method of determining boron in silicon dioxide

SOURCE: Zavodskaya laboratoriya, v. 29, no. 12, 1963, 1450-1451

TOPIC TAGS: silicon dioxide, boron, boron determination, spectrochemical analysis

ABSTRACT: A previously described method for determining boron in high-purity silicon (Ch. J. Silberstein. Reinstoffe in Wissenschaft und Technik, Internationales Symposium 30 November bis 2 Dezember 1961 in Dresden, Berlin, 365, (1963)) has been modified and applied to the determination of boron in high-purity silica. The method involves preliminary concentration of boron by removal of silica with hydrofluoric acid in the presence of mannitol. The concentrate is subjected to spectrochemical analysis with the use of ISP-28 or ISP-22 spectrographs and pure boric acid solutions as standards. The concentration sensitivity of the method is $2-3 \times 10^{-6}\%$; the absolute sensitivity is

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ACCESSION NR: AP4005081

$1-2 \times 10^{-8}$ g. On the average the mean relative error is 10%. For very small amounts of boron, the error is 25—30%. The proposed method has been successfully tested in production. Orig. art. has: 1 table.

ASSOCIATION: Institut khimii silikatov Akademii nauk SSSR (Institute of Silicate Chemistry, Academy of Sciences SSSR)

SUBMITTED: 00

DATE ACQ: 19Dec63

ENCL: 00

SUB CODE: CH

NO REF SOV: 003

OTHER: 001

Card

2/2

SEMOV, M. P.

The Second All-Union Conference on the Preparation and Analysis of High-Purity Elements, held on 24-28 December 1963 at Gorky State University im. N. I. Lobachevskiy, was sponsored by the Institute of Chemistry of the Gorky State University, the Physicochemical and Technological Department for Inorganic Materials of the Academy of Sciences USSR, and the Gorky Section of the All-Union Chemical Society im. D. I. Mendeleyev. The opening address was made by Academician N. M. Zhavoronkov. Some 90 papers were presented, among them the following:

Kh. I. Zil'bershteyn, O. N. Nikitina, and M. P. Semov. Spectrochemical determination of some impurities in silicon dioxide, with a sensitivity of 3×10^{-7} to $3 \times 10^{-6}\%$ for most of them.

(Zhur. Anal. Khim., 19 No. 6, 1964 p. 777-79)

L 47046-65 EWP(m)/EWP(t)/EWP(b) LJP(c) JD

ACCESSION NR: AP5007540

8/0368/65/002/001/0016/0020

AUTHOR: Zil'bershteyn, Kh. I.; Semov, M. P.

TITLE: Some questions in the spectral analysis of silicon by the evaporation method

SOURCE: Zhurnal prikladnoy spektroskopii, v. 2, no. 1, 1965, 16-20

TOPIC TAGS: ²¹silicon, spectral analysis, evaporation method, impurity volatility

ABSTRACT: This research was motivated by certain difficulties involved in spectral analysis of silicon by the evaporation method, due to the high volatility of the silicon and its excessive content in the condensate. The authors investigated with the aid of radioactive tracers the effect of the manner with which the impurities combine with silicon, the results of a quantitative analysis of their content, the evaporation and condensation of the impurities, and the possible losses due to incomplete evaporation or condensation. The degree of condensation of various impurities in silicon (arsenic, antimony, gallium, indium, zinc, thallium, bismuth, and boron) was determined by accumulating these products from a batch of fixed weight. It is shown that the volatile impurities are completely

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L 47046-65

ACCESSION NR: AP5007540

evaporated, but 10--30% of different impurities condensed outside the central capsule. Dispersion of the condensate is observed also in the case of the non-volatile base zirconium dioxide. It is shown that the degree of condensation depends little on the concentration of the impurities up to a content of 5×10^{-10} of volatile impurity in a base of low volatility. Some peculiarities were noted in evaporation of boron impurities from silicon. (Orig. art. has: 2 figures and 6 tables.

ASSOCIATION: None

SUBMITTED: 25Jul64

ENCL: 00

SUB CODE: OP,IC

NR REF SOV: 004

OTHER: 003

bjo
Card 2/2

ZILBERSHTEYN, Ch. I.; GERBATSCH, R.; NIKITINA, O. N.; SEMOV, M. P.; ARTUS, G.

"Zur empfindlichen Losungsspektralanalyse mit Dauerbogenanregung des Trocken-
ruckstandes auf Apektralkohlelektroden."

report submitted for 2nd Intl Symp on Hyperpure Materials in Science and
Technology, Dresden, GDR, 28 Sep-2 Oct 65.

Inst Chemistry of Silicates im Grebenshchikov, Leningrad, except Gerbatsch
& Artus -- Institut fer angewandte Physik der Reinststoffe Dresden.

BELCHEV, D.; PETROV, A1.; SEMOV, P.; IANEV, D.

Gastrointestinal diseases in calves, and their therapy.
Izv Vet inst zaraz parazit 7 137-144 '63.

SEMOV, P. I.

PHASE I

TREASURE ISLAND BIBLIOGRAPHICAL REPORT

AID 643 - I

BOOK

Call No.: AF345128

Authors: SEMOV, P. I., Dotsent, Kand. of Tech. Sci. and KUVARZIN, I. N.

Full Title: NONMETALLIC AVIATION MATERIALS

Transliterated Title: Aviatsionnyye nemetallicheskiye materialy

PUBLISHING DATA

Originating Agency: None

Publishing House: Leningrad "Red Banner" Military Air Engineering
Academy Publishing House

Date: 1950

No. pp.: 242

No. of copies: Not given

Editorial Staff

Editor: Krest'yaninov, V. V., Dotsent, Kand. of Tech. Sci.

Others: The authors express thanks for valuable help to the

following: Solechnik, N. Ya., Prof., Doc. of Tech. Sci., and
Gulyayev, A. T., Kand. of Tech. Sci.

PURPOSE: A textbook for aviation schools. It may also be used as a
handbook for engineers.

TEXT DATA

Coverage: This book contains basic information on nonmetallic materials
used in aviation, in particular information on their origin, nature
and technology of manufacture. The book is divided into four chapters
as follows: I. plastics, II. paints, III. rubber, IV. textiles.

