

VOPALESKY, V.

VOPALESKY, V. Experience of workers in the Kojetin Machine-Tractor Station with SKEM-3 combine in sugar beet harvesting. p. 63.

Vol. 7, no. 3, Feb. 1957
MACHANISACE ZEMEDLSTVI
AGRICULTURE
Czechoslovakia

So: East European Accession, Vol. 6, No. 5, May 1957

VOPAT, FRANTISEK

VOPAT, FRANTISEK. Usti nad Labem, krajske mesto s najblizsim okolin. (Pradel. a slovní doprovod napsal Frantisek Hejl. 1. vyd. Praha) Orbis, 1950. 1 v. (unpaged) (Usti nad Labem; the district town and its immediate vicinity. 1s ed. chiefly illus.)
NN

VOPAT, FRANTISEK
GEOGRAPHY & GEOLOGY
Czechoslovakia

So: East European Accession, Vol. 6, No. 5, May 1957

BRABEC, V.; BICANOVA, J.; FRIEDMANN, B.; KOUT, M.; MIRCEVOVA, L.;
PALEK, J.; VOPATOVA, M.; VOLEK, V.

Metabolic changes of erythrocytes in autoimmune hemolytic
disease. Cas. lek. cesk. 104 no.22:604-605 4 Je '65.

1. Ustav hematologie a krevni transfuze v Praze (reditel:
prof. dr. J. Horejsi, DrSc.) a I. interni klinika fakulty vse-
obecneho lekarstvi Karlovy University v Praze (prednosta prof.
dr. V. Hoenig, DrSc.).

NEUWIRTOVA, R.; DONNER, L.; HEYROVSKY, A.; VOPATOVA, M.

Phospholipids in the erythrocytes in arteriosclerosis. Sborn.lek.
62 no.12:358-364 D '60.

1. II. interni klinika fakulty vseobecneho lekarstvi University
Karlovy v Praze, prednosta prof.dr. Fr.Herles; Kardiovaskularni
laborator fakulty vseobecneho lekarstvi University Karlovy v
Praze, reditel prof.dr. B.Prusik; Ustav hematologie a krevni
transfuze v Praze, reditel prof.dr. J.Horejsi.

(ARTERIOSCLEROSIS blood)

(PHOSPHOLIPIDS blood)

(ERYTHROCYTES chem)

VOPATOVA, M.; VILCHKOVA, M. [Vlckova, M.]

Blood platelet metabolism. Probl. gemat. i perel. kroví 8 no. 6:
41-45 Je'63 (MIRA 17:4)

1. Iz Instituta gematologii i perelivaniya kroví (direktor-
prof. Ya. Gorzheyahí [Horejsi, J.], Praga.

BRABEC, V.; MIRCEVOVA, L.; VOPATOVA, M.; Statisticke zpracovani: MACH, O.

Some biochemical changes in erythrocytes in hereditary spherocytosis. Vnitřní lek. 11 no.8:729-736. Ag '65.

1. Ústav hematologie a krevní transfuze v Praze (prednosta prof. MUDr. J. Horejsi, Dr.Sc.).

JAKOUBEKOVÁ, J.; KOLODOVSKÝ, P.; BEK, V.; MAJSKY, A.; SCHNEID, V.; VOPATOVÁ, M.

To the problem of immunotherapy of choriocarcinoma. Neoplasma
(Bratisl.) 12 no.5:531-542 '65.

1. Radiological Clinic of the Faculty of General Medicine of
the Charles University; Institute of Experimental Biology and
Genetics Československé akademie věd; Institut of Hematology
and Blood Transfusion, The First Gynecological Clinic of the
Charles University, Prague, Czechoslovakia. Submitted September 11,
1964.

FRIEDMANN, B.; HERMANŠKY, F.; BROUSIL, J.; VOŠATOVÁ, M.

Survival of the erythrocytes in leukemia determined with radiochromium: ^{51}Cr . Cas.lek.cesk. 99 no.7/8:208-212 19 F '60.

1. I. interní klinika KU v Praze, přednosta prof.dr. M. Netoušek, Laborator pro patofyziologii krevetvorby a jater při I. interní klinice KU v Praze, reditel prof.dr. M. Netoušek, Ústav pro lékařskou fyziku KU v Praze, přednosta doc.dr. Z. Dienstbier, Ústav hematologie a krevní transfuze v Praze, redited prof. dr.J. Horejší.

(ERYTHROCYTES)

(LEUKEMIA blood)

(CHROMIUM radioactive)

LIBANSKY, J.; MALASKOVA, V.; FORTYNOVA, J.; VOPATOVA, M.

Experiences with the transfusion of blood platelets in thrombocytopenias and thrombocytopathies. Cas.lek.cesk. 98 no.49/50: 1568-1572 4 D '59.

1. Ustav hematologie a krevni transfuze, reditel prof.dr.J.Horejsi, klin.oddeleni, prednosta doc.dr. J. Libansky, a transfuzni stanice, prednosta dr. M. Vopatova.

(BLOOD PLATELETS)
(BLOOD TRANSFUSION)
(THROMBOPENIA ther.)

2
NEUVIRTOVA, B.; DONNER, L.; HEYROVSKY, A.; VOPATOVA, M.

Phospholipids in the erythrocytes in arteriosclerosis. Sborn.lek.
62 10.12:358-364 D '60.

1. II. interni klinika fakulty vseobecneho lekarstvi University
Karlov v Praze, prednosta prof.dr. Fr.Herles; Kardiovaskularni
laborator fakulty vseobecneho lekarstvi University Karlov v
Praze, reditel prof.dr. B.Prusik; Ustav hematologie a krevni
transfuzi v Praze, reditel prof.dr. J.Horejsi.

(ARTERIOSCLEROSIS blood)
(PHOSPHOLIPIDS blood)
(ERYTHROCYTES chem)

VOPATOVA, Marie

Isolation of platelets for transfusion. Cas.lek.cesk. 98 no.45:
1411-1415 6 N '59.

1. Ustav hematologie a krevni transfuze v Praze, reditel prof.
MUDr. J. Horejsi.

(BLOOD TRANSFUSION)

(BLOOD PLATELETS)

PIALA, Jaroslav; VOPATOVA, Marie; KUBICKOVA, Zdena; VIKTORA, Ladislav

One year's experience with the preparation of retroplacental serum from retroplacental blood for the production of gamma globulin. Cas. lek. cesk. 98 no.10:305-309 6 Mar 59.

1. Ustav hematologie a krevni transfuze v Praze, reditel MUDr. J. Kidery.

(GAMMA GLOBULIN, prep. of
purification from retroplacental serum, technic (Cz))

(PLACENTA
retroplacental serum, serparation from plasma & purification of component gamma globulin (Cz))

FRIEDMANN, B.; HERMANSEY, F.; BROUSIL, J.; VOPATOWA, M.

Erythrocyte survival in leukemia, determined by radiochromium
C. R⁵¹, Rev.Czech.M. 6 no.2:118-125 1960.

1. First Medical Clinic, Charles University, Prague. Director:
Professor V. Hoenig, M.D. Laboratory for the Pathophysiology of
Haemopoiesis and the Liver, at the First Medical Clinic, Charles
University, Prague, Director: Professor V. Hoenig, M.D. Institute
for Medical Physics, Prague, Director: Doc. Z. Dienstbier, M.D.
Institute for Haematology and Blood Transfusion. Director:
Professor J. Horejsi, M.D.

(ERYTHROCYTES)
(LEUKEMIA blood)
(CHROMIUM radioactive)

VOPATOVA, M.; technicka spoluprace RAMBOUSKOVA, R.

Separation of the leukocytes for transfusion with reference to their functional capacity. Cas. lek. cesk. 101 no.20:629-636 18 My '62.

