

NOVAKOVA, O.

CZECHOSLOVAKIA/Electronics - Photocells and Semiconductor Devices H-8

Abs Jour : Ref Zhur - Fizika, No 10, 1958, No 23382

Author : Silar Josef, ~~Novakova Olga~~
Inst : Higher Institute on Electrotechnical Physics, Prague,
Czechoslovakia
Title : Study of the Integral and Local Sensitivity of Photocathodes
and their Influence on the Horizontal Portion of the Characteristic of a Scintillation Detector.

Orig Pub : Ceskosl. cesop. fys., 1957, 7, No 5, 582-589

Abstract : Results are reported on the measurement of the integral sensitivity, sensitivity in the blue region of the spectrum (so-called "blue" sensitivity), the dependence of the output current on the position of the light probe on the cathode for photomultiplier types RCA-5819, FEU-19 (new and old models), and photomultiplier 61 PK 411 of Czechoslovak make. An investigation was made of the influence of the above parameters on the shape of the curve that represents the dependence of the number of pulses per minute on the voltage

Card : 1/2

CZECHOSLOVAKIA/Electronics - Photocells and Semiconductor Devices H-8

Abn Jour : Ref Zhur - Fizika, No 10, 1956, No 23383

Author : Siler Josef, Novakova Olga

Inst : Not Given

Title : Study of the Integral and Local Sensitivity of Photocathodes and Their Influence on the Horizontal Portion of the Characteristic of a Scintillation Detector.

Orig Pub : Chokhosl. fiz. zh., 1957, 7, No 5, 614-623

Abstract : See Abstract 23382.

Card : 1/1

hr

Country : Czechoslovakia

H-6

Situation :

Date :

34.75

Author : Vasek, V.; Vasek, V. and Novakova, O.; Vasek, V. and

Institut. : Not given

Title : Analysis of industrial Atmospheres. I. (No subtitle).
Determination of Nitrobenzene. III. Determination of Lead. IV. Adsorption of Toxic Substances in

Pub. No. : Wash Bottle Equipped with Porous Plug.
Tracovní aparát, 1, 10, 3, 440-441; 10, 5, 440-441; No. 1, 10, 3, 440-441

Abstract : I. The author also describes briefly the problems involved in the analysis of industrial atmospheres: sampling, treatment, measurement of gas volume, preparation of equipment, selection of proper analytical procedures. A brief evaluation of various analytical procedures is given; among the procedures mentioned are gravimetry, spectrography, colorimetry, and polarography. See also diagram of a number of analyzers (p. 10-11).

II. The authors describe a polarographic method for the determination of nitrobenzene (1) in industrial atmospheres, based on the reaction of 1 with pyridine

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* NOVAKOVA O. H. 12

Country : Czechoslovakia
Category :

Abs. Jour. :

39155

Author :
Institut. :
Title :

Orig Pub. :

Abstract : II: the air to be analyzed (3 liters) is sucked at the rate of 1 liter per 15-20 min through a small absorber with a porous plug filled with 5 ml II. The contents of the absorber are poured into a 10 ml volumetric flask and the absorber is washed with 0.1 N CH_3COOH ; the wash solution is used to bring up the contents of the volumetric flask to the mark. The resulting solution is polarographed at 0.2 v (on the saturated calomel electrode scale); before polarographing a stream of H_2 is passed into the solution [to sweep out O_2]. The calibration curve is plotted by using 3.0 ml of a standard solution of I in II, corresponding to a I content of 10-60 γ gm I.

Card:2/4

VASAK, V.; NOVAKOVA, O.

Analysis of industrial air. II. Determination of nitrobenzene. Pracovni
lek. 9 no. 4:343-346 Sept 57.

1. Praha, 1. Kozi 4.

(NITROBENZENE, determ.

in air in indust. (Cz))

(AIR POLLUTION, prev. & control

determ. of nitrobenzene in air in indust. (Cz))

NOVAKOVA, O.

Distr: 4E3c/4E3d

✓ Basic properties of scintillation detectors with NaI(Tl) crystals. Josef Silar and Olga Novakova (Inst. elec. phys., Prague). *Jaderna energie* 12:4 (1965).—The parameters of γ -ray counters with NaI(Tl) crystals are detd. Tabulated expts. show that the length and the slope of the detector plateau, the background, and the signal-to-noise ratio guarantee a good reproducibility of measurements. Detectors with NaI(Tl) crystals are superior to detectors with Geiger-Müller tubes, especially for measurements of low-activity γ -rays.

G. P. Rosenbaum --

25

Jan RMB

89373

Z/038/60/000/011/002/006

A201/A026

215200

AUTHORS :

Nováková, Olga; Šilar, Josef

TITLE:

Detection of Extremely Low Gamma Activities With Scintillation De-

PERIODICAL:

Jaderná energie, 1960, No. 11, pp. 365 - 378

TEXT: The article describes the basic parameters of scintillation detectors used for the detection of extremely low gamma activities. The most important prerequisites of such detectors are: (1) maximum sensitivity; (2) optimum geometric efficiency between the measured sample and the detection volume; (3) low background and minimum background fluctuation; (4) design that will permit measurements of samples with sufficiently large volume with good geometric efficiency. Furthermore, the detector sensitivity, detector sensitivity threshold, and factors influencing its long-term stability are defined, and the relations for the measurement-time calculation for a desired accuracy, for the evaluation of the detectors in relation to their low-gamma-activity measuring capability, and for the setting of the optimum detector parameters are derived on the grounds of statistical considerations. Four types of scintillation detectors for measuring liquid gamma

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Detection of Extremely Low Gamma Activities With Scintillation Detectors

sources are described, namely the well-type, ring-cell type, beaker-type, and immersion-type. Their respective schematic diagrams are shown in Figure 8. The well-type scintillation detectors feature the highest sensitivity and a nearly 4π-geometry. Their disadvantage is that the volume of the well restricts the volume of the measured samples to about 5 cm³. The ring-cell type detectors have a considerably poorer geometric efficiency, by their design permits measurements of samples up to 1 liter. Their disadvantage is also that the ring-cells have to be custom-made for each crystal and lead-shield size. The beaker-type has a still poorer geometric efficiency than the ring-cell type detector, but standard beakers can be used. Low, large-diameter crystals are best suitable for this type. The immersion-type detectors have a geometric efficiency similar to that of the ring-cell type and are especially suitable for measuring gamma activities in large water reservoirs. The Tesla-Liberec n.p. - Výzkumný závod (Tesla-Liberec, National Enterprise, Research Plant) in Přemýšlení has designed the following 4 types of low-activity scintillation detectors: (1) A well-type scintillation detector (Figure 9). It uses a probe with a 61 PK 411 photomultiplier tube and a cathode follower, both produced by the plant, and an NaI (Tl) crystal, 50 mm high, 45 mm in diameter with a well 37 mm deep, 19 mm diameter, capable of accomodating a 5 cm³-sam-