No. of References: 19 Russian, 1938-1948.

Facilities: Names of several Russian scientists are mentioned.

1/1

MECHKARSKI, Iordan M., k. t. n. inzh.; SEMOV, Stefan Iv., inzh.

Measures against water hammering in the pressure pipeline of the Khanovo Pumping Station. Khidrotekh i melior 8 no.8:235-237 '63.

TROFIMOV, N.P.; AREF'YEVA, S.A.; KOMAROVA, T.A.; LITVINENKO, T.G.; SEMOV,
V.A.; SKOSYREVA, N.A.; SHCHERBAKOV, N.P.; FEDOROV, P.I., otv.red.;
SAYTANIDI, L.D., tekhn.red.

[Wages on state farms; a collection of materials on wages and work
norms for state farms] Oplata truda v sovkhovakh; sbornik materialov
po opplate truda i normam vyrabotki v sovkhovakh. Moskva, Izd-vo M-va
sel'.khoz.RSFSR, 1960. 380 p. (MIRA 13:5)

1. Russia (1917- R.S.F.S.R.) Ministerstvo sel'skogo khozyaystva.
Upravleniye organizatsii truda i zarabotnoy platy. 2. Upravleniye
organizatsii truda i zarabotnoy platy Ministerstva sel'skogo kho-
zyaystva (for all except Fedorov, Saytanidi).
(Wages) (State farms)

ARKHIPOV, A.Ya.; ALTAYEVA, N.V.; BAYBULATOVA, Z.K.; VISOVSKIY, Yu.A.;
GOLENKOVA, N.P.; KRAVCHENKO, M.F.; KUPRIN, P.N.; LEVIN, A.I.;
POL'STER, L.A.; SEMOV, V.N.; SYRNEV, I.P.; USHKO, K.A.;
SHOLOKHOV, V.V.; Prinimali uchastiye: RODIONOVA, M.K.; CHEL'TSOV,
Yu.G.; KUZNETSOV, Yu.Ya., kand. geograf. nauk, nauchnyy red.

[Geology and oil and gas potentials of the south of the U.S.S.R.;
Kara-Bogaz-Gol (Gulf) region (eastern part of the Middle Caspian
oil- and gas-bearing basin).] Geologiya i neftegazonosnost' iuga
SSSR; Prikarabozaz'e (vostochnaia chast' Srednekaspiiskogo nefte-
gazonosnogo basseina). Leningrad, Nedra, 1964. 300 p. (Trudy
Nauchno-issledovatel'skoy laboratorii geologicheskikh kriteriyev
otsenki perspektiv neftegazonosnosti no.12).

IMASHEV, N.U.; KUPRIN, P.N.; SEMOV, V.N.

Geology, oil and gas potentials of the Uzen' anticline and adjacent regions in the Mangyshlak steppes. Geol.nefti i gaza
6 no.3:7-13 Mr '62. (MIRA 15:4)

1. Zapadno-Kazakhstanskoye geologicheskoye upravleniye i Moskovskiy gosudarstvennyy universitet.

(Mangyshlak Peninsula—Petroleum geology)

(Mangyshlak Peninsula—Gas, Natural—Geology)

KUPRIN, P.N.; SEMOV, V.N.

Structural position and basic characteristics of the structure
of the Zhetybay-Uzen' anticlinal zone. Sov. geol. 7 no.8;
79-94 Ag '64. (MIRA 17:10)

1. Moskovskiy gosudarstvennyy universitet.

DIKENSHTeyN, G.Kh.; KUTUZOVA, V.V.; MASHYKOV, K.K.; BABAYEV, A.G.;
POL'STER, L.A.; YUFEREV, R.F.; SHISHOVA, A.I.; BAREYEV,
R.A.; MAKAROVA, L.N.; MURADOV, K.; PYANOVSKAYA, I.A.;
SEMOV, V.N.; SIROTINA, Ye.A.; TURKINA, I.S.; FEL'DMAN,
S.L.; KHON, A.V.; KUNITSKAYA, T.N.; GOLENKOVA, N.P.;
ROSHINA, V.M.; FARTUKOV, M.M.; SHCHUTSKAYA, Ye.K.;
ALTAYEVA, N.V.; BYKADOROV, V.A.; KOTOVA, M.S.; SMIRNOV,
L.M.; IBRAGIMOV, M.S.; KRAVCHENKO, M.F.; MARKOVA, L.P.;
ROZYYEVA, T.R.; UZAKOV, O.; SLAVIN, P.S.; NIKITINA, Ye.A.;
MILOGRADOVA, M.V.; BARTASHEVICH, O.V.; STAROBINETS, I.S.;
KARIMOV, A.K.

[Splicing of the wires of overhead power transmission lines]
Soedinenie provodov vozdukhnykh linii elektroperedachi. Mo-
skva, Energiia, 1964. 69 p. (Biblioteka elektromontera,
no.132) (MIRA 17:9)

MACHINSKIY, A.P., starshiy prepodavatel', kand. vet. nauk; SEMOV, V.N.,
student

Studying helminths of dogs and cats in Saransk. Uch.zap.Mord.gos.un.
no.42:12-14 '64. (MIRA 18:11)

1. Mordovskiy gosudarstvennyy universitet (for Semov).

SEMOV, V.V., kand.tekhn.nauk

Current work of the Central Committee for Heavy Industry
on turbomachinery research. Energomashinostroenie 8
no.10:39,43 0 '62. (MIRA 15:11)
(Turbines)

ACC NR: AP6031396

SOURCE CODE: UR/0114/66/000/009/0006/0008

AUTHOR: Semov, V. V. (Candidate of technical sciences)

ORG: none

TITLE: Selecting the relative profile thickness for axial compressor blades

SOURCE: Energomashinostroyeniye, no. 9, 1966, 6-8

TOPIC TAGS: ~~compressor~~, axial compressor, ~~axial~~ compressor blade, mechanical stress, *blade profile, blade airfoil*