1. Ustav hematologie a krevni transfuze v Praze, reditel prof. dr.
J. Horejsi, DrSc. (BLOOD TRANSFUSION) (LEUKOCYTES physiology)

CZECHOSLOVAKIA

VOPATOVA, M., MD; VICKOVA, M., MD.

Institute of Haematology and Blood Transfusion (Ustav
hematologic a krevni transfuze), Prague (for both)

Prague, Vnitřní lékařství, No 10, 1963, pp 960-966

"On the Metabolism of Blood Platelets."

Principal source of diacetyl in beer. A. Kocková-
Kretschmerová, A. Vavřínová and D. Vopálková-Nevalová
(By *enzymochimika*, 1956, 8, 73-82). The reactions involved in the
spoilage of beer, the development of the honey-like smell, the con-
version of acetaldehyde under anaerobic fermentation into acetyl-

3

114

VOPENKA, Petr

Axioms of the theory of finite sets. Cas pro pest mat 69 no.2:312-317 Ag '64.

1. Institute of Mathematics, Charles University, Prague 8 - Karlín,
Sokolovska 83.

VOPENKA, PETR

Method for constructing a nonstandard model of Bernice Godel's
axiomatic theory of sets. Dokl. AN SSSR 143 no.1:11-12 Nr '62.
(MIRA 15:2)

1. Karlov universitet, Praga, Chekhoslovatskaya Sotsialisticheskaya
Respublika. Predstavleno akademikom P.S.Aleksandrovym.
(Aggregates)

BC

a-1

Polarographic studies with the dropping mercury cathode. I.E. Influence of buffers and cations on the electro-reduction of fumaric and maleic acids. E. VORGIKA (Coll. Czech. Chem. Commun., 1936, B, 340—348). — In HCl and in AcOH-NaOAc buffers the "half-wave potential" depends on the p_H , and remains const. over a wide range of concn. of malic and fumaric acids. The former is reduced at more positive potentials than is the latter. In LiOH the "half-wave potential" becomes more positive with increase of p_H and in presence of Ca⁺² the fumarate ion is reduced at more positive potentials than is the maleate ion.

C. R. H.

ASS-SLA METALLURGICAL LITERATURE CLASSIFICATION
FROM STUDIOS

SERIALS MODELS OPEN COMPANION ELEMENTS

SOURCE NUMBER COLLECTED BY DATE

Con

f

Polarographic studies with the dropping mercury cathode. LX. Influence of buffers and catalysts in the electroreduction of fumaric and maleic acids. *Edward Vignola. Collection. Czechoslov. Chem. Commun. 8, 340-351 (1941) (in English); cf. C. A. 22, 42, 1281, 1327.*—The polarographic electroreduction of fumaric and maleic acids was investigated in HCl, buffer and alk. solns. The "half-wave potentials" (C. A. 20, 7108) remain const. within a wide range of concn. of the unsat. acids. In acid and buffered solns, maleic acid is reduced at more pos. potentials than fumaric acid, and the difference increases up to $pH\ 9.0$. In strongly alk. solns. and in solns. contg. Ca ions, the fumarate anion is reduced at a more pos. potential than the maleate anion. The diffusion currents are about 35% smaller in alk. than in acid solns. **LXI. Effect of buffer solutions on the reaction of proteins.** *R. Brdicka. Ibid. 1941 76.*—The polarographic "preanodic wave" due to proteins (C. A. 24, 4200) was investigated in buffer solns. of $pH\ 4-11$, contg. 0.1-0.6% of egg white, Witte's peptone or cysteine. The "wave" is higher the more concd. the protein and the lower the pH of the buffer soln. The quality and capacity of the buffer also affect the height. Protein matter which does not contain cysteine does not give any "wave." The results are in agreement with B.'s theory (C. A. 28, 7131) that the sulfhydryl group of the cysteine nucleus of the protein reduces the potential at which H deposits, thereby producing the "preanodic wave."

Paul F. Hartman

VOPICKA, Edvard, prof. inz.; JIRASEK, Jaroslav, inz.

How to proceed in the enterprise internal management. Pt.4.
Podn org 19 no.4:145-151 Ap '65.

1. Higher School of Economics, Prague (for Vopicka). 2. Central
Committee of the Communist Party of Czechoslovakia (for Jirasek).

VOPICKA, Eduard, prof. inz.; JIRASEK, Jaroslav, inz.

How to proceed in the internal management of enterprises. Pt.2.
Podn. org 19 no.2:49-59 F '65.

1. Higher School of Economics, Prague (for Vopicka). 2. Central
Committee of the Communist Party of Czechoslovakia (for
Jirasek).

VOPICKA, Jaroslav prof. inz.; JIRASEK, Jaroslav, inz.

How to proceed in internal enterprise management. Podn org
19 no.1:1-8 Ja '65.

1. Higher School of Economics, Prague (for Vopicka). 2. Central
Committee of the Communist Party of Czechoslovakia, Prague (for
Jirasek).

VOPICKA, Eduard, prof. inz.; JIRASEK, Jaroslav, inz.

How to proceed in the enterprise internal management. Pt.3.
Podn org 19 no.3:97-102 Mr '65.

1. Higher School of Economics, Prague (for Vopicka). 2. Central
Committee of the Communist Party of Czechoslovakia (for Jirasek).

GALUSHKO, P.Ya., dots, kand.tekhn.nauk; VOPIKIN, A.A., dots., kand.
tekhn.nauk

Determining the coefficient of side thrust in rock salt, by
measuring elastic wave propagation. Nauch.dokl.vys.shkoly; gor.
delo. no.4:57-59 ' 58. (MIRA 12:1)

1. Predstavleno kafedroy razrabotki poleznykh iskopayemykh
Kiyevskogo politekhnicheskogo instituta.
(Rock salt--Testing) (Shock waves--Testing)

GALUSHKO, P.Ya., dots., kand. tekhn.nauk; VOPIKIN, A.A., dots., kand.tekhn.
nauk; SOLLOGUB, V.B., dots, kand.tekhn.nauk; YUREVICH, G.G., inzh.

Experimental investigation of the effect of blasting on the
stability of stope pillars in Solotvino salt mines. Nauch. dokl.
vys. shkoly; gor. delo no.3:13-19 '58. (MIRA 11:9)

1. Predstavleno kafedroy razrabotki mestorozhdeniy poleznykh
iskopayemykh Kiyevskogo ordena Lenina politekhnicheskogo instituta.
(Solotvino--Salt mines and mining)
(Mining engineering)

SOLLOGUB, V.B.; GALUSHKO, P.Ya.; VOPIIKIN, A.A.; PATIOKHA, A.M.

Propagation speed of longitudinal elastic waves in rocks and
dependence of the speed on the static load and moisture. Trudy
Inst..geol. nauk AN URSR. Ser. geofiz. no.2:130-137 '58.
(MIRA 11:6)

1. Institut geologicheskikh nauk AN USSR.
(Elastic waves)

VOPIIKIN, A.A.

SOLLOGUB, V.B.; GALUSHKO, P.Ya.; VOPIIKIN, A.A.; PATIOKHA, A.M.

On certain factors influencing the rate of propagation of elastic vibrations in rocks, Dokl. AN SSSR 113 no.1:82-85 Mr-Apr '57.

(MIRA 10:6)

1. Geologicheskii institut Akademii nauk USSR. Predstavleno akademikom V.V. Shuleykinym.

(Seismic waves)

VOPILKIN, A.A.

AUTHOR: SOLLOGUB, V.B., GALUSHKO, P.YA., VOPILKIN, A.A., PATIOKHA, A.M. PA - 2653

TITLE: On Certain Factors Influencing the Rate of Propagation of Elastic Vibrations in Rocks. (O nekotorykh faktorakh, vliyayushchikh na velichinu skoresti rasprostraneniya uprugikh kolebaniy v gornyykh porodakh, Russian).