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Detection of Extremely Low Gamma Activities With Scintillation Detectors

ple. The probe is enclosed in a pear-shaped lead shield, which was originally designed for a directional scintillation counter also produced by the plant. The electronic part comprises a high-voltage power supply, a pulse amplifier, a discriminating circuit, and an evaluation unit. Samples are filled in mass-produced vials, which are then inserted into the crystal well. (2) A ring-cell type detector using a standard NaI (Tl) crystal, 25 mm high, 33mm in diameter, and an "Umaplex" ring-cell with a maximum capacity of 40 cm³. (3) A beaker-type detector (Fig. 15). It uses a standard NaI (Tl) crystal, 25 mm high, 38 mm in diameter. Standard "Sial 150" beakers are used which are placed directly on the scintillator. The lead shield, probe design and electronics are similar to those of the well-type detector. (4) A beaker-type detector with a large NaI (Tl) crystal (Fig. 16). It consists of a lead casing, 270 mm high, 45 mm thick, in which a probe is mounted with a 61 PK 421 photomultiplier and an NaI (Tl) crystal, 45 mm high, 90 mm in diameter, grown in the chemical section of the plant. Radioactive solutions are filled either into a mass-produced glass vessel, 120 mm in diameter, or into a 0.5 liter bottle, 80 mm in diameter. Use of 2,000 cm³ bottles is also possible. From theoretical analyses and from experimental results it can be stated that well-type scintillation detectors can detect a minimum total activity of the order of 10⁻¹² Ci.

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A201/A026

Detection of Extremely Low Gamma Activities With Scintillation Detectors

and the large-volume beaker-type detectors can detect specific activities as low as 10^{-13} c/cm^3 . These values were established in measurements of Fe-59, which emits 1 gamma-quantum per decay. In order to obtain accurate results for other sources the instruments will have to be calibrated according to the investigated sources. The sensitivity threshold of the scintillation detectors for the majority of radioactive sources lies below the permissible values set forth by the Czechoslovak standard ČSN 34 1730 from 1956, for the concentration of radioactive substances in drinking water. (Editors: I. Bučina, Z. Spurný) There are 3 photographs, 15 figures, 15 tables and 11 references: 2 Czech, 2 German and 7 English.

ASSOCIATION: Tesla Liberec, n.p. - Výzkumný závod (Tesla Liberec, National Enterprise, Research Plant) in Přemýšlení

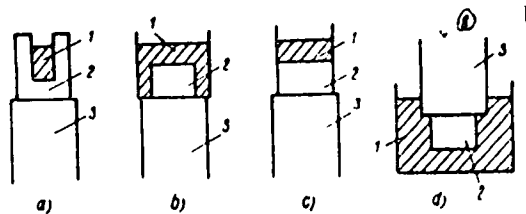
Card 4/7

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A201/A026

Detection of Extremely Low Gamma Activities With Scintillation Detectors

Figure 8: Schematic diagrams of scintillation detectors for measurements of liquid gamma sources. 1 - liquid gamma-source sample, 2 - NaI (Tl) crystal, 3 - photo-multiplier, a - well-type scintillation detector, b - ring-cell type scintillation detector, c - beaker-type scintillation detector, d - immersion-type scintillation detector.



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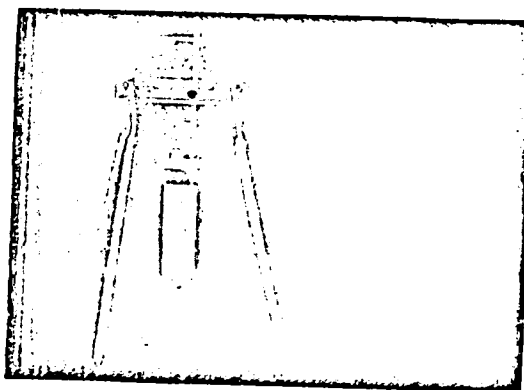
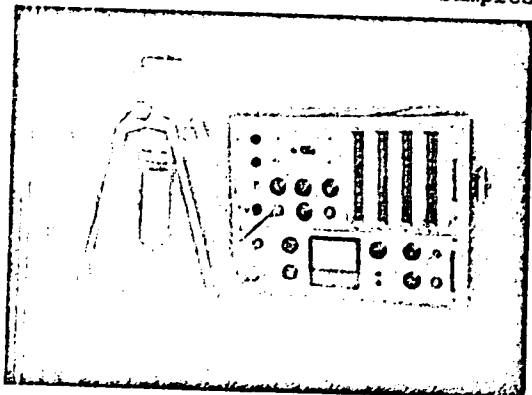
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A201/A026

Detection of Extremely Low Gamma Activities With Scintillation Detectors

Figure 9: Well-type scintillation detector in complete set-up. In foreground injection vials for liquid gamma-source samples

Figure 15: Beaker-type scintillation detector in complete set-up



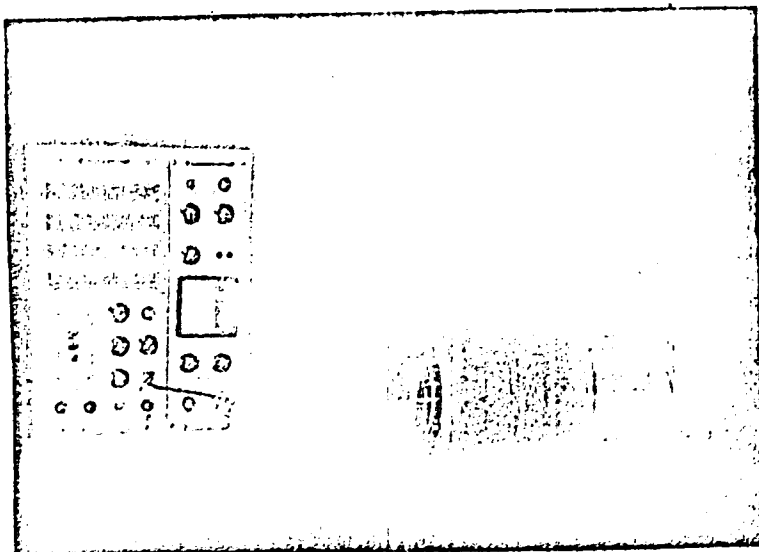
Card 6/7

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A201/A026

Detection of Extremely Low Gamma Activities With Scintillation Detectors

Figure 16: Beaker type scintillation detector with a large NaI (Tl) crystal in complete set-up



Card 7/7

PELNAR, Premysl; KURETOVA, Vera; NOVAKOVA, Olga; ROURAL, Frantisek; SPLICHAL,
Alois

Health conditions of uranium ore sorters. Pracovni. lek. 12 no.3:
125-129 Ap '60.