ABSTRACT: An investigation was made to find ways for improving the strength and vibration characteristics of the shroudless blade assembly of an axial compressor. Recommendations for designing blades with an increased relative thickness of the airfoil root cross section are given. The following conclusions were reached: a) In designing blades requiring improvements in strength, frequency characteristics, axial dimensions, and the distribution of airfoil's maximum thickness and chord along the blade must be selected in accordance with changed mechanical stresses and M number along the radius. b) To improve the strength and vibration characteristics of blades at moderate M numbers, it is recommended that the relative thickness of the root cross section of the airfoil be increased by 15—18%, since it does not cause a significant decrease in the efficiency and pressure of the stage when the blades are made in accordance with the recommended method. c) The increase in the blade's strength thus

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UDC: 62-226.2:621.515.001.57

ACC NR: AP6031396

permits a decrease in the chord and sufficiently lowers the axial dimensions of the stage. If the initial lengthening of the blades is $\bar{h} = >1$, then some decrease in the stage's efficiency is to be expected. In the case of short blades, when $\bar{h} < 1$, stage efficiency increases. Orig. art. has: 3 figures and 1 table.

SUB CODE: /320/ SUBM DATE: none/ ORIG REF: 003/

Card 2/2

SEMOV, V.V., kand.tekhn.nauk

New studies on turbomachines conducted by the Central Committee
for Heavy Industry. Energomashinostroenie 8 no.11:43 N '62.

(MIRA 16:1)

(Turbomachines)

SOV/144-59-8-6/14

AUTHORS: Oleynikov, V.A. (Cand.Tech.Sci., Docent);
Solov'yev, N.V. Semov, Yu. M., Aspirants

TITLE: Pulse System for Speed Control of Direct Current Motor

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy,
Elektromekhanika, 1959, Nr 8, pp 61-70 (USSR)

ABSTRACT: Methods of speed control for separately-excited d.c. motors are known (Refs 1 and 2) but usually require a d.c. amplifier, special supplies and are generally lacking in stability. The method proposed does not require special supplies and lends itself to transistorization. The principal features of the whole arrangement are in Fig 1. The motor is a PN-45 (4 kW, 220 V, 2200 rpm), the crossed-field amplifier is an EMU-25-3000 (2.5 kW, 230 V, 3000 rpm). The sensing element is a d.c. tacho-generator coupled to a source of standard voltage. This is followed by a pulse-converter (converting direct-voltage error into variable-duration pulses) and pulse power amplifier feeding the control winding on the EMU. The pulse converter is shown in Fig 2. Valves Λ_1 and Λ_2 form a biased, cathode-coupled multivibrator driven at 160 c/s from a pulse generator. The bias on Λ_2 is controlled by the direct

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SOV/144-59-8-6/14

Pulse System for Speed Control of Direct Current Motor

voltage applied to the grid of Λ_3 . Eqs (1) and (2) give the grid voltages at Λ_2 for valve Λ_3 respectively cut-off and conducting. Fig 3 shows the exponential character of the voltage change at the grid of Λ_2 for the two conditions of Λ_3 . When the signal increases the Λ_2 anode pulse narrows while the Λ_1 anode pulse widens. The resistance R_{a3} extends the range of linear operation. Fig 4 is a measured relation between pulse width at Λ_1 anode and the input voltage at Λ_3 . The transfer coefficient of the pulse converter is the slope of this characteristic, K_u as in Eq (5). Taking into account the gain of the power amplifier, K_v (Eq (6)), the overall transconductance is 64 mA/V. The remaining transfer coefficients are: the motor 0.814, the crossed-field machine 7.8, the tacho-generator 5.4. Voltage feedback on the crossed-field machine, 0.01. These parameters are sufficient to give speed control of a range of 30:1 with an accuracy of 10%. Speed/torque (current) curves are in Fig 6. If the pulse rate is high enough their intermittent nature can be neglected in a transient analysis. The block diagram for such an

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SOV/144-59-8-6/14

Pulse System for Speed Control of Direct Current Motor

analysis is Fig 7, whose operational transfer function is Eq (8). An examination of the various coefficients shows that the denominator can be represented quite adequately by a cubic with roots -2.1 , -27.6 , -26.2 . It follows from these values that the transfer function of the system is given by Eq (9) which is plotted as a phase and log amplitude characteristic in Fig 8. The effective time constant of the control system is 0.5 sec, the overshoot is 20%. Also shown in Fig 8 are the characteristics of suitable correcting elements. These take the form of the 4-element (2R, 2C) correcting network in Fig 1 inserted after the pulse circuit. Fig 9 shows the transient conditions at the corrector. Fig 10 shows the final response with a time-constant of 0.25-0.30 sec and reduced overshoot. The thick line is 'measured', the thin line 'calculated'.

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SOV/144-59-8-6/14

Pulse System for Speed Control of Direct Current Motor

There are 10 figures and 4 Soviet references.

ASSOCIATION: Kafedra avtomatiki i telemekhaniki, Leningradskiy
elektrotekhnicheskiy institut
Card 4/4 (Chair of Automation and Telemechanics, Leningrad
Electro-technical Institute)

SUBMITTED: May 30, 1959

AUTHOR: Semova, R. V.

SOV/89-5-2-14/36

TITLE: On the Use of Terphenyl for β -Counting (Primeneniye terfenila dlya β -scheta)

PERIODICAL: Atomnaya energiya, 1958, Vol. 5, Nr 2, pp. 177-178 (USSR)

ABSTRACT: The scintillators produced possess a high degree of efficiency compared to the recording of β -particles and contain 90-95% terphenyl. From a saturated solution of terphenyl in benzene, to which 5-8% of polystyrene was added, scintillators were produced by pouring this solution onto a glass plate having a thickness of 1-2 mm and a diameter of 100 mm. 200 cm³ of a saturated solution with a content of 0.5-1 g pulverized terphenyl is needed for the production of scintillators of a thickness of 5-10 mg/cm² and a diameter of 100 mm. The relative efficacy of the scintillators was investigated in a 2 π -geometry with a photomultiplier ϕ 3Y-5 at the same voltage (2 000 V). Scintillators of para- and meta-terphenyl were investigated. The use of paraterphenyl as a scintillator makes it possible to increase the efficacy of β -counting by 40-50%. Efficacy compared to β -recording attains 100% with the scintillators produced, and is, in reality, limited only by the background noise of the photomultiplier.