PERIODICAL: Doklady Akademii Nauk SSSR, 1957, Vol 113, Nr 1, pp 82 - 85 (U.S.S.R.)
 Received: 5 / 1957 Reviewed: 6 / 1957

ABSTRACT: The present paper investigates one of the most important factors influencing the velocity of layers, namely the static stress of higher layers. For the study of the connection between the velocity and static stress the authors carried out measurements of velocity rock samples which were subjected to different pressures. In laboratory investigations of the propagation of longitudinal elastic vibrations an impulse supersonic seismoscope was used. From the laboratory investigations discussed here and from the results of seismic observations in drill holes the following inferences can be drawn: The static stress of higher layers influences the properties of the different dispositions considerably. The higher the stress, the higher is the propagation velocity of elastic vibrations in rock. If the rock resembles a perfect elastic body, velocity depends only upon static stress and not upon geological processes

Card 1/2

On Certain Factors Influencing the Rate of Propagation of Elastic Vibrations in Rocks.

PA - 2653

which have taken place in this region. Rocks differing from these perfect elastic bodies have a remanent deformation. That is why the propagation velocity observed does not only depend upon the depth of the layer but also upon preceding geological history. The propagation velocity of rocks of equal age in different regions can therefore even be different if they are located in the same depth. A detailed analysis of velocities in rocks may offer indications as to the geological structure of the regions investigated and as to major disturbances in depositions.
(2 illustrations)

ASSOCIATION: Geological Institute of the Academy of Science of the Ukrainian SSR.

PRESENTED BY:

SUBMITTED:

AVAILABLE: Library of Congress.

Card 2/2

SOV/169-59-5-4384

Translation from: Referativnyy zhurnal, Geofizika, 1959, Nr 5, pp 15 - 16

(USSR)

24.1800

AUTHORS:

Sollogub, V.B., Galushko, P.Ya., Vopilkin, A.A., Patiokhi, A.M.

TITLE:

On the Propagation Velocity of Longitudinal Elastic Waves in Rocks and Its Dependence on the Static Load and on the Humidity

PERIODICAL:

Tr. In-ta geol. nauk. AS USSR, Ser. geofiz., 1958, Nr 2, pp 130 - 137

ABSTRACT:

Investigating the effect of the load on the propagation velocity of elastic waves, the authors exposed a rock specimen with cubic form to a one-sided compression by means of a hydraulic press. The velocities of the supersonic waves were measured in intervals of pressure of 20 kg/cm². The velocity of wave in sandstone increased by 5 m sec⁻¹. atm for the pressure increasing from 0 to 120 kg/cm². Increasing the load from 120 to 420 kg/cm² causes an insignificant increase of the velocity, but a further increase of the load beyond 420 kg/cm² causes a decrease in velocity. Under a pressure of 610 kg/cm², the specimen collapsed. The similar

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SOV/169-59-5-4384

On the Propagation Velocity of Longitudinal Elastic Waves in Rocks and Its Dependence on the Static Load and on the Humidity

course of behavior of the velocity was observed by testing lime-stone, but the values of load corresponding to the points of inflection of the curve, and also the values of velocity were different. The observed variations of the velocity correspond to: 1) The decrease in the porosity under the pressure effect; 2) the redistribution of the elementary particles of the rock. A decrease in velocity with a further increase in pressure can be explained by the formation of cracks. A certain dependence exists between the density of the rocks and the propagation velocity of the elastic waves. It is possible that this dependence may be used for practical purposes. In halite specimens, the velocity of longitudinal waves perpendicular to the applied load decreased considerably with increasing pressure; but in the plane parallel to the applied load, the velocity insignificantly decreased. The saturation of the rock specimen with water increased the velocity; but the variations of velocity in chalk and for coquina were smaller than in less porous sandstone. The investigation of the variation of velocity under multiple cycles of loading and unloading showed that a residual deformation is not observed in dense rocks

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SOV/169-59-5-4384

On the Propagation Velocity of Longitudinal Elastic Waves in Rocks and Its Dependence on the Static Load and on the Humidity

(sandstone). In more porous rocks the value of the velocity increases in comparison to the initial velocity in consequence of the residual deformation after taking off the load. Be repetitive pressures, velocities increase again and attain higher values than during the first cycle of loading. Consequently, it can be assumed that the velocity of propagation of elastic waves in rocks depends on the geologic history of the region in question. In regions where numerous changes of sedimentation and of denudation occurred, the rocks were submitted to a greater compression and must be characterized by a higher velocity than the similar rocks in regions where the change of the processes took place not so frequent. Bibl. 10 titles.

I.K. Kupalov-Yaropolk

Card 3/3

VOPIKIN, Aleksy Alekseyevich; SHISHOV, Ye.L., redaktor; LIBERMAN, S.S.,
redaktor; ANDREYEV, S.P., tekhnicheskiy redaktor.

[Working nonmetallic mineral deposits] Razrabotka mestorozhdenii
nerudnykh iskopayemykh. Khar'kov, Gos.nauchno-tekhn.isd-vo lit-ry
po chernoi i tsvetnoi metallurgii, 1955. 314 p. (MLRA 9:6)
(Mining engineering)

VOPIKIN, E.A., kandidat tekhnicheskikh nauk.

Professor M.I. Volskii's errors ("Temperature stresses in machinery and
boilers." Reveiwed by E.A. Vopilkin). Vest.mash. 33 no.5:89-91 My '53.
(MLBA 6:5)

(Volskii, M.I.) (Strains and stresses)

VOPIKIN, O.O.

VOPIKIN, O.O. (Kiev); GALUSHKO, P.Ya. (Kiev); SOLLOGUB, V.B. (Kiev).

Seismic method for measuring stresses in salt mine pillars [with summary in Russian]. Prikl.mekh. 3 no.2:229-232 '57. (MLRA 10:9)

1. Kiiv's'kiy politekhnichnyi institut.
(Salt mines and mining)

PYSHKIN, I.P.; VOPILKIN, V.A.; KUZ'MIN, N.G.

Overall mechanization in the erection and repair of overhead
communication lines. Vest. svyazi 20 no. 12:7-9 D '60.
(MIRA 13:12)

1. Odesskiy elektrotekhnicheskiy institut svyazi.
(Electric lines--Overhead) (Chain saws)

28 (4)

AUTHORS:

1) Mironenko, Yu. P.,
2) Kozlovskiy, S. S., 3) ~~Vopilkin, Ye. A.~~ Vertousov, V. S.,
Chirimanov, V. P., 4) Ivanyan, A. K.