1. Zavodni ustav narodniho zdravi Jachymovskych dolu, n.p.,
Pribram.

(URANIUM)

SILAR, Josef; NOVAKOVA, Olga

Gamma single-crystal scintillation spectrometer, its parameters
and use. JADERNA energie 9 no.6:190-199 Je '63.

1. Tesla Pardubice, Vyzkumny zavod Premysleni.

L 18490-66 EWP(j)/EWA(h)/EWA(1) DIAAP RM

ACC NR: AP6010238

SOURCE CODE: CZ/0038/65/000/005/0180/0180

AUTHOR: Novakova, Olga

ORG: Tesla Research Works, Premysleni, Prague (Vyzkumny zavod Tesla Premysleni) ³⁴ B

TITLE: Low beta activity detection in liquids. II.

SOURCE: Jaderna energie, no. 5, 1965, 180

TOPIC TAGS: beta detection, scintillator, ion exchange, radioactivity measurement

ABSTRACT: Continuous direct measurements of beta activity are discussed. Use of thin plastic scintillators for low activity measurements and the enrichment of samples by ion exchange are described. Calculation of sensitivity of detectors of various types is discussed. Experimental results obtained with large area through-flow counters are evaluated. Design of an apparatus for measuring continuous and discontinuous water activity is discussed. [JPRS]

SUB CODE: 18 / SUBM DATE: none

Card 1/1 LC

UDC: 539.12.082: 539.12.075:62-5: 621.039.763

L 13876-66

ACC NR: AP6001828

SOURCE CODE: CZ/0030/65/000/012/0369/0372

AUTHOR: Novakova, O.

ORG: Palacky University, Olomouc (Universita Palackeho)

TITLE: Some physical problems in physiological optics

SOURCE: Jemna mechanika a optika, no. 12, 1965, 369-372

TOPIC TAGS: optics, physiology, vision, optic instrument

ABSTRACT: The author discusses several physical problems involved in physiological optics, specifically the function of transmission of contrast by the eye, the visual capacity of the eye, the problem of color vision, and the visual capacity of the eye in twilight. The article is based on the German literature, particularly the works of O. Bryngdahl (Die Naturwissenschaften, 1964, 51, 177), and describes the current level of research in physiological optics. These problems are important in the manufacture of optical instruments. The author concentrates primarily on the problem of the function of the transmission of contrast in the visual system and methods of measurements. The methods of measuring the modulation function of transmission and the threshold modulations on the retina of the eye are described, as is the method used by A. Arnulf (Abbilden und Sehen, Munchen, 1962, VI. Internationaler Kongress fur Optik, 11-15) and those used by Bryngdahl. The contrast test is explained by means of diagrams. The author points out that the article does not cover all the problems involved. Orig. art. has: 4 figures.

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B

TS
Card 1/1

SUB CODE: 06, 20/SUBM DATE: 10Aug65/OTH REF: 009/

ATD PRESS: 4194

[08]

NOVAKOVÁ, O. (Praha 10, Šrobárova 50); HYGIENIK, 7.

Determination of free and bound bilirubin in the blood. *As.
lék. Česk. 105 no.1:6-10 7 Ja '66.*

1. I. klinika nemoci vnitřních lékařské fakulty hygienické
Karlovy University v Praze (prednosta prof. dr. V. Jonas,
DrSc.). Submitted August 1964.

ZNAMENACEK, K.; PRIBYLOVA, H.; technicka spoluprace: VYDLAKOVA, H.;
KUPKOVA, K.; GIHLAROVA, K.; NOVAKOVA, S.

Effect of glucose and insulin administration on the glyceimic curve
in newborn infants. Cesk. pediat. 18 no.2:104-109 P '63.

1. Ustav pro peci o matku a dite v Praze, reditel doc. dr. M.Vojta,
vedouci pediatrickeho vyzkumu doc. dr. K.Polacek, CSc.
(GLUCOSE) (INSULIN) (BLOOD SUGAR)

NOVAKOVA, V.

JANDA, J.; NOVAKOVA, V.; SEKYROVA, M.

Survey of morbidity and accidents in state industrial schools.
Pracovi lek. 7 no.2:80-86 Apr 55.

1. Ustav hygieny prace a chorob z povolani.
(VITAL STATISTICS,
morbidity in state indust. schools in Czech.)
(ACCIDENTS, statistics,
in Czech., state indust. schools)

CZECHOSLOVAKIA/Human and Animal Physiology. The Nervous System: T-12

Obs Jour : Ref Zhur - Biol., No 14, 1958, No 65651

Author : Novakova, V.

Inst : -

Title : The Problem of Studying the Dynamics of Postepileptic Inhibition

Orig Pub : Ceskosl. fysiол., 1957, 6, No 1, 39-44

Abstract : A study was made of the interaction of inhibition arising in rats after convulsions (from an auditory stimulus), after being tied down for 75 seconds (Bures, *ibid*, 1953, 2, 14), and after being rotated on the vertebral axis (Svorad, *ibid*, 1954, 3, 203). In the first and second cases there was mutual potentiation of inhibition. Phase relationships were observed, however, when rotation of the animal, more effective with respect to inhibition, prolonged postepileptic inhibition to a lesser extent than binding the animal or rotation at a slower rate of acceleration. The duration of

Card : 1/2

СВЕДЕНИЯ/Знаки и символы в деятельности Нервной Системы.
Higher Nervous System Behavior.

Ис. Журн: Изв. Акад. Наук СССР, 1977, 93-94.

Author : Kovakova, V., Serik, A., Ladin, Z., Chichikova, L.

Inst :

Title : A Contribution to the Problem of Characteristics of
Higher Nervous Activity in Rats with Audiogenic Epi-
leptic Seizures.

Orig Pub: Physiol. Bull. USSR, 1977, 6, No. 3, 37-38.

Abstract: H. abstract.

Cards : 1/1

10.

CZECHOSLOVAKIA/Inman and Animal Physiology. Nervous System.
Higher Nervous System. Behavior.

T

Abstr Jour: Ref Zhur-Biol., No 20, 1958, 93633.

Author : Nowakawa, V., Servit, A., Lodin, Z., Czechoslovakia. I.

Inst :
Title : Contribution to the Problem of the Characteristics
of Higher Nervous Activity in Rats with Audiogenic
Epileptic Fits.

Orig Pub: Coskosl. fysirol., 1957, 6, No 3, 382-388.

Abstract: In rats which were "insensitive" in regard to audiogenic
epilepsy it was comparatively easy to develop condi-
tioned reflexes to audible stimuli (according to Ver-
nin's motor-feeding method) and just as easy to differ-
entiate them. "Sensitive" rats also developed these
conditioned reflexes; however, differentiating inhi-

Card : 1/2

CZECHOSLOVAKIA / Human and Animal Physiology (Normal and Pathological). Nervous System. Epilepsy T

Abs Jour: Ref Zhur-Biologiya, No 21, 1958, 97869

Author : Novakova, V., Lodin, Z., Servit, Z., Chocholova, L.