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On the Use of Terphenyl for β -Counting

SOV/89-5-2-14/36

At present the scintillators are used for measuring β -active solutions, which have an activity of $5 \cdot 10^{-9}$ C/l. The efficacy of terphenyl compared to the recording of γ -rays amounts to about 0,004% for Co^{60} -radiation. These scintillators are therefore applicable for β -measuring in the presence of a strong γ -background. There are 2 figures, 1 table, and 5 references, 3 of which are Soviet.

SUBMITTED: April 15, 1958

Card 2/2

SEMOVSKIKH, G.N., inzh.

Zonal induction heat treatment of welded joints. Svar.proizv.
no.12:30-32 D '65. (MIRA 18:12)

SEMCVSKIKH, O. L.

63/49T44

PA 63/49T44

USSR/Medicine - Fungi
Medicine - Culture

May/Jun 49

"Conversion of Nitrogenous Matter in Nutrient Media and the Disintegration of Gelatin by Genus *Fusarium*," F. T. Sukhenko, O. L. Semcovskikh, Chair of Biochem, Novosibirsk Med Inst, 9 3/4 pp

"Biokhim" Vol XIV, No 3 - 201-10

As a result of the activity of genus *Fusarium* fungus, the composition of nitrogenous substances in a nutrient medium was changed qualitatively and quantitatively. In bouillon, the total quantity of the amine type decreased, while the ammonium type

63/49T44

USSR/Medicine - Fungi (Contd) May/Jun 49

increased. In a medium with gelatin, again the total quantity decreased, but amounts of the ammonium and, particularly, the amine increased. Fungus has a proteolytic system containing at least two components, one of which has a much faster rate of activity than the other, causing a cleavage of peptide bonds. Submitted 10 Jul 48.

SEMYOKHIN, O. L.

Dissertation defended for the degree of Candidate of Biological Sciences
at the Joint Scientific Council on Biological Sciences; Siberian Branch

"Nitrogen Nutrition and Proteolytic Enzymes of Achorion Scholeini
(Impetigo Causative Agent) (Remax, 1845)."

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

SEMOVSKIKH, O. L.

Certain properties of proteolytic enzymes of achorion Schonleini.
Izv. Sib. otd. AN SSSR no. 11:109-117 '62. (MIRA 17:9)

1. Novosibirskiy meditsinskiy institut.

86-58-5-21/38

AUTHOR: Semovskikh, R. N., Lt Col, Military Navigator, First Class

TITLE: The Use of the Directional Gyro Compass in Orthodromic Flights
(Ispol'zovaniye giropolukompasa v polete po ortodromii)

PERIODICAL: Vestnik vozdushnogo flota, 1958, Nr 5, pp 42-45 (USSR)

ABSTRACT: This article describes the use of the GPK-52 directional gyro compass [giropolukompas] in long-range flights on the great circle course. According to the author, experience has shown that the directional gyro compass should not be reset at zero reading after every turn during the flight, but should be set with reference to the magnetic or astrocompass reading. In long-range flights, both at high and medium latitudes, the GPK was used as the basic aircraft compass, the readings of which were used by the navigators for various navigational computations. Air navigation with the aid of the directional gyro compass, set with reference to the actual course on the magnetic or astrocompass, becomes simple and clear. The course, indicated by GPK, can be used by the navigator for route plotting on the map and for taking bearings from radio stations, and it is not necessary to change the angle setting of the map in the air position indicator during the turns. Further, the author describes the procedure of route plotting for a flight on a great circle course.

AVAILABLE: Library of Congress

Card 1/1

1. Pilots - Training methods 2. Compasses - Application

ZAMOTA, A.Ye., podpolkovnik, voyenny shturman pervogo klassa; SEMOVSKIKH, R.N.,
podpolkovnik, voyenny shturman pervogo klassa; SEARONOV, E.I., inzh.-mayor.

Using rectangular coordinates. Vest.Vozd.Fl. no.1:38-41 Ja '61.
(Bombing, Aerial)

SEMOVSKIY, Yu.N.

Medical care for new settlers in virgin soil districts. Sov.zdrav.
15 no.5 supplement:27-29 0 '56. (MLRA 10:1)

1. Zaveduyushchiy Tyumenskim oblastnym otделom zdравookhraneniya.
(PUBLIC HEALTH
in Russia, med. care in virgin soil districts)

S. SEMOVSKY, M.

CZECHOSLOVAKIA/General Problems of Pathology - Tumors.

T-5

Abs Jour : Ref Zhur - Biol., No 3, 1958, 12725

Author : Zikan, V., Semovsky, M.

Inst : Not given.

Title : Cystostatically Active Crotonlactones.

Orig Pub : Chemotherapeutika. I. Farmac. Sympos., Praha, 1956, 29-30

Abstract : No abstract.

Card 1/1

Synchronization of the Work of Exhaust Fans

91-58-6-4/39

servicing the automatic equipment. There is one circuit.

AVAILABLE: Library of Congress

Card 2/2 1. Exhaust fans-Synchronization 2. Servomechanisms-Applications

SEMPEROVICH, N.P.

Improving the stamping of automobile parts and the stampability
of sheet steel. Kuz. shtam. proizv. I no.10:9-11 0 '59.

(MIRA 13:2)

(Sheet-metal work) (Steel, Automobile)

SEMPINSKA, Elzbieta

Chromatographic methods in analysis of nucleic acids. Postepy
biochem. 2 no.1:131-155 1956.

1. Zaklad Biochemii Uniwersytetu Lodzkiego, Lodz, ul. Lindleya

6.

(NUCLEIC ACIDS, determination,
chromatography, review (Pol))

SEMPINSKA, E.

POLAND/Physical Chemistry - Electrochemistry.

B-12

Abs Jour: Referat. Zhurnal Khimiya, No 3, 1958, 7325.

Author : W. Leyko, E. Sempinska.

Inst : Academy of Sciences of Poland.

Title : Polarographic Behavior of Kinetin.