S/032/60/026/01/046/052
B010/B009

TITLE:

News in Brief

PERIODICAL:

Zavodskaya laboratoriya, 1960, Vol 26, Nr 1, pp 118 - 119 (USSR)

ABSTRACT:

1) recommends for continuous pressure measurements the use of spiral feelers of tension-sensitive wire for pressure cells. The pressure cell design with the wire coils is given (Figure), and the manufacturing technology is described. Particularly sensitive pressure cells may be produced from wires with different tension sensitivities, such as constantan ($K=2.0$) and nickel ($K = 12$). 2) reports on apparatus developed by him for measuring the deformability of materials exhibiting a low lengthwise elasticity modulus. The basic scheme of the apparatus is given (Figure). They are designed for loads from 1 to 20 kg. The longitudinal and transversal deformations of the cubic samples are measured by means of micrometer screws with an accuracy up to 0.01 mm in such a way that an electric bulb lights up at the contact between the lamella (attached to the cube

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News in Brief

S/032/60/026/01/046/052
B010/B009

surface) and the micrometer. 3) report on a mold of St.3 steel for casting ED-6 epoxy resin (Figure) which may be used in place of the glass mold so far used, which had to be discarded after use. The steel mold was polished and chromium-plated and subsequently covered with a 10% polyisobutylene solution in gasoline to prevent an adhesion of the artificial resin to the mold. 4) reports that a vacuum cleaner is being used successfully at the present institute for glass blowing work as well as vacuum filtrations. There are 3 figures and 1 Soviet reference. ✓

ASSOCIATION: 1) Institut yadernoy fiziki Akademii nauk KazSSR (Institute of Nuclear Physics of the Academy of Sciences of the KazSSR).
3) Laboratoriya zavoda (Laboratory of the Plant). 4) Institut geologicheskikh nauk Akademii nauk Armyanskoy SSR (Institute of Geological Sciences of the Academy of Sciences of the Armyanskaya SSR)

Card 2/2

CZECHOSLOVAKIA/Human and Animal Physiology - Internal Secretion. T
The Pancreas.

Abs Jour : Ref Zhur Biol., No 3, 1959, 13017

Author : Kac1, K., Prokes, J., ~~Vprel~~, F., Anchova-Prazakova, E.

Inst : -

Title : Influence of Synthetic Antidiabetic Agents on Glycogen Metabolism in the Liver

Orig Pub : Casop. lekaru ceskych., 1958, 97, No 6-7, 217-220

Abstract : Mice weighing ~ 20 g were injected intraperitoneally with insulin, nadisan (BZ-55), artosin (D-860), and about 0.25 ml of a 40% glucose solution. The animals were sacrificed after 1½ - 2 hours, and the total glycogen (TG) and labile glycogen (LG) in the liver were determined. With injection of 25 mg/kg of BZ-55 or D-860 the amount of TG increased 30%, but LG decreased 30 - 40%. The amount of TG decreased 50% with injection of 750 mg/kg of BZ-55 and especially with injection of

Card 1/2

CZECHOSLOVAKIA/Human and Animal Physiology - Internal Secretion. T
The Pancreas.

Abs Jour : Ref Zhur Biol., No 3, 1959, 13017

D-860. The in vitro experiments indicated that D-860 and BZ-55, in doses exceeding therapeutic levels, suppressed glycogenolysis in the liver. -- V.V. Yazvikov

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VOPIKINA, G.I. (Istra)

Influence of work in a spinning and weaving plant on the
cardiovascular system and on the higher nervous activity.
Gig.truda i prof.zab. 3 no.4:17-22 J1-Ag '59. (MIRA 12:11)
(DEDOVSK (MOSCOW PROVINCE--TEXTILE INDUSTRY--HYGIENIC ASPECTS)

VOPIKING, V. A.

"Cutting Bevel Gears on a Sloper", Stanki i Instrument, 10, No. 8, 1939, Engineer.

Report U-1505, 4 Oct 1951.

VOPILKOVA, V.

USSR /Chemical Technology. Chemical Products
and Their Application

I-14

Water treatment. Sewage water.

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31735

Author : Vopilko V., Abrosimov A.

Title : Improved Flocculation on Coagulation as a Result
of Muddying of the Water with Sludge.

Orig Pub: Zhil. kommun. kh-vo, 1956, No 6, 19-21

Abstract: Water of the Rybinsk reservoir has always a
coloration of about 60 . In wintertime, with a
transparency of 260 cm, dosages of crude
Al (SO) (I), required for decolorization,
amount to 180-250 mg/liter. The flocculation
proceeds sluggishly and reaches completion on

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USSR /Chemical Technology. Chemical Products
and Their Application

I-14

Water treatment. Sewage water.

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31735

the filters, which hinders filtration. Acid-
ification to pH 5.6 produced no effect. De-
colorization of the water with Cl necessitates
large expenditures (30-50 mg/liter). Muddying
the water with sedimentation sludge (II) was
found to be effective and operational practice
revealed that temperature, pH, coloration and
turbidity of the water have no detrimental effect
on rate of formation and settling of the flocks.
A well clarified water is fed to the filters.
II without addition of I decolorizes the water:
with 100 mg/liter of II, by 5 , with 2000
mg/liter, by 40 . Addition of II permits to

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USSR /Chemical Technology. Chemical Products
and Their Application

I-14

Water treatment. Sewage water.

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31735

reduce the dosage of I by 10-15% in summer and
by 40-50% in winter. Muddying with II is poss-
ible during the entire year with the exception
of the period of efflorescence.

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VOPIKOVA, V.; ABROSIMOV, A.

~~Improving flocculation in coagulation by using slime to induce~~
turbidity in water. Zhil.-kom. khoz. 6 no.6:19-21 '56. (MLRA 9:12)

1. Nachal'nik stantsii oshistnykh sooruzheniy Yaroslavskogo
vodoprovoda (for Vopilkova) 2. Zaveduyushchiy laboratoriyey
yaroslavskogo tresta "Vodokanal" (for Abrosimov).
(Yaroslavl--Water--Purification)

VOPILOV, P.

In the interests of production. Prom.koop. no.8:12 Ag '57.

(MIRA 10:9)

1. Mekhanik arteli invalidov "Derevoobdelochnik," Astrakhan'.
(Woodworking machinery)

VOPIYAKOV, V.P.

Drilling methods should correspond to drilling conditions. Neftianik
6 no.1:3-5 Ja '61. (MIRA 14:4)

1. Nachal'nik proizvodstvenno-tekhnicheskogo otdeleniya Nefte-
promyslovogo upravleniya Stavropol'neft'.
(Oil well drilling)

K-4

USSR / Forestry. Forest Crops

Abs Jour: Ref Zhur-Biol., No 13, 1958, 58410

Author : Vopkhvadze, V. M.

Inst : Forest Institute, AS GruzSSR

Title : The peculiarities of the Growth and Development of Forest Cultivation in the Vicinity of Tbilisi with Respect to Soil Conditions and Methods of Improvement

Orig Pub: Tr. in-ta lesa, AN GruzSSR, 1957, 7, 115-135

Abstract: The slow growth of forest cultivation in the vicinity of Tbilisi is noted. This area has been cultivated for 60 years. The principal reasons causing the slow progress of planting are described, and the influence of different kinds of soil cul-

Card 1/2

VOPLATEK, Vlastimil (Maj. MD) (Hradec Kralove Military Medical Academy)

Author of article, "Experiences With the Water Supply of Troops in Training Areas," dealing with the transportation, location, and cleanliness of water in troop training areas.
(VZL, Feb. 55)

SO: Sum. 600, 1 Aug. 1955,

VOPNYARSKIY, I.P.

Hydraulic calculations of the depth of the stilling pool taking into
account a supported jump. Sbor.nauch. trud.Bel. politekh.inst. no.78:
91-99 '60. (MIRA 13:11)

(Stilling basins)

VIL'NER, Yakov Moiseyevich, dots.; VOFNYARSKIY, Iosif Pinkhusovich, dots.; KOVALEV, Yakov Timofeyevich, dots.; KUZMENKOV, Vasiliiy Ivanovich, dots.; LAZAREVICH, Ivan Grigor'yevich, dots.; SHUL'PIN, Igor' Aleksandrovich, dots.; AKALOVICH, N.M., red.