Inst : Not given

Title : On Interconnection of Experimental Neurosis and Audiogenic Epilepsy

Orig Pub: Ceskosl. fysiол., 1957, 6, No 3, 389-395

Abstract: Conditioned motor alimentary reflexes were produced according to the method of Voronin in rats. A neurosis was created by producing the differentiation to strong sound stimulants or by fast exchanges of differentiated and positive conditioned alimentary stimulants. By this, phase conditions

Card 1/2

NOVAKOVA, V.

Studies on the relationship between the processes of generalized motor inhibition. *Cesk. fysiolog.* 6 no.4:489-493 Nov 57.

1. Fysiologicky ustav CSAV, Praha

(CENTRAL NERVOUS SYSTEM, physiology,

relationship between generalized motor inhib. & excitation
in rats (Cz))

CZECHOSLOVAKIA/Human and Animal Physiology. The Nervous System. T-12

Abstr Jour : Ref Zhur - Biol., No 14, 1958, No 65652

Author : Novakova V.

Inst : -

Title : ~~A Report on a Study of the Connection Between Processes of~~
Generalized Motor Inhibition and Excitation in the Central
Nervous System of the Rat

Orig Pub : Physiol. bohemosl., 1957, 6, No 4, 500-506

Abstract : No abstract

Card : 1/1

99

Abstract: No abstract

HOYAKOVA, V.

Certain variations of neural activity in sensitive and non-sensitive rats to audiogenic irritation. Cesk. fysiол. 7 no.3:202-203 May 58.

1. Fysiologicky ustav CSAV, Praha.

(CONVULSIONS, exper.

audiogenic seizures, neural variations in sensitive & non-sensitive rats (Cz))

(NOISE, eff.
same)

(REFLEX, CONDITIONED,

in rats non-sensitive & sensitive rats to audiogenic seizures (Cz))

EXCERPTA MEDICA Sec 2 Vol 12/9 Physiology Sept 59

4321. CENTRAL INHIBITION AND DECEREBRATE RIGIDITY. THE MECHANISM OF POSTPAROXYSMAL INHIBITION - Nováková V. Inst. of Physiol., Czechoslovak Acad. of Scis, Prague - *PHYSIOL. BOHEM.* 1958, 7/6 (509-513) Graphs 1 Tables 1

After an epileptic seizure evoked by electroshock or an acoustic stimulus in the rat the following reflex reactions, analogous to decerebrate rigidity, were elicited: Sherrington's reflex patterns (vestibular stimulation of deep cervical muscles, passive flexion of the fore-limb, Philipson's reflex) and a stretch reflex. These reactions were present during the disappearance of mesencephalic postural reflexes and their temporary inhibition was possible by nociceptive stimulation or anaesthesia. The above reactions after electroshock were the same as after decerebration. After an audiogenic seizure, Philipson's reflex and Sherrington's reflex patterns to flexion of a fore-limb occur less frequently than after decerebration.

SVORAD, D.; NOVAKOVA, V.

Relation of experimental neuroses to insomnia. *Cesk. fysiол.* 8 no.2:
139-140 Mar 59.

1. Fysiologicky ustav CSAV, Praha. Predneseno na I. celostatnim sjezdu
CS. psychiatricke spolecnosti, sekce Cs. lek. spolecnosti J. Ev. Purkynse
v Marianskych Laznich dne 22. 11. 1958.

(NEUROSES, exper.

relation to insomnia (Cz))

(SLEEP DISORDERS, exper.

insomnia, relation to neuroses (Cz))

NOVAKOVA, V.; SVORAD, D.

Problem of experimental neuroses in animals. *Cesk. fysiolog.* 8 no.2:
140-141 Mar 59.

1. Fysiologicky ustav CSAV Praha, Predneseno na I. celostatnim psy-
chiatrickem sjezdu dne 24. 11. 1958 v. Marianskych Laznich.

(NEUROSES, experimental,
(Cz))

NOVAKOVA, V.

Effect of afferent signals on the appearance of conditioned reflexes.
Cesk. fysiolo. 8 no.3:228-230 Apr 59.

1. Fysiologicky ustav CSAV Praha. Predneseno na III. fysiologickych dnech v Brne dne 14. 1. 1959.

(REFLEX, CONDITIONED,
eff. of afferent signals (Cz))

NOVAKOVA, V.; DLOUHA, H.

Effect of spreading afferent signalization to the central nervous system to the intake and excretion of water in rats. Cesk. fysiол. 8 no.5:423-425 S '59

1. Fysiologicky ustav CSAV, Praha.
(BRAIN physiol.)
(URINATION physiol.)
(WATER)

NOVAKOVA, V.;SVORAD, D.

On certain experimental aspects of experimental insomnia. Cesk.
fysiol. 9 no.1:40-41 Ja 60.

1. Fysiologicky ustav CSAV, Praha.
(INSOMNIA, exper.)

SVORAD, D.; NOVAKOVA, V.

Effect of sleep deprivation on sleep and wakefulness / ths.
Cesk. fysiolo. 9 no.1:53-54 Ja 60.

1. Fysiologicky ustav CSAV, Praha.
(SLEEP physiol.)

SVOROD, D.; NOVAKOVA, V.

Certain manifestations of the "sensory deprivation". *Cesk.fyzicl*
9 no.3:267-268 My '60.

1. Ustav experimentalni mediciny SAV, Bratislava, Fysiologicky
ustav CSAV, Praha.
(SENSATION)

NOVAKOVA, V.

Reflex characteristics of post-paroxysmal stages of epileptic seizures. Cesk.fysiol.9 no.6:542-552 N '60.

1. Fysiologicky ustav CSAV, Praha.
(EPILEPSY physiol)

SVORAD, D.; NOVAKOVA, V.

Effect of experimentally induced insomnia on neurotic states in
rats. Fiziol.zhur. 46 no.1:57-63 Ja '60. (MIRA 13:5)

1. From the Czechoslovak Academy of Sciences Institute of Physiology,
Prague.

(NEUROSIS exper.)

(INSOMNIA exper.)

ABRAHAM, J.; FALTIN, J.; NOVAKOVA, V.

Automatic apparatus for the study of higher nervous activity
in rats. Cesk. fysiол. 10 no.5:464-465 '61.

1. THS Biologických ustavu CSAV, Fysiologický ustav CSAV, Praha.
(PHYSIOLOGY equip & supply)
(CENTRAL NERVOUS SYSTEM physiол)

NOVAKOVA, V.

Experimental neuroses in animals. Zhur. vys. nerv. deiat. 11 no.1:
151-156 Ja-F '61. (MIPA 14:5)

1. Physiological Institute, Czechoslovakian Academy of Sciences,
Prague.

(NEUROSES)

(REFLEXES)

NOVAKOVA, V.; STERC, J.; FALTIN, J.