Orig Pub: Bull. Acad. polon. sci., 1957, Cl. 2, 5, No 3, 75-78.

Abstract: Kinetin (6-furfurylmethylaminopurine) (I) separated from DNC
[DHC is in the original. Translator does not know what it is.]
and prepared synthetically produces a wave on the background of
0.1 n. HCl with E_1 close to E_1^0 of adenine. The initial I concen-
tration was computed by adding the standard adenine solution.
The results of the polarographic determinations are compared with
the results of spectrophotometrical measurements and they agree
well.

Card : 1/1

-22-

POLAND / Plant Physiology. Mineral Nutrition.

I

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001547920008-5"

Abs Jour : Ref Zhur - Biol., No 34287

Author : Sempinska, E.; Maciejewska-Potapczykowa W.; Dmochowski, A.

Inst : AS of Poland

Title : Isolation of Kinetin from Thymus DNA and Investigation of
its Effects in Simple Plant Tests.

Orig Pub : Bull. Acad. polon. sci., 1957, Cl. 2, 5 No 3, 79-81

Abstract : No abstract given

Card 1/1

POLAND/Plant Physiology. Growth and Development

I-3

Abs Jour : Ref Zaur - Biol., No 20, 1958, No 91328

Author : Olszewska M.J., Maciejowska-Potapczyjowa W., Serpinska E.
Inst : Polish Botanical Society; Lodz Univ.
Title : The Effect of Kinetine Isolated from the Desoxyribonucleic
Acid of the Thymus on Plant Tissues

Orig Pub : Acta Soc. bot. Polon., 1957, 26, No 3, 585-596

Abstract : The upper parts of potato tubers together with the eyes and the stems discs 5 mm thick cut from the carrot root in the area containing lateral roots, and also segments of red cabbage stalk were washed for several hours in running water in order to remove the wound hormones. They were then subjected to the action of kinetone (10^{-6}) and I.A. (10^{-7}), adenine ($30 \cdot 10^{-6}$) and distilled water (control). Kinetone increased the number of cell divisions in the meristematic tissues and in the callus. Under the effect of kinetone a layer of cambium appeared in the callus tissue and proceeded

Card : 1/2

SEMPINSKA, Elzbieta; HLYNCZAK, Joanna

Bromine reactions with uracil and cytosine.
Nauki matemat przyrod Lodz no.13:37-42 '62.

1. Katedra Biochemii, Uniwersytet, Lodz.

DEB-10000, 100000, 1000000

Studies on plant growth regulators from immature tomato fruit and human placenta. Nauki matematyczne no. 16:41-45 1964.

1. Department of Biochemistry, University, Lodz.

SEMPINSKI ~~ELIZBIETA~~ SMULSKA, Barbara; HLINIOZAK, Joanna

Quantitative determination of pyrimidines by brominating them.
Nauki matemat. przyrod. Lodz no.10:21-30 '61.

1. Department of Biochemistry, University, Lodz.

L 34538-66 T JK

ACC NR: AP6024715

SOURCE CODE: CZ/0049/66/000/002/0099/0104

AUTHOR: ~~Sempio, Cesare~~ Sempio, Ch. (Perugia); ~~Majernik, Ondrej~~ Mayernik, O. 4/
(Bratislava); ~~Raggi, Vittorio~~ (Perugia) B

ORG: ~~Sempio, Raggi~~ Institute of Botanical Pathology, University of Perugia,
Perugia (Istituto di Patologia Vegetale di Università Perugia); ~~Majernik~~ Botanical
Institute, Slovak Academy of Sciences, Bratislava

TITLE: Water loss and stomatal behavior of bean (*Phaseolus vulgaris* L.) infected
by *Uromyces appendiculatus* (pers.) link

SOURCE: Biologia, no. 2, 1966, 99-104

TOPIC TAGS: fungus, plant disease, plant metabolism, plant respiration, transpira-
tion, plant parasite

ABSTRACT: The total transpiration rate of beans infected by the fungus *Uromyces*
appendiculatus was determined by the method of Ivanov, Silina and Tselniker (1950).
The state of stomata was simultaneously investigated during the
pathogenesis of the rust disease. When compared to controls, the
respiration rate of the infected beans was reduced at the begin-
ning of the infection; at later stages the leaves transpired more
than the healthy ones. The break down of the photo- and hydro-
reactions caused by the parasite was found by observation of stoma-

Cord 1/2

09/5 2538

L 34538-66

ACC NR: AP6024715

ta. The stomatal opening of diseased leaves is limited by temperature. In diseased leaves the width of the aperture is not related to the intensity of transpiration. Orig. art. has: 5 figures.
[Orig. art. in Eng.] [JPRS: 35,814]

SUB CODE: 06 / SUBM DATE: 16Sep65 / SOV REF: 003 / OTH REF: 008

Card 2/2 *ply*

SEMPOLOWSKI, ANTONI

Hodowia i uszlachetnianie roslin gospodarskich. (Wyd. 2.) Warszawa, Panstwowe
Wydawn. Rolnicze i Lesne, 1956. 234 p. (Cultivating and improving field crops.
2nd ed.)

DA

Not in DLC

SO: Monthly List of East European Accessions (EEAL) Lc. Vol. 6, No. 10, October 1957. Uncl

KUTHA, M.; SEMPRENE I.; SCUNCIO, G.

Components of the radihippuran renogram. Physiol. Bohemoslov.
13 no.6:571-578 '64

1. Institute of Endocrinology, Slovak Academy of Sciences,
Bratislava and Institute of Medical Pathology and Clinical
Methodology, Rome.

KUTKA, M.; SEMPREGNE, L.

Renography -- kidney function testing with radioisotopes. Bratisl.
lek. listy 45 no. 10:598-609 31 My'65.

1. Endokrinologický ústav Slovenskej akadémie vied v Bratislave
(riaditeľ : MUDr. J. Podoba, CSc.) a Istituto di Patologia Medica
dell'Università di Roma (riaditeľ: prof. dr. Cataldo Cassano).

SEMPTEY, F.

Tests of heavy minerals found in samples taken from two deep
borings at Czd. p. 485.
BANYASZATI LAPCK (Magyar Banyaszati es Kohaszati Egyesulet)
Budapest.
Vol. 11, no. 8 Aug. 1956.