[Laboratory practice in hydraulics: Manual and methodological instructions on laboratory procedures in hydraulics; for correspondence and part-time students] Laboratornyi praktikum po gidravlike: Rukovodstvo i metodicheskie ukazaniia po provedeniiu laboratornykh rabot po gidravlik dlia studentov zaochnogo i vechernego obucheniia. [By] IA.M.Vil'ner i dr. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1961. 131 p. (MIRA 18:4)

1. Kafedra gidravliki Belorusskogo politekhnicheskogo instituta (for all except Akalovich).

KHRENNIKOVA, Vera Yevgen'yevna [Khriennikova, V.IE.]; VOPYLKIN, Vadim Alekseyevich [Vopylkin, V.O.]; RUSNAK, Nikolay Terent'yevich; SEVASTOPOL'SKIY, Natan Ottovich [Sevastopol's'kyi, N.O.]; YURCHENKO, P.M., red.

[Use of the State Standards for mechanical drawing in schools; aid for teachers] Zastosuvannia kresliars'kykh HOSTiv u shkoli; posibrykh dlia vchyteliv. Kiev, Radians'ka shkola, 1964. 48 p. (MIRA 18:1)

VORA, M.

"The cost of production in electric enterprises and how to reduce it."

p. 12 (Teknika) Vol. 4; no. 5, Sept./Oct. 1957
Tirane, Albania

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

I 38527-66 T LJP(c) DS/vv

ACC NR: AP6029160

SOURCE CODE: CZ/0023/66/010/002/0211/0221

AUTHOR: Kubie, Gustav; Veracek, Frantisek

ORG: Institute of Physical Chemistry, CSAV, Prague

TITLE: Aerosol² spectrometry: Problems and possibilities

SOURCE: Studia geophysica et geodastica, v. 10, no. 2, 1966, 211-221

TOPIC TAGS: aerosol, mass spectrometry

ABSTRACT: The article reports on a study made to verify the possibilities and methods of use of a fractionation of aerosol particles that would provide the necessary data on aerosols, particularly from the point of view of the massive distribution of the particles. Orig. art. has: 9 figures, 2 formulas and 1 table. [Orig. art. in Eng.] [JPRS: 36,844]

SUB CODE: 07, 20 / SUBM DATE: 29Sep65 / OTH REF: 009

Cord 1/1 sm

CZECHOSLOVAKIA/Analytical Chemistry. General Questions.

E-1

Abs Jour: Rej' Zhur-Khim., No 13, 1958, 42991.

Author : Cihalik Jaroslav, Voracek Jaroslav.

Inst :

Title : Use of Organic Derivatives of Sulfur in Titrimetric Analysis. IV. Titration with Potassium Salt of Mercaptophenyl-Thio-Thiadiazolone.

Orig Pub: Chem. listy, 1957, 51, No 2, 278-282.

Abstract: Description of indirect potentiometric and amperometric determination of Bi, and of direct amperometric determination of Cu and Cd, by titration with a solution of Bismuthol (I; K-salt of mercaptophenyl-thio-thiazolone). Determination of Bi: to a known excess of solution of I is added, in a 15-20 ml measuring flask, the solution

Card : 1/2

VORACEK, J
CZECHOSLOVAKIA / Analytical Chemistry--Analysis of inorganic substances.

E-2

Abs Jour : Ref Zhur - Khimiya, No 14, 1959, No. 49213

Author : Cihalik, J.; Voracek, J.

Inst : Not given

Title : Applications of Iodine Chloride in Analytical Chemistry:
X. Microtitrations with Iodine Chloride

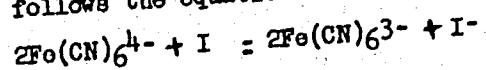
Orig Pub : Chem Listy, 52, No 7, 1269-1273 (1958)

Abstract : The authors have determined optimum conditions for the potentiometric titration of microgram quantities of As^{3+} , $\text{Fe}(\text{CN})_6^{4-}$, and I^- with 0.001 - 0.0001 M solutions of ICl . The microdetermination of An in acid and neutral medium is not feasible because of the long time required for the potential to become stabilized; hence the titration in this case must be carried out in alkaline medium where the oxidation of As^{3+} proceeds according to the equation

Card 1/4

Abn Jour : Ref Zhur - Khimiya, No 14, 1959, No. 49213

$\text{AsO}_3^{3-} + \text{I}^+ + 2\text{OH}^- = \text{AsO}_4^{3-} + \text{I}^- + \text{H}_2\text{O}$. $\text{Na}_2\text{B}_4\text{O}_7$ or NaHCO_3 can be used to regulate the pH of the solutions to be titrated. The potential steadies rapidly and the jump in potential at the endpoint is very distinguishable (the slope is about 13,000 per 0.02 ml 0.001 M ICl). The endpoint potential lies in the neighborhood of +0.38v on the SCE scale. The titration curves are symmetric and correspond to Peters' ratio. The probable average deviation of the results is $\pm 0.72\%$. The optimum volume of unknown solution is 3 - 5 ml which permits the determination of up to 1 μg As. The determination of $\text{Fe}(\text{CN})_6^{4-}$ follows the equation



Card 2/4

E-9

CZECHOSLOVAKIA / Analytical Chemistry--Analysis of inorganic substances.

E-2

Abs Jour : Pof Zhur - Khimiya, No 14, 1959, No. 49213

and proceeds best in NaHCO_3 at pH ca. 8.2; the titration cannot be carried out in acid medium. The slope at the endpoint is 6,000 per 0.02 ml titrant volume; the titration curves are symmetrical. The endpoint potential is +0.36v. $2 - 400\gamma \text{Fe(CN)}_6^{4-}$ can be determined in 3 - 5 ml solution with a probable average deviation of $\pm 0.5\%$. The titration of I^- can be carried out in either weakly acid or in neutral medium or in weakly neutral medium; I^- is oxidized to I_2 . More acid solutions cannot be used in the titration, since the pH of the solution must be below 8; at pH > 8 the hydrolysis of ICl takes place. Very small amounts of I^- are titrated in 0.05 M HCl . The titration curves follow Poters' ratio and their intersection point in neutral and weakly acid medium lies at +0.55v. The slope at the endpoint attains 1,000 per 0.04 ml titrant volume.

Card 3/4

VORACEK, J.

Luminescence of silver chlorides. Chekhosl fiz zhurnal 13 no.9:
680-682 '63.

1. Fyzikalni ustav Karlovy university, Praha.

VORACEK, J.

The use of a pump for concrete at the construction of the Klement Gottwald New Metallurgical Works in Kuncice. p. 191. (Pozemni Stavby, Vol. 5, No. 4, Apr 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

VORACEK, L. st. (Ceske Budejovice)

Use of locomotives and the operation management. Zel.
dop tech 12 no. 7:183 '64.

ALÉXA, Ladislav; VORACEK, Ladislav, inz.

A new method of connecting the winding. Elektrotechnik 17 no.1:
23-24 Ja '62.

1. Zavody V.I.Lenina, Plzen, ET-Doudlevice

VORACEK, Ladislav, inz.

Heavy-duty turboalternators. E1 tech obzor 51 no.4:189-190 Ap '62.

1. Zavody V.I. Lenina, n.p., Plzen.

VORACEK, Ladislav, inz.

Electric and mechanical properties of polyethylene terephthalate foils. El tech obzor 53 no. 1: 44-46 Ja '64.

L 38942-66 EWP(k)/T/EWP(v)/EWP(t)/ETI IJP(c) JD/HM/JH

ACC NR: AP6029711

SOURCE CODE: CZ/0017/65/054/007/0317/0321

AUTHOR: Dubsky, Jan (Professor; Engineer); Krizanovsky, Libor (Engineer); 42
Voracek, Ladislav (Engineer) B

ORG: [Dubsky; Krizanovsky] VSSE, Plzen; [Voracek] V. I. Lenin Plants, n.p., Plzen
(Zavody V. I. Lenina, n.p.)