The role of sodium chloride in the excitability of the central nervous system of the rat. *Physiol. Bohemoslov.* 12 no.4:317-324 '63.

1. Institute of Physiology, Czechoslovak Academy of Sciences, Prague.

(SODIUM CHLORIDE) (CONVULSIONS) (ELECTRICITY)
(CENTRAL NERVOUS SYSTEM) (PENTYLENETETRAZOLE)
(ELECTROENCEPHALOGRAPHY) (REFLEX, CONDITIONED)
(PHOTOMETRY) (SODIUM) (POTASSIUM)
(DIET, SALT-FREE)

NOVAKOVA, V.; KOLDOVSKY, O.; FALTIN, J.; HAHN, P.; FLANDERA, V.

Conditioned reflex activity in male rats weaned normally or prematurely. *Physiol. Bohemoslov.* 12 no.4:325-331 '63.

1. Institute of Physiology, Czechoslovak Academy of Sciences, Prague.

(REFLEX, CONDITIONED) (ANIMALS, NEWBORN)
(DIET) (DIETARY FATS) (BEHAVIOR, ANIMAL)

NOVAKOVA, V.; KOLDOVSKY, O.; FALTIN, J.; HAHN, P.; FLANDERA, V.

The effect of premature weaning and high fat diet on retention of a memory trace in male rats. *Physiol. Bohemoslov.* 12 no. 4: 533-540 '63.

1. Institute of Physiology, Czechoslovak Academy of Sciences, Prague.

(DIETARY FATS) (MEMORY)
(REFLEX, CONDITIONED)
(BEHAVIOR, ANIMAL) (ANIMALS, NEWBORNS)
(NUTRITION)

LODIN, Z.; NOVAKOVA, V.; PILNY, J.; MED, F.; HARTMAN, J.

The use of planimetry in cytology. *Physiol. Bohemoslov.* 12
no.6:590-598 '63.

1. Institute of Physiology, Czechoslovak Academy of Sciences,
Prague.

(HISTOLOGICAL TECHNICS) (MICROSCOPY)
(CYTOLOGY) (LENSES) (EQUIPMENT AND SUPPLIES)

1. FAIT, J.; VAR, J.; FAIT, J.; FAIT, J.

The importance of the type of working conditions for the health of the worker.
Ann. v. rev. sup. (Gene) 200. 111-115.

1. Institute of Physiology, Czechoslovak Academy of Sciences, Prague. 2. ...Fait's address: ...6, Fleming vo ...

NOVAKOVA, V.; FALTIN, J.; KOLDOVSKY, O.; SASEL, I.; SPACER, J.

On possibilities of compensating changes in higher nervous activity due to premature weaning of rats. *Activ. nerv. sup.* (Praha) 7 no.2:135-137 1965

.. Institute of Physiology, Czechoslovak Academy of Sciences, Prague 2. V. Novakova's address: Praha 1, Clementova 1.

STERC, J.; NOVAKOVA, V.; FALTIN, J.

The importance of NaCl and KCl in food for central nervous excitability in rats. *Activ. nerv. sup. (Praha)* 7 no.2: 146-147 '65

1. Institute of Physiology, Czechoslovak Academy of Sciences, Prague. 2. J.Sterc's address: Praha 6, Flemingovo nam. 2.

L 12937-66

ACC NR: AP6005641

SOURCE CODE: CZ/0079/65/007/002/0146/0147

AUTHOR: Sterc, J.; Novakova, V.; Faltin, J.

ORG: Institute of Physiology, Czechoslovak Academy of Sciences, Prague

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B

TITLE: Importance of NaCl and KCl in food for central nervous excitability in rats
[This paper was presented at the Third Interdisciplinary Conference on Experimental and Clinical Study of Higher Nervous Functions held in Marianske Lazne from 19 to 23 October 1964.]

SOURCE: *Activitas nervosa superior*, v. 7, no. 2, 1965, 146-147

TOPIC TAGS: sodium chloride, potassium chloride, rat, central nervous system, conditioned reflex, EEG, nervous system drug

ABSTRACT: Electroshock threshold was measured on the 12th, 19th, 29th, 70th, and 200th day of the experiment. With hyposodium diet the seizure susceptibility to electroshock was increased on the 29th and 70th days with prevalent tonic convulsions. Seizure susceptibility of rats on potassium diet did not differ from that of controls. Forming of conditioned reflexes was compared after the 29th day. Controls needed an average of 62 ± 7 connections, those on hyposodium diet 146 ± 19 , for potassium diet the figure was 130 ± 6 . After sensitization of rats with cardiazol, EEG of rats on a hyposodium diet showed a higher incidence of spontaneous spike activity; K nearly compensated the values of the controls. Conditioned reflex activity is a very good indicator of changes in central nerv-

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ACC NR: AP6005641

ous functions. Orig. art. has: 1 figure. [JPRS]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 002 / OTH REF: 002

Card 2/2 HW

CZECHOSLOVAKIA

BAUER, J.; NOVAKOVA, V.; STERC, J.; Department of Physiology,
Czechoslovak Academy of Sciences (Fysiologicky stav CSAV), Prague.

"Role of Dietary Iodide on Higher Nervous Activity in Rats."

Prague, Ceskoslovenska Fysiologie, Vol 14, No 5, Oct 1965; p 338-339.

Abstract: Potassium iodide as feed additive was found to have a greater role than the type of diet in rats fed 4 diets differing in the percentage of fat, carbohydrates and proteins. Graph, 2 Czech references. Paper presented at the 15th Physiology Days, Olomouc, 26 May 65.

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CZECHOSLOVAKIA / Weeds and Weed Control

N

Abs Jour: Ref Zhur-Biol., 1958, No 17, 77966

Author : Novakova, Vera

Inst : Not given

Title : Use of Hormonal Herbicides in Horticulture.

Orig Pub: Ovocnar. a zelinar., 1957, 5, No 5, 141-142

Abstract: The effect of two substances prepared on the basis of 2M-4X, under the name dicotex, and on the basis of 2.4-D-hormite were studied: the first in a dose of 15 kg/ha, with a content of 10% active solution, and the second in a dose of 1.5 kg/ha in 1000 l of water per 1 ha. No negative effect was observed on tulips, narcissus and

Card 1/2

STAMBERA, J., doc., inz., C.Sc.; LUZNY, J., inz.; NOVAKOVA, Z., promovany
biolog

Need for introduction of heterosis effect in vegetable cultivation.
Vestnik vyzk zemedel 9 no.7:358-363 '62.

RABOCHA, K., MUDr.; VACHA, K. doc. dr.; NOVÁČEK, J., MUDr. Hradec Králové,

Analysis of antenatal mortality in the region of Hradec Králové.
Cesk. zdrav. 12 no.9:442-447, 1964.

