

S/191/60/000/005/015/020
B004/B064

AUTHORS: Parlashkevich, N. Ya., Derkovskaya, I. L., Luzhkov, Yu. M.,
Bil'dina, V. P.

TITLE: Automatic Control and Regulation of the pH in the Production
of Urea Formaldehyde Resins

PERIODICAL: *Plasticheskiye massy*, 1960, No. 5, pp. 56-59

TEXT: Two continuous methods of producing urea formaldehyde resins are briefly described: A) Partial condensation of the urea formaldehyde mixture in the first stirrer, finishing of condensation in a second one attached below, at $\text{pH} = 4.5 \pm 0.2$, and stabilization in the third stirrer at $\text{pH} = 7.5 - 8.0$. B) Production of the urea formaldehyde mixture at a molar ratio of 1 : 2, addition of NaOH until a pH of 5.2 has been reached, continuous flow of the mixture into the reaction vessel where condensation takes place at $110-120^\circ\text{C}$ with addition of diethylene glycol, and stabilization in a third vessel at $\text{pH} = 7.0 - 7.5$. The following electrodes were used to regulate the pH: 1) glass electrodes with high-ohmic pH-meter system Ts.L.A. (Central Automation Laboratory); 2) antimony electrodes of the CY-0 (SU-0) type with ЭПД-12 (EPD-12) or ЭПД-32 (EPD-32) potentiometer. Card 1/2

Automatic Control and Regulation of the pH
in the Production of Urea Formaldehyde
Resins

S/191/60/000/005/015/020
B004/B064

meters, the measuring range of which was extended to 200-600 mv in accordance with the instruction given by the Moskovskiy zavod "Manometr" (Moscow "Manometr" Plant), "Electronic Automatic Potentiometers and Bridges". Stable values of measurement were obtained from tests of glass electrodes at 95°C and a pH between 7.15 and 7.7, from antimony electrodes at the same temperature and pH = 5.1 and 5.6. The reference electrode was in both cases a calomel electrode in saturated KCl solution connected with the reaction vessel by a semi-permeable membrane. Either an electromagnetic control valve of the ЭС1-5101 (ES1-5101) type or a pneumatic dosing device of stainless steel were used for control. The practical test which was jointly carried out by I. S. Shentsis, T. S. Ivanovskaya, V. A. Morozov, L. I. Panikova, and V. A. Rodionov confirmed the good efficiency of automatic pH control. There are 7 figures and 2 references: 1 Soviet, 1 US, and 1 German. ✓

Card 2/2

PARLASHKEVICH, N.Ya.; LUZHKOV, Yu.M.; BIL'DINA, V.P.

Automatic control and regulation of its production of phenol-
formaldehyde resins. Plast.massy no.6:54-57 '60. (MIRA 13:11)
(Phenol condensation products) (Automatic control)

L 11056-63

EWI(q)/EWT(m)/BDS--AFFTC/ASD--JD

ACCESSION NR: AP3000475

S/0153/63/006/001/0114/0118

AUTHOR: Filippova, L. I.; Bil'dinov, K. N.

54
53

TITLE: Electrodeposition of chromium from sulfate salts

SOURCE: Izv. VUZ: Khimiya i khim. ²¹tehnologiya, v. 6, no. 1, 1963, 114-118

TOPIC TAGS: chrome plating, electrodeposition of chromium

ABSTRACT: In recent years great interest has been shown in chromium plating using electrolytes of trivalent chromium salts, which do not have the drawbacks of chromium anhydride electrolytes. The present study sought further improvement of methods of depositing protective-decorative chrome from trivalent salts to obtain bright surfaces at high current yields. Two types of (aqueous) electrolytes were investigated, one utilizing a chromium and ammonium sulfate base, and the other a chromium and sodium sulfate base. The first was found to be inferior with respect to permissible current densities, buffering properties, current yields, and formation of hexavalent chromium (which adversely affects the current yield and the quality of the deposit). The second electrolyte was extensively investigated as to the effect of the concentration of each component chemical, the bath temperature, and the current density on current yield and quality of the deposit. To retain the