TITLE: Influence of thermal aging on the mechanical and electrical properties of
cold-pressed butt-welded Cu-Al joints

SOURCE: Elektrotechnicky obzor, v. 54, no. 7, 1965, 317-321

TOPIC TAGS: thermal aging, welding technology

ABSTRACT: New methods of measurement and tests of these joints were verified and compared with present usual procedures. It was found that the results permit a more concrete evaluation of the joints from the point of view of their service life. The tests also proved the possibility of using the joints also in rotating electric machines. This paper was presented by Professor Prudky. Orig. art. has: 7 figures and 1 table. [Based on authors' Eng. abst.] [JPRS: 32,482]

SUB CODE: 13 / SUHM DATE: 09Apr64 / ORIG REF: 006 / SOV REF: 001
OTH REF: 005

Joining of dissimilar metals, 1

Card 1/1

UDC: 621.315.683.017.7

VORACEK, Vl., inz.

Lignite mining and land dynamics by [dr.] H. Barthel. Reviewed
by Vl. Voracek. Uhl 5 no.9:336 S'63.

VORACKOVA, H., inz.

Information on the problem of coal spontaneous ignition
acquired during the study trip to Poland. Paliva 44 no. 4:
111-114 Ap '64.

1. Institute of Mining, Czechoslovak Academy of Sciences.

VORACKOVA, H., inz.

Determining the spontaneous combustibility of coal. Paliva 43
no.5:133-139 Hy '63.

1. Hornický ústav, Československá akademie věd.

Bc

C1

A compound method of determining moisture content of highly conducting salts. C. L. Jackson, L. I. Grushova, and R. P. Blacht-schanks (*Zavod. Lab.*, 1968, No. 87-447).—The H₂O content of powdered salts (NaCl, KCl, NH₄NO₃) is deduced from measurements of resonance changes in a resonator containing the compressed salt, using ultra-short waves and alternating polarization of the electrodes. The resonance change found amount to ~1 mv. per 1% of H₂O, permitting the determination of H₂O content with an error >0.5%. R. T.

MATERIAL MODES
OPEN
CLOSURE ELEMENT

SECTIONAL AND PROPERTY INDEX

ASSOCIATE METALLURGICAL LITERATURE CLASSIFICATION

SOURCE NUMBER
CLASSIFY ONE ONLY

REGISTERED MAP ONLY GEC

PAGEABLE

VORAKSO, Ch. J.

"Sur la question du mesurage des pertes electriques des solutions aqueuses de l'acide sulfurique." by Miscenko, K. P., Voraksq, Ch. J. and Groudkovia, L. I. (p. 149)

SO: Journal of General Chemistry (Zhurnal Obshchei Khimii) 1941, vol 11, no 1.

CA

2

Some physicochemical properties of molten salts of strong electrolytes as determined by a combined method of comparative measurement of dielectric constant and of electrical conductivity. Kh. I. Vorob'ko, L. I. Gendikova and K. P. Mikhchenko. *J. Applied Chem. (U. S. S. R.)* 12, 681-6 (in English, 1945)(1630); cf. C. A. 34, 5411.

The salts that form hydrates did not (to a certain point) change the dielec. consts. or conductivities, whereas the salts that form no hydrates, had a change in the dielec. consts. and cond. even at a small moisture content.

A. A. Podgorov

1ST AND 2ND ORDERS		PROCESSING AND PROPERTIES INDEX		4TH AND 5TH ORDERS	
Relative resonance measurements of sulfuric acid for control purposes. Kh. I. Vurnano, L. I. Gruzikova and K. P. Mikhchenko. <i>Zavodskaya Lab.</i> 9, No. 1, 74-5 (1940).—A resonance curve $I_r = f(C)$ was constructed (I_r is the resonance current strength in mv. and C the concn. of the soln. in wt. %) for both pure H_2SO_4 and tech. H_2SO_4. No appreciable differences were observed. Max. changes in the resonance current were obtained when the system was tuned to a point at the apex of the resonance curve. The sensitivity reached 2 mv. per 1% of the H_2SO_4 concn. with an accuracy of 0.5%. The accuracy can be increased by stabilizing the frequency. The thickness of the walls of the condenser tube affects the accuracy. Three references. W. R. Henn					
ASM-AIA METALLURGICAL LITERATURE CLASSIFICATION					
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CA

7

Method for determining moisture in salts of high electric conductivity. Kh. I. Yuzakov, I. I. Grudkova and K. P. Mishchenko. *Zhurnal Fiz. Khim.* 42:1030 (1968). A method is described for controlling moisture in NaCl, KCl and NH₄Cl by measuring the changes in dielectric constant by the method of resonance using a condenser in which the salt to be investigated occupies only a part of the field. Both ultra-short and short waves were used but the latter does not give accurate and sufficiently differentiated results. The moisture is measured with an accuracy of 0.3%.

U. Z. Kamich

ASU-55A METEOROLOGICAL LITERATURE CLASSIFICATION

CA
2

Measurements of electric losses of aqueous solutions of sulfuric acids. K. P. Minchenko, K. I. Vorakso and L. I. Grudkova. *J. Gen. Chem. (U. S. S. R.)* 11: 140-50 (1941).—A method and an app. for the phys.-chem. analysis of aq. solns. of H_2SO_4 of all possible concns. are described together with app. for the automatic control of the concn. of aq. H_2SO_4 solns. under production conditions. A curve is given of the change of resonance in aq. H_2SO_4 solns. with the change of the concn. of the acid from 0 to 100%. In the limits of 1-100% H_2SO_4 the curve of the change of resonance with the change of the concn. is in general the same as the curve of change of the sp. elec. cond. The curve for very dil. solns. differs from the elec.-cond. curve. The course of the resonance curve is connected with the dielec. losses, which are attributed to changes in the structure of the dipole water medium which can be considered similar to the addnl. capacity, included consecutively into the resonance contour. A further increase of the concn. of the acid increases the capacity of the whole system, and the elec. cond. (resonance) of the soln. begins to play the dominating role. The dipoles, evidently, begin to play a subordinate role, owing to the change in structure of water under the influence of ions. The absence of sharp max. and min. in the curve indicates the existence of an equil. between the various forms of the water. W. R. Henn

ASST. DIR. METALLURGICAL LITERATURE CLASSIFICATION

RECORD SYMBOLS

RECORD MAP ONLY USE

RECORDS

7

Ch

The development of radiotechnical methods for production control. K. P. Mikhchenko, Ya. I. Vlasov and I. I. Grudkova. *Geoduzst. Inst. Prikladnoi Khim., Sbornik Statei 1919-39*, 143-5 (1939); *Khim. Referat. Zhur.* 1940, No. 2, 49. — The radiotech. method of measurement of the dielec. consts. and elec. losses in the condenser filled with the substance under investigation is based on the resonance phenomenon between the vibratory circuit and the source of high frequency. The substance is measured in the condenser connected to the vibratory or resonance circuit. This method (1) overcomes some harmful factors affecting other measurements (polarization, corrosion of electrodes, etc.), (2) produces a high sensitivity of the measurements and (3) permits detn. not only of the loss, but also of the abs. The method is applicable to detn. of moisture of salts of strong electrolytes, liquid air, H_2SO_4 and some org. liquids. It is applicable also for processes of drying, evapn. and in the investigation of colloidal systems.

W. R. Hunt

RESEARCH BIBLIOGRAPHIC CLASSIFICATION

CLASSIFICATION

18

CA
PROCESSING AND PROPERTIES INDEX

Plant tests of an experimental apparatus used for the control of the concentration of sulfuric acid during the absorption of sulfuric anhydride. *Zh. Fiz. Khim.*, 1945, 19, 11, 1110-15 (1945).—Plant tests of an exptl. app. used for the control of H_2SO_4 during the absorption of SO_2 indicated the feasibility of the method for rapid and continuous control. The results obtained were compared with those of chem. analyses and with the control of the absorption process. The error of rapid analyses by the method described was $\pm 0.2\%$. In continuous control the concn. of the acid was kept at 98.0% . The magnitude of the change in the current strength caused by the change in the concn. during absorption was sufficient to be applied in an automatic registering galvanometer and for automatic regulation of absorption. 3 references. W. R. Henn.