SOURCE: FEAL - LC Vol.5 No. 11 Nov. 1956

ADAMEK, J.; SEIFRAD, B.; PONEC, V.

2
CSR

Institute of Physical Chemistry, Charles University, Institute for Physical
Chemistry, Czechoslovak Academy of Science, Prague

Prague, Collection of Czechoslovak Chemical Communications, No 12, 1963,
pp 2966-2968.

"Thermomolecular Effect of Ammonia"

3

ADAMEK, J.; SEMRAD, B.; PONEC, V.

Thermomolecular effect of ammonia. Coll Cz Chem 27 no.12:2966-
2968 D '62.

1. Institut fur physikalische Chemie, Karlsuniversitat; Institut
fur physikalische Chemie, Tschechoslowakische Akademie der
Wissenschaften.

SEMRAD, J.

"Close contacts between school and life." P. 243.

NOVA TECHNIKA. (Rada vedeckych technickych spolecnosti pri Ceskoslovenske akademii ved). Praha, Czechoslovakia, No. 6, 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8,
August 1959.
Uncla.

S/194/62/000/006/228/232
D256/D308

AUTHOR: Semrad, Jiří

TITLE: Arrangement for sending preliminary visual signals to interurban exchange switchboards

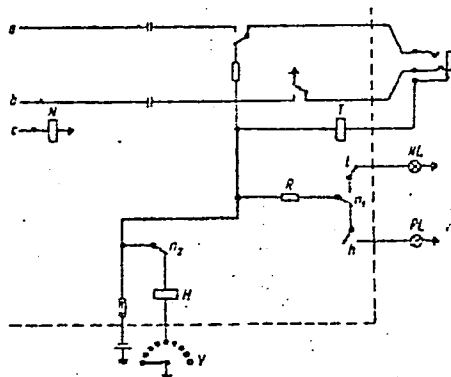
PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 6, 1962, abstract 6-8-39 u (Czechosl. pat. kl. 21 a3, 45, no. 91878, 15.09.59)

TEXT: Various distributing arrangements are used in interurban telephony devised to spread evenly the outgoing load between switchboards, employing visual indication of the progressing call. The patented system secures sending of a visual signal to a jack on one of the lines of the switchboard which is to receive the next call, in order to warn the operator in advance of the incoming call. One of the brushes of the selector V in the call finder is used for sending the advance signal (see Fig.). The circuit of the relay H is made by the selector brush closing the contact corresponding to the following line; the advance signal PL being turned on by means of the contact h of the relay H. The call, sent on the line indi-
Card 1/2

Arrangement for sending preliminary . . . S/194/62/000/C06/228/232
D256/D308

cated by the advance signal, operates the relay N turning on the visual indicator of the call NL; the advance signal is at the same time taken off the line and transferred to the next one. The presented system is particularly recommended for fast operating inter-urban systems. [Abstracter's note: Complete translation.]

Fig.



Card 2/2

SEMRAD, Jozka, doc., inz.

"Automation in machinery industry" by A. N. Rabinovic. Reviewed by
Jozka Semrad. Nova tehnika no.5: '60.

(Machinery industry) (Rabinovic, A. N.)

SEMRAD, Jozka, doc., inz.

"Modernization of machinery factories" by K. Skibar. Reviewed by
Jozka Semrad. Nova technika no.8:384 '60.

SEMRAD, Jozka, ins., doc.

For the collaboration of Czechoslovak and Soviet young workers and technicians. Nova technika no.11:481 N '60.

EXCERPTA MEDICA Sec.6 Vol.11/2 Internal Med. Feb.57
SEMRÁD O.

1209. SEMRÁD O. Transf. Stanice Při OÚNZ v Havlíčkově Brodě *Isolovaná aplastická anemie - erythroblastofthisis. Isolated aplastic anaemia: erythroblastophthisis VNITŘ. LÉK. 1956, 2/7 (596-597)
- An isolated aplastic anaemia is described in a man of 78 yr. Characteristic signs: severe chronic normochromic, normocytic anaemia, the reticulocytes are reduced or absent. In the bone marrow there is normal granulocytopoiesis and thrombocytopoiesis, but the erythropoiesis is lowered or absent. The leucocytes, the differential count of leucocytes and the thrombocytes are normal in peripheral blood. There is no extramedullary haemopoiesis. The antianaemic treatment is quite unsuccessful, only transfusions of blood are helpful. The patient is observed for 2 yr.; 78 transfusions of resuspended erythrocytes or concentrated mass of erythrocytes were given. His condition remains unchanged. Dvořák - Brno

LIBANSKY, J.; CHROBAK, L.; MRKOS, D.; FORTYNOVA, J.; CERNIK, F.; SEMRAD, O.

Blood dyscrasias of drug etiology. Cas. lek. cesk. 101 no.51:1494-1503 21 D '62.

1. Ustav hematologie a krevni transfuze, prednosta prof. dr. J. Horejssi, DrSc., prednosta klinickeho oddeleni doc. dr. J. Libansky, II. interni klinika lekarske fakulty KU v Hradci Kralove, prednosta prof. dr. J. Rehor, DrSc., I. interni klinika lekarske fakulty UJEP v Brne, prednosta prof. dr. M. Stejfa, nemocnice v Havlickove Brode.
(AGRANULOCYTOSIS) (THROMBOPENIA) (HEMATOLOGY)
(DRUG ALLERGY)

SCHUCK, Ota; BERMAN, Jiri; Technicka spoluprace: SEMRADOVA, M.

Mechanism of renal excretion of porphyrins in man. Cas. lek.
cesk. 95 no.5:125-126 3 Feb 56.

1. Z I. kliniky chorob vnitřních KU, prednosta prof. MUDr.
M. Netousek.

(PORPHYRIN, in urine,
mechanism of secretion.(Cz))

(URINE,
porphyrin, mechanism of secretion.(Cz))

STREDA, M.; labbratorni spoluprace SEMRADOVA, M.

On the possibility of detecting the prediabetic state with the glucose-hydrocortisone test; Cas. lek. cesk. 102 no.5:131-133 1 F '63.