1. Gynek.-; porodnicka klinika Lekarske fakulty Karlovy Univerzity v
Hradec Kralove a Organizačne metodické oddelení krajanského ústavu
narodního zdravi Vychodoceskeho kraje, Hradec Králové.

NOVAKOVA-KOSTALKOVA, R.

Examination of the cerebrospinal fluid in syphilis in clinical practice.
Cesk. dermat. 26 no.3:105-113 Mar 51. (CML 20;8)

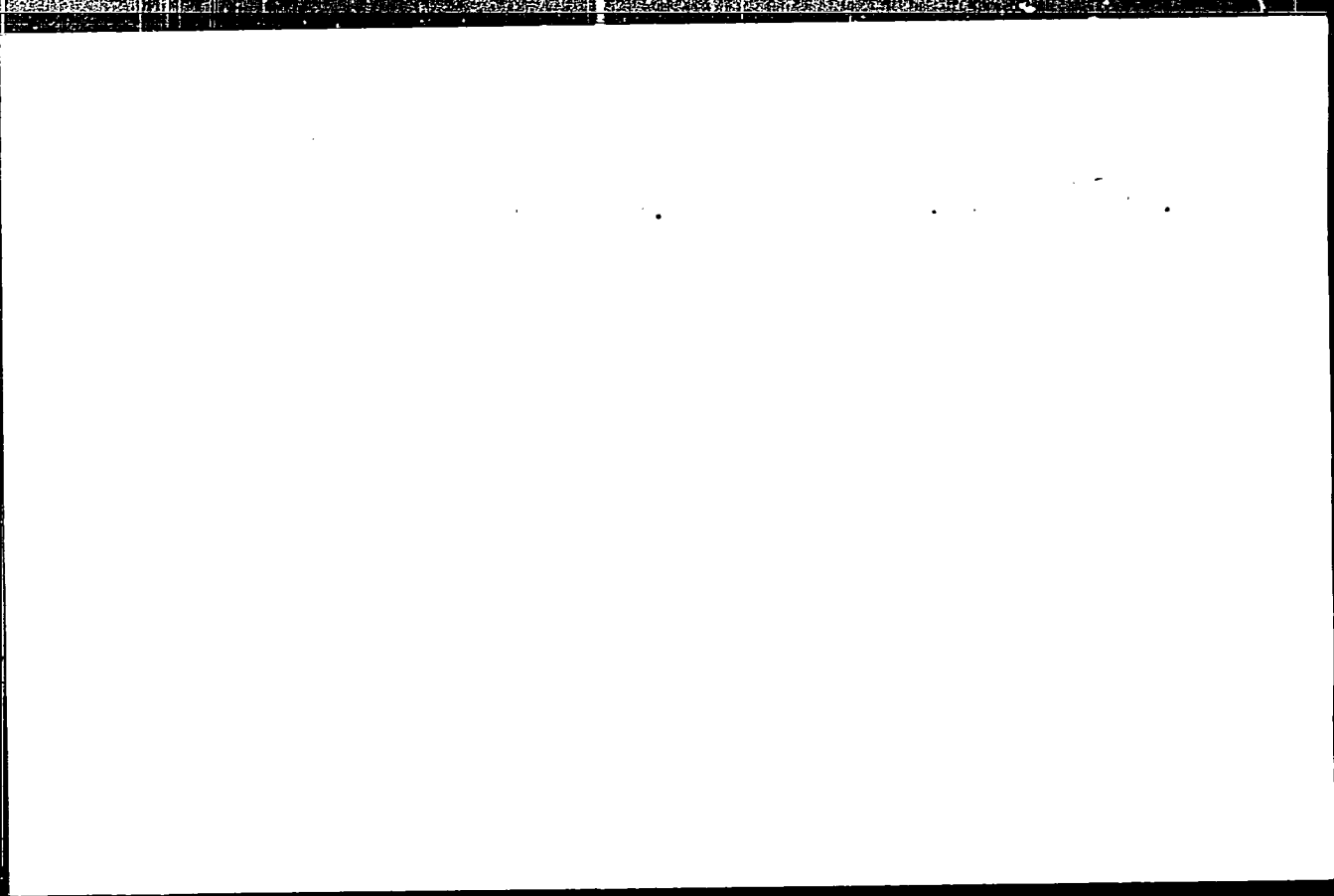
1. Of the Skin Ambulatorium ONP, Department 9 in Prague.

MOVAKOVA-KOSTALKOVA, R.

Examination of the cerebrospinal fluid during the treatment of syphilis.
Prak. lek., Praha 33 no.3:58-62 5 Feb 1953. (GLML 24:5)

1. Of the Skin Department of OUNZ 1, Prague 1.

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137410020-2



APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137410020-2"

NOVAKOVIC, A., inz.

Economic analysis of the possibilities for the improvement of the
existing navigation conditions at the Iron Gate. Madun transp 10
no.1:45-48 '64.

^

J_A

46-79

NOVAKOVIC, Aleksander
NOVAKOVIC, Aleksandar, pukovnik dr.

Short guide for medical officers with respect to the diseases of the eye. Voj.san.pregl., Beogr. 12 no.1-2:75-78 Jan-Feb 55.

1. Očno odeljenje VMA.
(EYE, dis.
in armed forces personnel, tchr.)
(ARMED FORCES PERSONNEL, dis.
eye, tchr.)

NOVAKOVIC, Aleksandar, pukovnik d-r; KOPSA, Milan, potpukovnik, docent d-r

Our experiences with traumatic eye problems in the last 5 years.
Voj.san.pregl., Beogr. 12 no.5-6:236-241 May-June '55.

1. Očno odeljenje VMA
(EYE, wds. & inj.
therapy & results (Ser))
(WOUNDS AND INJURIES
eye, ther. & results(Ser))

NOVAKOVIC, Aleksandar, Pukovnik dr.

Congenital abnormalities of oculomotor muscles. Voj. san.
pregl. Beogr. 13 no.11-12:605-605 Nov-Dec 56.

1. Očno odeljenje VMA.
(MUSCLES, OCULOMOTOR, abnorm.
case report (Ser))

NOVAKOVIC, Aleksandar, inf.

Modernization of passenger traffic on Yugoslav rivers. Medium
transp 9 no.14 11-276 D 963

1. Glas Radica, Belgrade, "Merimo i sni transporta".

YUGOSLAVIA

Branislav NOVAKOVIC, [Affiliation not given]

"Penetration of the Epidemic of Pest in 1690 from the Territory of Hercegovina onto the Venetian Albania Area."

Belgrade, Srpski Arhiv za Celokupno Lekarstvo, Vol 91, No 1, Jan 63;
pp 103-107.