ASS. S.E.A. METALLURGICAL LITERATURE CLASSIFICATION

FROM SYNOPTIC

SYNOPTIC

FROM SUMMARY

SYNOPTIC

VORAL, M

CZECHOSLOVAKIA / Chemical Technology, Chemical Products and Their H-32
Application. Artificial and Synthetic Fibers.

Abs Jour : Ref Zhur - Khimiya, No 5, 1959, No. 17771

Author : Voral, M.

Inst : Not given

Title : Regeneration of Sulfur in the Manufacture of Viscose
Fiber and Possibilities of its Improvement

Orig Pub : Chem. zvesti, 1958, 12, No 4, 244-251

Abstract : Values of S losses occurring in various states of
manufacture of the viscose fiber are presented together
with the innumeration of their specific sources. It is
reported that through the improvements made in the
process conditions and apparatus, quantity of the regenerated
sulfur was increased from 16 to 18.5% based on the total
quantity of S used in the process. Ways of further
improvements are indicated. Experiments involving the

Card 1/2

11-142

25488
S/021/61/000/005/007/012
D215/D304

3,1560

AUTHOR:

Vorashylov, V.I.

TITLE:

Photographic and photo-red stellar magnitudes in the region of the Milky Way with center $\alpha = 18^h 50^m$, $\delta = +50^\circ$.

PERIODICAL: Akademiya nauk Ukrayins'koyi RSR. Dopovidi, no. 5, 1961, 616-619

TEXT: The present work is a part of the photometric plan of Parenago to investigate the Milky Way, performed at the Main Astronomical Observatory AS UkrSSR. It gives the results of one selected area, with center $\alpha = 18^h 50^m$, $\delta = +50^\circ$ of the size of 36 sq. degr. The catalogue holds photographic stellar magnitudes from $9^m - 13.8^m$ of 5800 stars and photo-red stellar magnitudes from $8^m - 13^m$ of about 7000 stars. Observations were made by the astrograph with two cameras, on the Agfa-Astro plates, with 30 mins. exposures. The photographic magnitudes of the compared stars were taken from

Card 1/3

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D215/D304

Photographic and photo-red ...

HSR-0₁₀. In general the measurement was completed on three plates, but for the stars for which the mean square was greater than 0.06 - the fourth one was used. On the photographic plates 6.5⁰ from the center is present the standard of UBV system - the star cluster NGC 6633. The blue magnitudes of its stars are connected by formula

$$I_{ph} = B - 0.175 + 0.088 / B - V / \quad (1)$$

with the international scale; they were used to test the scale of the catalogue. Photo-red magnitudes were obtained from the Agfa ISS plates; obtained from a short-focus camera of the triple-camera astrograph, with an orange filter and the maximum of permeability near 7200 Å and with an exposure of 30 min. The stars of NPS system were used as standard stars. The mean square error for photographic and photo-red magnitudes equals ± 0.04. At present, investigations are being continued for the photovisual magnitudes of the stars of this area. The main aim was to obtain such a combination of emulsion and filter which will directly produce the international photovisual scale. This is achieved by a combination of Agfa

Card 2/3

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D215/D304

Photographic and photo-red ...

ISS plates with filter ZHS-12 (XC-12) [Abstractor's note: ZHS not explained]; standard stars, as in the previous case, were stars of cluster NGC6633. For the control, and to find the field error, pictures were taken of the NPS system. The photovisual catalogue of star magnitudes was finished in 1960. There are 3 figures and 6 references: 2 Soviet-bloc and 4 non-Soviet-bloc. The references to the English-language publications read as follows: W. Hiltner, R. Iriarte, H. Johnson, Astrophys. J., 127, 539, 1958; H. Johnson, Astrophys. J., 116, 640, 1952; H. Johnson, Astrophys. J., 117, 318, 1953.

ASSOCIATION: Holovna astronomichna observatoriya AN UkrSSR (Main Astronomical Observatory, AS UkrSSR)

PRESENTED: N.P. Barabashov, Member AS UkrSSR

SUBMITTED: November 10, 1960

Card 3/3

BULGARIA / Cultivated Plants. Fruits, Berries,
Nutbearing, Teas.

M-6

Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 6406
Author : Khristov, Lulcho; Vorbanov, Tsvyatko
Inst : Not given
Title : The State and Prospects of Fruit Cultivation
Development in the Neighborhood of Vrachanska
Orig Pub : Ovoshcharstvo i gradinarstvo, 1958, No 1, 10-16
Abstract : No abstract given

Card 1/1

eA

Action of pyrazolone derivatives on mitotic division and thymonucleic acid metabolism in the root meristem of *Allium cepa* and *Phaseolus multiflorus*. A. Vortvort (Acad. Med., Lublin, Poland). *Bull. intern. acad. polon. sci., Classe sci. math. et nat.* 103, 1, 177-90 (1961).—Attached roots were submerged in tap water, in soln. of antipyrine (1.0, 0.1%), and in pyrazolone (1.0, 0.3, 0.01%). The latter was more active. Both compounds caused abnormal mitosis, e.g. greater proportion of cells in telophase, abnormal figures, and binucleate cells. The Feulgen test indicated more nucleic acid in the telophase. After complete stoppage of mitosis, granules of nucleic acid appeared. J. J. Willeman

VORBRODT, A.

Distribution of vitamin C in Crocker's sarcoma and other mouse tissues. Pat. polska 3 no. 3:237-248 July-Sept 1952. (CML 23:5)

1. Of the Institute of Pathological Anatomy (Head--Prof, S. Mahrburg, M.D.) of Lublin Medical Academy.

VORBRÖDT, Andrzej

Chemical Abst.
Vol. 48
Apr. 10, 1954
Biological Chemistry

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⑤
The distribution of vitamin C in the cornea with experimental ulceration. Tadeusz Krawczyk, Maria Seldner-Dymitrowicz, and Andrzej Vorbrodt (Z. Klin. Okulistik [Zentralbl. Med. Lublin, Poland]. Ann. Univ. Mariae Curie-Skłodowska, Lublin-Poland, Sect. D, 7, 189-90 (1952) (English summary).—In rabbits with exptl. corneal ulceration, vitamin C (I) was found in the region of ulceration if this was superficial. Subconjunctival injection of I caused an accumulation of I in the region of ulceration; this effect was less marked with intravenous injections. Subconjunctival and intravenous injections of I given simultaneously caused an increased reaction to I in the region of ulceration. L. J. Piotrowski

104- 9-20-54

VORBRÖDT, Andrzej

Studies on distribution of SH groups of nucleic acid in Crocker's sarcoma and in embryonic mesenchymal tissue in mice. Rozpr. wydz. lek. Polska Akad. umiej. 13 no.1:1-21 1952.

1. Zakład Anatomii Patologicznej Akademii Medycznej w Lublinie.
Kierownik: prof. dr Stanisław Mahrburg.

(NUCLEIC ACIDS, metabolism,

Crocker's sarcoma & embryonic mesenchymal tissue in mice,
distribution of sulfhydryl groups)

(SULFHYDRYL COMPOUNDS, metabolism,

Crocker's sarcoma & embryonic mesenchymal tissue in mice,
distribution of nucleic acid sulfhydryl groups)

(SARCOMA, experimental,

Crocker's, nucleic acid sulfhydryl group distribution in)

(EMBRYO, metabolism,

nucleic acid, distribution of sulfhydryl group of nucleic
acid in mouse embryo mesenchymal tissue)

VORBRODT, Andrzej

GODLEWSKI, Henryk; VORBRODT, Andrzej

Application of Brachet's method for detection of ribonucleic and deoxyribonucleic acids. Pol. morph., Warsa. 5 no.2:137-144 1954.