Card 1/2

L 11056-63

ACCESSION NR: AP30090475

proper acidity (pH=4 or - 0.1), a buffering system composed of boric acid and NaF was used which was found to increase the quality of the deposit above certain concentrations. Optimum conditions were as follows: electrolyte composition (in gm/l): chromic sulfate 180-200, ferrous sulfate (melanterite) 2-3, sodium sulfate 100-150, NaF - 10, boric acid 30; temperature 67-70C; cathode current density 35-45 amp/sq. dm. Anodes were of pressed magnetite powder (to prevent oxidation of trivalent Cr to hexavalent Cr at the anode). The above electrolyte gives bright deposits up to 2-2.5 microns in thick, and dull deposits up to 10 microns thick, at a current yield of 40 to 44%. The deposit consists of a 5 to 7% alloy of iron in chromium, with the usual electrodeposition microstructure. For thicknesses greater than 9 microns, the structure is spongy. Orig. art. has: 2 figures and 3 tables.

ASSOCIATION: Kafedra tekhnologii elektrokhimicheskikh proizvodstv, Ivanovskiy khimiko-tekhnologicheskii institut (Department of Electrochemical Production Technology, Ivanovskiy Chemical Technological Institute)

SUBMITTED: 16Oct61

DATE ACQD: 21Jun63

ENCL: 00

SUB CODE: CH, ML

NO REF SOV: 001

OTHER 007

Sw/wm
Card 2/2

BILDIREV, P.

"Possibility of increasing the amount of raw materials for production of cellulose", P. 6., (TESHKA PROMISHLENOST, Vol. 3, No. 6, 1954, Sofiya. Bulgaria)

SO: Monthly List of East European Accessions, (SEAL), LC, Vol. 4, No. 6, June 1955, Uncl.

NAPLATANOV, N.D.; BILDIREV, Zh.S.

Electric modeling of the systems of automatic control with delayed feedbacks. Godishnik mash elekt 13 no.2:243-264 '63. [publ. '64].

AUTHORS: Bil'dt, Ye. O., Landsberg, R. S. 103-19-5-14/14

TITLE: A Bibliography of Publications Concerning Problems of
Mathematical Simulation (For Computers in Continuous
Operation) **Published in 1956**
[Bibliografiya literatury po voprosam matematicheskogo
modelirovaniya (po vychislitel'nykh mashinam nepreryvnogo
deystviya) za 1956]

PERIODICAL: Avtomatika i Telemekhanika, 1958, Vol. 19, Nr 5,
pp. 493-516 (USSR)

ABSTRACT: I. Books.
6 new books, two of which are Soviet, are enumerated here.
II. Transaction of Congresses and Conferences. 11 non-
Soviet publications are enumerated here.
III. General Theoretical Problems. 60 publications, 12 of
which are Soviet, are enumerated here.
IV. Electronic simulators. 50 publications, 4 of which are
Soviet, are enumerated here.
V. The calculating elements of electronic computers. 93
publications, 11 of which are Soviet are enumerated here.

Card 1/2

A Bibliography of Publications Concerning Problems of 103-19-5-14/14
Mathematical Simulation (For Computers in Continuous Operation)
Published in 1956

- VI. Electromechanical Computers. 9 publications, 1 of which is Soviet, are enumerated here.
- VII. The specialization of computers for continuous operation. 19 publications, 4 of which are Soviet, are enumerated here.
- VIII. Devices for the transition from a numerical code to physical quantities and inversely. 20 non-Soviet references are given here.
- IX. The application of simulators. 78 references, 15 of which are Soviet, are given here.
- X. Mathematical models as a basis for direct analogy. 71 publications, 10 of which are Soviet, are given here.
- XI. Numerical simulation. 4 non-Soviet references are given here.
- XII. Bibliography. 4 bibliographical publications, 2 of which are Soviet, are enumerated here.

AVAILABLE: Library of Congress
Card 2/2 1. Mathematical computers—Bibliography

USCOMM-DC-55, 166

BIL'DUSHKINOV, Vissarion

In the cool dawn. IUn.nat. no.5:36-37 '61.
(Muskrat.)

(MIRA 14:3)

BIL'DYAYEV, B.; LINKEVICH, Yu.; BURDYUKOV, V.