1. I. interni klinika fakulty vseobecneho lekarstvi KU v Praze,
prednosta prof. dr. V. Hoenig, DrSc.
(DIABETES MELLITUS) (DIAGNOSIS) (HYDROCORTISONE)
(BLOOD SUGAR) (GLUCOSE TOLERANCE TEST)

STREDA, M.; HOENIG, V.; technicka spoluprace SEMRADOVA, M.

Influence of hydrocortisone on the blood sugar curve in chronic liver disease. Cas. lek. cesk. 102 no.11:288-291 15 Mr '63.

1. I. interni klinika fakulty vseobecneho lekarstvi KU v Praze,
prednosta prof. dr. V. Hoenig, DrSc.

(BLOOD SUGAR)	(HYDROCORTISONE)	(PHARMACOLOGY)
(HEPATITIS)	(LIVER CIRRHOSIS)	(LIVER DISEASES)
(BILIARY TRACT)	(DISEASE)	

KOZOUSEK, V.; SEMRADOVA, V.

Metallic foreign bodies in the electroretinographic picture.
Cesk. oftal 19 no.6:377-382 N'63.

1. Očni klinika lékařské fakulty UJEP v Brně, přednosta prof.
dr. J. Vanysek, DrSc.

*

SEMRO, A

SEMRO, A.; LASZLO, I.

Problems with the shipment of the merchandise of the Budapest Great Central Market.

p. 711 (Kozlekedesi Kozlony) Vol. 13, No. 40, Oct. 1957, Budapest, Hungary

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

SEMRO, Andras, Dr.

Some thoughts about the simplification of railroad car load
tariffs on the synchronization of railroad and motor car
load tariffs. Kozleked kozl 18 no.17:290-291 29 Ap '62.

SEEMO, Andras, dr

Schedule construction by mathematical methods. Kozleked kozl 18
no.37:685-691 16 S '62.

SOMRO, Andras, dr.

Further development of a bus line scheduling model introduced at
the No.1 Automobile Transportation Enterprise. Kozleked kozl 18
no.50:918-923 16 D :62.

SEMSCH, JAN

Stroje v jemne keramice. (1. vyd. 1.) Praha, Statni nakl. technicke literatury, 1955.
133 p. (Machines for the manufacture of fine ceramics. 1st ed. illus., bibl.)

So: Eastern European Accession Vol. 5 No. 4 April 1956

SEMSCH, J.

Semsch, J. Significance of well-organized maintenance of electric equipment.
p. 209. ELEKTROTECHNIK. Praha. Vol. 10, no. 7, July 1955.

SO: Monthly List of the East European Accession, (EEAL), LC. Vol. 4,
no. 10, Oct. 1955. Uncl.

SEMSKIY, S. V.

18
Investigation of the blast furnace process by isotope methods. I. P. Bardin, P. L. Gruzin, and S. V. Semskiy. Doklady Akad. Nauk S.S.S.R. 114, 1220-3 (1957).—A comprehensive investigation is made of the solid material transport and of the relative motion of gases in the blast furnace, by using the addn. of highly active γ -radioactive tracers to observe the displacements by Geiger counter recordings outside the refractory lining and steel casing of the furnace in its upper and middle portions. Especially the relative displacement of the coke, ore, and limestone charges is important for an accurate knowledge of the process; 3 furnaces of 330, 1233, and 1386 cu m. inner vol. were used in the expts. The probes were introduced in water-cooled and isolated tubes, to det. the cross sectional transport rates of the charges. The numerical data resulting are used for the construction of trajectorial curves to study the transport rates. They show how the movement downward is more rapid in the central portions relative to the peripheral zones. The ore and the coke show distinctly differing rates of the displacements with a characteristic circulation of the coke in the lower portions of the shaft. The limestone shows a slower motion downward the more the reactions occur in the charges, when 1st CaCO_3 is dissociated and the 1st slugs are formed. W. Eitel

7
1-4E2C
1-4E3D
1-RMF
1-JWM

11
JG RY RM

GRECH, V.I., inzh.; KOZLACHKOVA, N.E., inzh.; SEMTANICH, V.S., inzh.

Conference of young hydraulic engineers of the All-Union Trust for the
Designing and Planning of Hydroelectric Power Plants. Gidr, stroi. 31
no. 2:62-63 F '61. (MIRA 14:3)
(Hydroelectric power station)

SEMTEL, LASZLO.

Konnyuipari vallalatok munkaügyi tervezese. (Irtak)

Semtei Laszlo (es) Tatar Jozsef. Budapest, Konnyuipari Kiado,
1954, 178 p. (Planning labor management in enterprises of light
industry. tables)

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, No. 2, Feb. 1956

ARSENHVI, A.Yu.; BOGDANOV, M.N.; GORIZONTOVA, Ye.A.; YERSHOVA, Ye.I.;
YELENBAUM, N.I.; IOFE, N.Sh.; KARAVAYEV, A.M.; KOLOBOV, G.M.;
LOBIN, N.V., kand. sel'khoz. nauk; KUSHNER, Kh.F., doktor biolog.
nauk; MISHIN, P.N.; PATRIK, I.A., kand. sel'khoz. nauk; REDIKH,
V.K., kand. sel'khoz. nauk; SEMTNEV, S.I., akademik; SAMOLETOV,
A.I.; FILASOV, V.V.; SHKUDOVA, R.I.; SOKOLOVA, G.S., red.;
ROMANOVICH, Ye.F., red.; LEVINA, L.G., tekhn. red.