1. Z Państwowego Instytutu Onkologii w Oliwiczach. Dyrektor: dr J.Świecicki. Zakład Biologii Nowotworów. Kierownik: prof. dr. D.Łux.
(NUCLEIC ACIDS, determination,
Brachet's technic)

VORBRÖDT, Andrzej

KRWAWICZ, Tadeusz; SEIDLER-DYMITROWSKA, Maria; VORBRÖDT, Andrzej

Significance of vitamin C in fixed cells of the cornea in determination of its role in the active mesenchyme. Klin. oczna 24 no.2:93-98 1954.

1. Z Kliniki Okulistycznej Akademii Medycznej w Lublinie.
Kierownik: prof. dr T.Krwawicz.
(VITAMIN C, metabolism, (CORNEA, metabolism,
CORNEA) *vitamin C)

VORBRÖDT, A.

Autoradiographic studies on the effect of X rays on the uptake
of ^{14}C -orotic acid by Ehrlich ascites cells. Bul Ac Pol biol
10 no.4:111-116 '62.

1. Department of Tumor Biology, Institute of Oncology, Gliwice.
Presented by J.Heller.

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VORBRODT, A.

Effect of adenosinetriphosphate and ribonucleic acid upon the uptake of (2-¹⁴C) penylalanine and (6-¹⁴C) orotic acid by nuclei isolated from rat thymus, liver and hepatoma.
Folia morphol 21 no.3:377-378 '62.

~~Instytut Biologii Nowotworow, Instytut Onkologii, Gliwice.~~
Dyrektor Instytutu: dr med. J. Swiecki.

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SCHNEIBERG, Krzysztof; KRZYZOWSKA, Stefania; VORERODT, Andrzej

Influence of the spleen on iron stored in the liver of
C-57-BL mice. Folia morphol 22 no.1:25-34 '63.

1. Instytut Onkologii, Oddzial Gliwice. Dyrektor: dr med.
J. Swiecki.

X

VORBRODT, A.; STEPLEWSKI, Z.; ZOINIERCZYK, Z.

Cytochemical investigations on the localization of oxidative enzymes in isolated nuclei of the rat liver. Folia histochem. cytochem. (Krakow) 3 no.2:137-142 '65.

1. Department of Tumour Biology, Institute of Oncology, Gliwice.

POLAND

A. VORBERODT, M. CHORAZY and T. WILCZOK, Department of Tumor Biology,
Institute of Oncology (Zaklad Biologii Nowotworow, Instytut Onkologii),
Gliwice.

"Autoradiographic Studies on In Vitro Uptake of Heterologous RNA and DNA
by Isolated Normal and Neoplastic Neoplastic Nuclei."

Warsaw, Bulletin de l'Academie Polonaise des Sciences, Serie des
Sciences Biologiques, Vol 10, No 10, 1962; pp 417-420.

Abstract [English article]: Study of penetration of C^{14} or H^3 -labelled
RNA or DNA into nuclei of rat thymus, liver or Novikoff hepatoma cells:
ATP increased incorporation; DNase decreased radioactivity. Highest
incorporation was observed in the liver, less in thymus and hepatoma.
Two tables, 6 microphotographs; 5 Polish and 7 Western references.

1/1

KUSNIERCZYK, Wacław; WIECZORKIEWICZ, Anna; VORERODT, Janina

Attempted prevention of excessive reactions to radiation in the treatment of laryngeal cancer with roentgen rays. Nowotwory 13 no.4:341-346 O-D'63.

1. Z Kliniki ORL Sl. AM w Zabrze (kierownik: prof. dr.med. T.Ceypek) i Instytutu Onkologii w Gliwicach (dyrektor: dr. med. J.Swiecki).

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HLINIAK, Irena; VORBRDT, Janina; WIECZORKIEWICZ, Anna; KOZLIK, Ryszard

Statistical analysis of results in the treatment of cervical cancer according to material of the Institute of Oncology in Gliwice during 1947-1952. Nowotwory 11 no.3/4:329-337 '61.

1. Z Instytutu Onkologii -- Oddzial Gliwice Dyrektor: dr med. J. Swiecki.

(CERVIX NEOPLASMS ther)

EXCERPTA MEDICA Sec 16 Vol 7/9 Cancer Sept 59

3609. Comparative histochemical study on the content of SH groups and SS bonds in the cells of granulation tissue and transplantable sarcoma in rats. Porównawcze badania histochemiczne nad zawartością grup -SH i wiązań -S-S- w komórkach tkanki łącznej granulacyjnej oraz przeszczepialnego mięsaka szczura. VORBRÖDT K. Zakł. Biol. Nowot. Inst. Onkol.-Oddz., Gliwice. Nowotwory 1958, 8/3-4 (205-215) Tables 3 Illus. 5

Comparative microphotometric measurements of the intensity of the Barnett and Seligmann reaction or protein-bound thiol groups were carried out on the cells of normal s.c. connective tissue, granulation tissue, the walls of Selye's granuloma pouches, and cells of transplantable rat sarcomata. A progressive increase in the relative content of the protein-bound thiol groups was found as follows: normal and granulation tissue, fibrous tissue surrounding the granulation, sarcoma cells, and the tissue forming the tumour capsule. As compared to the normal connective tissue, the value of the ratio SH:SS is lower in the tissue surrounding the sarcoma and still lower in the sarcoma itself; on the other hand, it is higher in granulation tissue and in the surrounding tissue.

Dux - Warsaw

POLAND/Human and Animal Physiology - (Normal and Pathological). T
Action of Physical Factors. Ionizing Radiation.

Abs Jour : Ref Zhur Biol., No 4, 1959, 18074

Author : Bankowski , Zbigniew; Vorbrodt, Kraysztof

Inst : -

Title : Early Changes of the Histochemical Reaction of SH-Groups
and to S-S Connections in the Epidermis of Rats after
Irradiation.

Orig Pub : Folia morphol., 1958, 9, No 1, 57-61

Abstract : In the skin of rats immediately after irradiation with
2400 r, a clear decrease of the content of SH-groups
and an increase of connections S-S were noted. It is
assumed that under the influence of irradiation, SH-
groups turn out to be oxidized to the S-S connection.
-- From the Author's resume.

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POLAND/Human and Animal Physiology - (Normal and Pathological). T
Action of Physical Factors. Ionizing Radiation.

Abs Jour : Ref Zhur Biol., No 4, 1959, 18070

Author : Vorbrodt, Krzysztof; Godlewski, Henryk; Dux, Anna

Inst :

Title : Changes in the Relative Content of Nucleic Acids in the
Epidermis of Rats in Local Irradiation

Orig Pub : Folia morphol., 1958, 9, No 1, 39-48

Abstract : With the contact apparatus of Sholl the skin of the hip
of white rats was irradiated and the intensity was studied
of histochemical reactions to nucleic acids after 3, 6 and
24 hours. DNA were discovered according to the method of
Felgen, RNA according to the method of Brashe. The inten-
sity of reactions was determined microphotometrically;
the intensity of metachromasy beta by means of metachro-
matic index. Immediately after irradiation, the decrease
of reactions to nucleic acids was noted; in subsequent

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- 128 -

POLAND/Human and Animal Physiology - (Normal and Pathological).
Action of Physical Factors. Ionizing Radiation.

T

Abs Jour : Ref Zhur Biol., No 4, 1959, 18070

hours a return to control values. -- From the author's
resume.

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