Cushioning the compass card. Mor. flot 18 no.4:17 Ap '58.
(MIRA 12:12)

1.Rabotniki elektroradionavigatsionnoy kamery Murmanskogo parokhod-
stva.

(Compass)

BIL'DYUKEVICH, A.L.

Universal laboratory electromagnet. Prib. i tekh. eksp. 8 no.2:133-136
Mr-Ap '63. (MIRA 16:4)

1. Kazanskiy gosudarstvennyy universitet.
(Electromagnets)

L 13381-63

EWT(1)/EDS AFFTC/ASD

ACCESSION NR: AP3002741

S/0120/63/000/003/0148/0149

AUTHOR: Bil'dyukovich, A. I.

TITLE: KGU-MP230 laboratory permanent magnet ²¹

59
58

SOURCE: Pribory* i tekhnika eksperimenta, no.3, 1963, 148-149

TOPIC TAGS: spectroscopy, spectrometer, permanent magnet

ABSTRACT: Most permanent magnets used in high-resolution spectrometers have had a constant gap. Some applications, however, require an adjustable gap. The new 600-kg, adjustable-gap magnet produces a flux density of 5.7 kilogausses in a 30.5-mm (180-mm diameter) gap with a field uniformity of 10^{-5} in 1 cm^3 . The gap range is 15-50 mm. The magnet design, appearance, and a flux-density vs. gap curve are presented. The magnet is used as a part of an impulse-type nuclear-magnetic-resonance radiospectroscope. "In conclusion, the author wishes to thank G. N. Shabanov for his help in assembling the magnet, R. K. Mazitov for reporting the results of testing of a similar-design magnet, and also Yu. A. Shamonin, V. D. Korepanov, A. I. Chernitsy*n, and R. A. Dautov for useful discussions." Orig. art. has: 3 figures.

Card 1/2

Kazan St. Un.

BIL'DYKKEVICH, M.A. (Odessa)

"Late results of the treatment of chronic periodontitis with
sulfonilamide and "asfalin" pastes. Probl. stom. 6:189-192
'62.

(MIRA 16:3)

(GUMS—DISEASES) (THERAPEUTICS, DENTAL)

SHAGUN, Mariya [Shahun, M.], slesar'-sborshchik; SADOVSKAYA, V. [Sadovskaya, V.], komsorg.; VOYTEKHOVSKIY, M.M.; [Voitsakhouski, M.M.], uchitel' (derevnaya V. Stseblevichi, Zhitkovitskogo rayona); BIL'DZYUKOVICH, E.; KRYVOSHEYENKO, Petr [Kryvasheenko, P.], elektromonter; SHAREYEV, Anatol' [Sharaiou, A.] (derevnaya Tudorovo, Shklovskogo rayona); ABRAMENKO, Valentina [Abramenka, V.], uchitel'; FROMOV, Grigoriy [Fralou, Ryhor] (g.Krichev)

Let's talk about happiness. Rab.i sial. 36 no.10:18-19 0 '60.
(MIRA 13:10)

1. Zavod bytovykh priborov, Grodno (for Shagun). 2. Fabrika "KIM," g. Vitebsk (for Sadovskaya). 3. Vasilevichskaya dorozhnaya remontno-ekspluatatsionnaya stantsiya (for Krivosheyeno). 4. Borovichskaya srednyaya shkola Porechnenskogo rayona, Gomel'skoy oblasti (for Abramenko).

(Women--Employment)

BIL'DYUKEVICH, A.L.; VIMOKUROV, V.M.; ZARIPOV, M.M.; POL'SKIY, Yu.Ye.;
STEPANOV, V.G.; CHIRKIN, G.K.; SHEKUN, L.Ya.

Electron paramagnetic resonance in andalusite. Zhur. eksp. i
teor. fiz. 39 no. 6:1548-1551 D '60. (MIRA 14:1)

1. Kazanskiy gosudarstvennyy universitet.
(Paramagnetic resonance and relaxation)
(Andalusite)

S/0120/63/000/006/0186/0187

ACCESSION NR: AP4006843

AUTHOR: Bil'dyukevich, A. L.