Abstract : An account of the 1689-1692 epidemic of pest which involved parts of present Yugoslavia then under Ottoman Empire, Venice and Dubrovnik. The Turks were pathetically unable to cope with it but the two city-states were rather well organized, and the population was so terrified of the disease that self-quarantine was universal, so that the spread could be checked. Fourteen references from old archives.

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[The content of this page is extremely faint and illegible. It appears to be a list or index of items, possibly including names and dates, but the text is too light to transcribe accurately.]

NOVAKOVIC, D.

Transport of special freight from Rijeka Harbor. Medun transp
8 no.6:434-436 Je '62.

NOVAKOVIC, Dusan

New system of permits for the highway truck traffic between
Yugoslavia, Austria, and Italy. Medun transp 9 no.6:423-424
Je '63.

NOVAKOVIC, Ljubomir, inz.; MARKOVIC, Borislav, inz.

The Hastings Conference on Gasification Processes, 1962.
Rudar glasnik no.4:137 '62.

1. Upravnik Biroa za termotehniku, Rudarski institut, Beograd, i clan Redakcionog odbora, "Rudarski glasnik. Bulletin of Mines" (for Novakovic).
2. Zavod za tehnolosku preradu mineralnih sirovina, Rudarski institut, Beograd (for Markovic).

NOVAKOVIC, M.

Founding the Professional Association of Organizations of Forest Industries of
Croatia, p. 44

SUMARSKI LIST, Zagreb, Vol 80, No. 1/2, Jan./Feb., 1956

SO: East European Accessions List, Vol 5, No. 10, Oct., 1956

NOVAKOVIC, M.

Power problems in the world. p. 1533

TEHNIKA, Beograd, Vol 10, No. 11, 1955

SO: EEAL, Vol 5, No. 7, July 1956

NOVAKOVIC, M.

Instrument for null method current measurement. Bul Inst
Nucl 14 no. 4: 239-241 0 '63.

1. Heat Transfer Department, Boris Kidric Institute of
Nuclear Sciences, Beograd-Vinca.

SECRET

CONFIDENTIAL

Optical remote sensing systems are used to detect and identify objects on the ground from an aircraft or satellite. These systems use various sensors to collect data on the ground, which is then processed and analyzed to identify objects of interest.

Some of the sensors used in optical remote sensing systems include cameras, multispectral sensors, and synthetic aperture radar (SAR). Each sensor has its own strengths and weaknesses, and the choice of sensor depends on the specific application and the environment being observed.

Novakovic, Miroslava M.

HUNG.

NOMOGRAPHIC DETERMINATION OF THE THERMAL UTILIZATION FACTOR. Miroslava M. Novakovic. Bull. Inst. Nuclear Sci. "Boris Krumich" (Belgrade) 2. 69-85 (1954) June. (In English)

A formula for the thermal utilization factor in a heterogeneous reactor is derived. The formula can be used for a nomograph, and a nomograph is given for the case of U-D₂O lattices with air cooling. A second nomograph is given for the correction term in the case of lattices containing aluminum canings. (M.P.G.)

4
1871

NOVAKOVIC, Miodrag

The two-phase pressure drop of a component. Bul Inst Nucl Sci 11:67-85 '61.

1. Institute of Nuclear Sciences "Boris Kidrich," Department of Reactor Engineering, Vinca.

NOVAKOVIC, Miodrag

The high-pressure differential gauge. Bul Inst Nucl 11:87-91
'61.

1. Institute of Nuclear Sciences "Boris Kidrich," Department
of Reactor Engineering, Vinca.

Y/001/63/000/003/002/002
D294/D308

AUTHOR: Novakovic, Miodrag, Doctor

TITLE: Yugoslav conference on heat generation and exploitation

PERIODICAL: Tehnika, no. 3, 1963, 428a-428b

TEXT: The name "thermics" was introduced to be applied to the scientific and technical discipline dealing with heat generation and exploitation; the scientists and engineers are called "thermicists". The preparations for the First Yugoslav Conference of Thermicists were stimulated by the Yugoslav Nuclear Energy Commission. The author, who is one of the eight members of the Initiative Committee (all members but one are professors at Yugoslav universities), emphasizes the importance of the coordination of research and the need for a universal terminology. The Conference is proposed for April 1963 with the following program: thermics as a discipline apart; establishing of the Society of Thermicists; teaching of thermics and thermodynamics at Yugoslav universities;

Card 1/2

Yugoslav conference ...

Y/001/63/000/003/002/002
D294/D308

research work; problems of nomenclature and bibliography.

ASSOCIATION: Institut za nuklearne nauke "Boris Kidrič", Vinča
(Institute for Nuclear Research "Boris Kidrič",
Vinča)

Card 2/2

NOVAKOVIC, M.

A method for optimizing gas-cooled reactor parameters. Bul Inst
Nucl 14 no.1:1-16 Ja '63.

1. Heat Transfer Department of the Boris Kidric Institute of
Nuclear Sciences, member of the Editorial Board, "Bulletin of
the Boris Kidric Institute of Nuclear Sciences."

NOVAKOVIC, Miodrag, dr

Development of the nuclear-power engineering in the world.
Elektroprivreda 17 no. 3:170-175 Mr '64.

NOVAKOVIC, Miodrag, dr

Yugoslav Society of Technicians. Tehnika Jug 19 no.5:818-
818a My '64.

NO. 12/10, Nuclear, or other (SFW), (SFW), (SFW), (SFW).

Advances in heat transfer. Nuclear Energy, Part A, Vol. 10, No. 1, 1964.

1. Laboratory of Reactor Thermodynamics, Institute of Nuclear Sciences, Belgium (for Belgium).
2. University of Sarajevo (for Yugoslavia).

NOVAKOVIC, Miroslav, Dr.

Unsolved problems in the fight against tuberculosis.
Tuberkuloza, Beogr. 8 no.3-4:228-230 May-Aug 56.

1. Antituberkulozni dispanzer u Cupriji (saf: dr. Miroslav Novakovic).
(TUBERCULOSIS, PULMONARY, prev. & control
unsolved problems in Yugosl. (Ser))

SEKULIC, Bozidar, Prim., dr.; USTAVDIC, Muhamed, dr.; NOVAKOVIC, Momcilo, dr.

Age factor in indications for tonsillectomy. Med. arh.,
Sarajevo 9 no.5:77-84 Sept-Oct 55.

1. (Rad Odeljenja za bolesti uva, nosa i grla Gradske bolnice u
Beogradu. Sef: Prim. dr. Bozidar Sekulic).

(TONSILS, surg.

in child., indic. in relation to age factor. (Ser))

(AGING, pathol.

age factor in tonsillectomy in child. (Ser))

ILIC, Cedomir, dr.; NOVAKOVIC, Momcilo, dr.

Fibroangioma of the tympanic cavity. Voj.san.pregl. 18 no.4:383-384
Ap '61.