[Chickens for meat] TSypliata na miaso. Moskva, Izd-vo M-va
sel'khoz. RSFSR, 1960. 197 p. (MIRA 15:1)
(Poultry)

SUBJECT USSR/MATHEMATICS/Theory of functions CARD 1/1 PG - 351
 AUTHOR KUFAREV P.P., SEMUCHINA N.V.
 TITLE On the extension of the variation method of G.M. Golusin on doubly connected domains.
 PERIODICAL Doklady Akad. Nauk 107, 505-507 (1956)
 reviewed 10/1956

Golusin's method (Mat. Sbornik 19, 203 (1946); *ibid.* 21, 83 (1947)) for the computation of the extremal problems for functions being one-sheeted in a simply connected domain is extended to functions being one-sheeted in a ring domain. Two theorems are formulated without proof: If the boundaries of the doubly connected domains $G(t)$ ($t_0 - a < t < t_0 + a$) satisfy certain conditions and $w = F(z, t)$ maps the domain $G(t)$ conformally onto the ring $r(t) < |w| < R(t)$,

where $R(t)$ is differentiable in $t = t_0$ and there exists $\left. \frac{\partial \arg F(z, t)}{\partial t} \right|_{t=t_0}$,

then there also exists $\left. \frac{\partial \phi(w, t)}{\partial t} \right|_{t=t_0}$, where $z = \phi(w, t)$ is the function being inverse to $F(z, t)$. Here $\left. \frac{\partial \phi}{\partial t} \right|_{t=t_0}$ satisfies a rather complicated relation. The

second theorem gives the generalization of Golusin's formula for doubly connected domains.

INSTITUTION: University, Tomsk.

SEMUKHA, V. I.

Conference of young physicians. Zdrav. Belor. 4 no.2:71-72 F
'58. (MIFA 13:8)

(GRODNO PROVINCE—PHYSICIANS)

SEMUKHA, V.I.

Polyclinic outpatient care. Zdrav. Belor. 6 no.9:3-6 S '60.
(MIRA 13:9)

1. Nachal'nik Upravleniya lechebno-profilakticheskoy pomoshchi
Ministerstva zdравookhraneniya BSSR.
(WHITE RUSSIA—MEDICAL CARE)

SEMUKHA, V.I.

For further improvement in the work of the Red Cross Society.
Zdrav. Bel. 7 no.3:48-50 Mr '61. (MIRA 14:3)

1. Predsedatel' Tsentral'nogo komiteta Obshchestva Krasnogo Kresta
BSSR.

(WHITE RUSSIA--RED CROSS)

SEMUKHA, V.I.

Meetings with friends. Zdrav.Bel. 8 no.11:92-93 N '62. (MIRA 16:5)

1. Predsedatel' Tsentral'nogo komiteta Obshchestva Krasnogo
Kresta BSSR.
(AFRICA, FRENCH WEST--ECONOMIC ASSISTANCE, RUSSIAN)

SEMUKHINA, G.V.; BARSKIY, V.D.; NOSKOV, V.V.

Photometric determination of small amounts of pyridine bases in phenols.
Zhur.anal.khim. 19 no.9:1155-1158 '64. (MIRA 17:10)

1. Kuznetskiy filial Vostochnogo nauchno-issledovatel'skogo instituta,
Novokuznetsk.

KUFAREV, P.P.; SEMUKHINA, N.V.

On a problem of N.N.Luzin. Usp.mat. nauk 9 no.4:183-185 '54.
(Conformal mapping) (MLRA 8:1)

KUFAREV, P.P.; SEMUKHINA, N.V.

Extension of Geluzin's variation method to biconnected regions.
Dokl.AN SSSR 107 no.4:505-507 Ap '56. (MLRA 9:7)

1.Tomskiy gosudarstvennyy universitet imeni V.V.Kuybysheva.
Predstavlene akademikom M.A.Lavrent'yevym.
(Functions) (Calculus of variations)

SEMUSHIN, A.D., redaktor; TSVETKOV, I.L., redaktor; TIMOKHIN, S.T.
— tekhnicheskii redaktor.

[Methodology problems in teaching mathematics in secondary schools; collected articles from work practice of mathematics teachers in classes 5-10] Voprosy metodiki matematiki v srednei shkole; sbornik statei iz opyta uchitelei matematiki V-X klassov. Pod red. A.D. Semushina. Moskva, Izd-vo Akademii nauk RSFSR, 1954. 111 p.
(MLRA 8:8)

1. Akademiya pedagogicheskikh nauk RSFSR, Moscow. Institut metodov obucheniya.
(Mathematics--Study and teaching)

SEMUSHIN, A. D.

SEMUSHIN, A. D.- "Construction and Application of Figures in the Course of Stereometry in Middle Schools." Acad Pedagogical Sci RSFSR, Sci Res Inst of Methods of Teaching, Moscow, 1955 (Dissertations for the Degree of Candidate of Pedagogical Sciences)

S0: Knizhnaya Letopis' No. 26, June 1955, Moscow

SEMUSHIN, A.D., redaktor; GMURMAN, V.Ye., redaktor; MUKHINA, T.N.,
tekhnicheskii redaktor

[Problems in improving the students' knowledge of mathematics]
Voprosy povysheniia kachestva znanii uchashchikhsia po matematike.
Pod red. A.D.Semushina. Moskva, 1955. 181 p. (MLRA 9:11)

1. Akademiya pedagogicheskikh nauk RSFSR, Moscow. Institut metodov
obucheniya.
(Mathematics--Study and teaching)

SEMUSHIN, A.D.; ZORINA, Ya.A., redakter; MUKHINA, tekhnicheskii redakter.

[Practical application in the teaching of mathematics; work practice in classes 5-10, a collection of articles] Politekhnikheskie sbuchenie v prepodavanii matematiki; iz opyta raboty v V-X klassakh, sbornik statei. Ped red. A.D.Semushina. Moskva, 1956. 226 p.

(MIRA 9:5)

1. Akademiya pedagogicheskikh nauk RSFSR, Moscow. Institut metodov sbucheniya.

(Mathematics--Study and teaching)

ASHKINUZE, V.G., nauchnyy sotrudnik; GIBSH, I.A., nauchnyy sotrudnik;
MASLOVA, G.G., nauchnyy sotrudnik; NESHKOV, K.I., nauchnyy
sotrudnik; NIKITIN, N.N., nauchnyy sotrudnik; SEMUSHIN, A.D.,
nauchnyy sotrudnik; FETISOV, A.I., nauchnyy sotrudnik; KOSTE-
LOVSKIY, V.A., red.; TARASOVA, V.V., tekhn.red.

[Teaching mathematics in schools in the 1959/60 school year]
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