TITLE: Low-temperature measuring resonator for a 3.2-cm wavelength

SOURCE: Priboxy* i tekhnika eksperimenta, no. 6, 1963, 186-187

TOPIC TAGS: resonator, crystal structure, H sub 011 wave resonator,
low temperature resonator

ABSTRACT: A 3.2-cm H sub 011-mode resonator is described for EPR studies of crystals at the temperature of liquid nitrogen (also hydrogen and helium). A 48-mm diameter copper tube with a tuning plunger is machined to a high precision, resulting in a Q-factor of 10,000. The test crystal is fixed in the center of the cavity on a polystyrene-foam backing at a distance of 15 mm or less between the centers of the crystal and the field sensor center; a rotating magnet is used. A design drawing is supplied. The necessity of defreezing the resonator to replace the specimen is considered a disadvantage of the design. The device was awarded

Card 1/2

ACCESSION NR: AP4006843

Author's Certificate No. 154303, published in Byulleten' izobreteniy i tovarnykh znakov, no. 9, 1963. "The author wishes to thank A. Z. Petrov for his cooperation; R.M. Valishev and M. Orlov for their valuable advice and testing an experimental model of the resonator; and Yu. K. Platonov and N. M. Kukushkin for building the resonators." Orig. art. has: 2 figures.

ASSOCIATION: Kiyevskiy gosudarstvennyy universitet (Kiev State University)

SUBMITTED: 19Dec62

DATE ACQ: 24Jan64

ENCL: 00

SUB CODE: GE

NO REF SOV: 003

OTHER: 002

Card 2/2

BIL'DYUKEVICH, A.L.

The KGU-MP230 permanent magnet for laboratory studies. Prib. i tekhn.
eksp. 8 no.3:148-149 My-Je '63. (MIRA 16:9)

1. Kazanskiy gosudarstvennyy universitet.
(Magnets)

ACCESSION NR: AP4041054

S/0120/64/000/003/0210/0213

AUTHOR: Bil'dyukevich, A. L.

TITLE: Laboratory electromagnet KGU-EM400U

SOURCE: Pribory* i tekhnika eksperimenta, no. 3, 1964, 210-213

TOPIC TAGS: magnet, electromagnet, magnetic induction, electro-
magnet yoke, electromagnet shoe, electromagnet gap

ABSTRACT: The KGU-EM400U 5-ton laboratory electromagnet is described. With a power consumption of 4 kw it can produce fields up to 2 tesla in a gap of 240 x 40 mm, with a field uniformity of 10^{-6} (in a volume of 1 cm^3), and up to 3 tesla in a gap of 100 x 10 mm, with a field uniformity of 10^{-5} in the same volume. As a result of investigations with various types of electromagnets, the following conclusions were drawn: the yoke form has little effect on induction in the gap, and the most suitable from the point of view of magnetic conductivity is an axially asymmetric yoke; the form of the magnet's shoes has an essential effect on the induction in the gap and on field homogeneity there. Moreover, for each gap length there is an optimum geometry of

Card 1/2

ACCESSION NR: AP4033145

S/0120/64/000/002/0185/0187

AUTHOR: Bil'dyukevich, A. L.

TITLE: Low-temperature measuring resonator for electron-paramagnetic resonance studies at 0.8-cm wavelength

SOURCE: Priboiy* i tekhnika eksperimenta, no. 2, 1964, 185-187

TOPIC TAGS: electron paramagnetic resonance, resonator, measuring resonator, low temperature measuring resonator, single crystal epr spectrum

ABSTRACT: The new design of a mode H_{01} resonator permits orienting the test object in horizontal and vertical planes during measurement without turning the magnet and with the resonator cooled. Rotatable plug 1 (see Fig. 1 of the Enclosure) is used which permits mounting large crystals. Copper resonator 5 has an ID of 12 mm and 1-mm-thick walls. The plunger is turned by tube 2 connected to 360° scale 7. The resonator is tuned by micrometer lead screw 9. Coupling port 13 with a diameter of 1.6 mm serves to excite the resonator; the coupling port and waveguide 16 connect the resonator with a detector. A nuclear

Cord 1/3

ACCESSION NR: AP4033145

flux-density meter has its sensor 21 mounted inside the tuning plunger 4-5 mm from the center of test crystal 20. As a result, an error of only 0.2 gauss is claimed in measuring a field 10-15 kgauss strong. The sensor is connected by coaxial 22 to oscillator 23. The resonator is placed in a cryostat which is mounted on flange 25. Orig. art. has: 1 figure.