1. Gradska bolnica u Beogradu, Otorinolaringolosko odeljenje.

(EAR MIDDLE neopl)
(ANGIOMA SCLEROSING case reports)

YUGOSLAVIA / Organic Chemistry. Natural Compounds and Their Synthetic Analogs. G-3

Abs Jour: Ref Zhur-Khimiya, No 1, 1959, 1386.

author : Dezelic M., Novakovic, N., Kapetanovic, S.

Inst : Not given.

Title : The Certain Products From the Condensation of Helicin.

Orig Pub: Bull. soc. chimistes rep. populaire Bosnie et Herzegovine, 1956, 5, 5-14.

abstract: Ten grams of salicin is suspended in 60 milliliters of 25% nitric acid, agitated for 45 minutes and cooled (0°C.). The residue is filtered off, washed with diluted sodium carbonate solution, triturated with 2 x 50 milliliter portions of ether and dried in vacuum. Thus helicin (I) is prepared, m. p. 175°C. (from alcohol), Δ 20 D 60.43°C (c 1.4; water). Ten grams of I is boiled for 1 hour with 10 grams

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YUGOSLAVIA / Organic Chemistry. Natural Compounds and G-3
Their Synthetic Analogs.

Abs Jour: Ref Zhur-Khimiya, No 1, 1959, 1386.

Abstract: of sodium ethylate in 50 milliliters of acetic anhydride, 1 milliliter of water is added to the mixture and is kept in a refrigerator for 12 hours. The residue is then filtered off, washed with water and tetraacetyl helicin is thus obtained (II), yield 90%. II is prepared in a 30% yield from 10 milliliters of α -broacetoglucose and 3.9 grams of o -OCHC₆H₄OK in 20 milliliters of alcohol. I and II produce the corresponding Schiff's bases with various amines (given are amine, aldehyde, condensing agent, yield in %, m. p. in °C.): p -H₂NC₆H₄OH(III), 1, —, 30, 140; III, II, C₆H₁₁N, 50, 128-129; p -H₂NC₆H₄OCH₃ (IV),

Card 2/3

-NOVAKOVIC, N.

Ordinary annual session of the Croatian Chemical Society. Report
of the Rijeka branch of the Croatian Chemical Society. Croat
chem acta 34 no.3:Suppl.: 34:28 '62.

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i.e.

NOVAKOVIC, S.

Yugoslavia (430)

Technology-Periodicals

The problem of amortizing the material of our
railroads. p. 145. ZELEZNICE. (Jugoslavenske
zeleznice) Beograd. (Monthly on railroad
problems issued by the Yugoslav Railways)
Vol. 8, No. 5, May 1952.

East European Accessions List. Library of Congress.
Vol. 2, No. 6, June 1953. Unclassified.

NOVAKOVIC, S.

Yugoslavia (430)

Technology

Railroad bridge over the Sava River near Samac in Bosnia. p. 351. Zeleznice,
Vol. 8, no. 11, November 1952.

East European Accessions List, Library of Congress, Vol. 2, no. 3, March 1953.
UNCLASSIFIED.

NOVAKOVIC, S.

"Problems of work productivity in transportation." p. 10, (ZEMELNIK, Vol. 16, No. 3, Mar 1954, Belgrade, Yugoslavia)

See: Central List of East European Publications, (LADP), 1, Vol. 1, No. 12, Dec. 1954, Suci.

NOVAKOVIC, S

NOVAKOVIC, S. Particularities of the establishment of rates of railroad
transportation services. p. 278

Vol. 10, No. 8, Aug. 1954

ZELEZNICE
TECHNOLOGY
Beograd

So: MONTHLY LIST OF EAST EUROPEAN ACCESSIONS, (FEAL), Vol. 4, No. 9,
Sept. 1955

NOVAKOVIC, S.

Classification of railroad rates according to their relation to the degree of capacity used. p. 105. ZELENIH. Vol. 11, No. 3, March, 1955. Belgrad.

SOURCE: East European Accessions List, (EEAL) Library of Congress, Vol. 4, No. 12, Dec. 1955.

NOVAKOVIC, S.

NOVAKOVIC, S. Railroad rates and the problem of cooperation of transportation
branches. p. 277.

Vol. 11, No. 8, Aug. 1955.

ZELEZNICE

TECHNOLOGY

Beograd, Yugoslavia

So: East European Accessions, Vol. 5, May 1956.

NOVAKOVIC, S.

Effect of transportation on the development and improvement of agriculture, p. 26

ZELEZNICE, Beograd, Vol 12, No. 1, Jan, 1956

SO: EEAL, Vol 5, No. 7, July, 1956

NOVAKOVIC, S.

"Workers' management and the economic policy of transportation enterprises."

p. 11 (Zeleznice) Vol. 13, no. 10, Oct. 1957
Belgrade, Yugoslavia

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

NOVAKOVIC, S.

TECHNOLOGY

NOVAKOVIC, S. Problems of reforming the ware system in our transportat on.
p. 1.

Vol. 14, no. 12, Dec. 1958

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 2
March 1959 Unclass

NOVAKOVIC, V.

Herbicides and their use against weeds. Kemija. p. A15.

KEMIJA U INDUSTRIJI. (Društvo kemicara-tehnologa NHR) Zagreb, Yugoslavia,
Vol. 7, no. 4, Apr. 1958.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 6,
June 1959.

Uncl.

NOVAKOVIC, V.

Additional supply of chemical means for plant protection in 1958.
Kemija p. A17.

KEMIJA U INDUSTRIJI. (Društvo kemicara-tehologa NHR) Zagreb, Yugoslavia,
Vol. 7, no. 4, Apr. 1958,

Monthly List of East European Accessions. (EEAI) LC, Vol. 8, no. 6,
June 1959.

Uncl.

NOVAKOVIC, V.

Domestic production and import of chemical means for the protection of plants in 1959. p. 43.

KEMIJA U INDUSTRIJI. (Društvo kemičara-tehnologa NHR) Zagreb, Yugoslavia, Vol. 8, no. 2, Feb. 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 6, June 1959.

Uncl.

VOLOSHIN, I.Ye., inzh.; NOVAKOVICH, V.I., inzh.

Advantageous method of cleaning ballast stone. Pat' i pat.khoz. 7 no.1:
6-9 '63. (MIRA 16:3)

1. Zamestitel' nachal'nika Krasnoarmeyskoy distantzii Donetskoy dorogi.
(Ballast (Railroads)--Cleaning)

NOVAKOVICH, V.I.

Use of the tamping machine "ShehOM-D for the maintenance and
repair of continuous rail tracks. Put' 1 put. khoz. 7
no.10:3-5 '63. (MIRA 16:12)

1. Zamestitel' nachal'nika Krasnoarmeyskoy distantssi puti
Donetskoj dorogi.