ASSOCIATION: Kazanskiy gosudarstvennyy universitet (Kazan State University)

SUBMITTED: 10May63

ATD PRESS: 3066

ENCL: 01

SUB CODE: EC, NP

NO REF SOV: 010

OTHER: 000

Card 2/3

ACCESSION NR: AP4033145

ENCLOSURE: 01

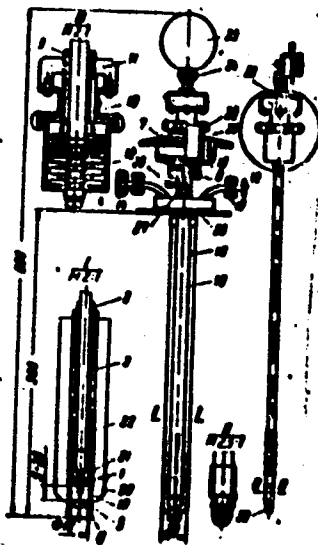


Fig. 1. A new low-temperature measuring resonator for electron-paramagnetic-resonance studies at 0.8-cm wavelength.

Card 3/3

BIL'DYUKEVICH, A.L.

The KGU-EM400U electromagnet for laboratory use. Prib. i tekhn.
eksp. 9 no.3:210-213 My-Je '64 (MIRA 18:1)

1. Kazanskiy gosudarstvennyy universitet.

BIL'DYUKOVICH, M.A.

Using microcids in the treatment of periodontitis. Stomatologiya
36 no.2:70 Mr-Apr '57. (MLSA 10:6)

1. Iz terapevticheskogo otdela (zav. L.I.Berger) Odesskogo
nauchno-issledovatel'skogo stomatologicheskogo instituta (dir.
M.I.Kukhareva)
(TEETH--DISEASES) (ANTIBIOTICS)

BIL'DYUKOVICH, M.A., nauchnyy sotrudnik (Odessa)

Late results of treating chronic periodontitis by diathermocoagulation. Vrach.delo no.1:1317 D '58. (MIRA 12:3)

1. Otdel terapevticheskoy stomatologii (zav. - starshiy nauchn. sotrudnik L.I. Berger) Ukrainskogo nauchno-issledovatel'skogo stomatologicheskogo instituta. (DIATHERMY) (GUMS--DISEASES)

BIL'DYUKOVICH, M.A., nauchnyy sotrudnik

Acting on the cervical autonomic apparatus through physical therapy
in treating paradontosis. Stomatologiya 37 no.5:30-31 8-0 '58
(MIRA 11:11)

1. Iz otdela terapevticheskoy stomatologii (sav. - starshiy
nauchnyy sotrudnik L.I. Berger) Odesskogo nauchno-issledovatel'skogo
stomatologicheskogo instituta.
(GUMS--DISEASES)
(PHYSICAL THERAPY)

BIL'DYUKEVICH, M.A.

Late results of treating chronic periodontitis by filling the
root canals with phosphate cement. Probl. stom. 5:201-204 '60.

(MIRA 15:2)

1. Odesskiy nauchno-issledovatel'skiy stomatologicheskiy institut.
(DENTISTRY, OPERATIVE) (TEETH_DISEASES)

ESL'DYUKEVICH, V.L.; ROBAK, A.S., mekhanik

Productive capacity of mineral-wool furnaces has grown. Stroim.
mat. 11 no.4:5-6 Ap '65. (MIRA 18:6)

1. Direktor Minskogo kombinata stroymaterialov (for Esldyukovich).
2. Tsekh mineral'noy vaty Minskogo kombinata stroymaterialov (for Robak).

USSR/Physics - Technical physics

Card 1/1 Pub. 22 - 16/48

Authors : Bil'dzyukevich, I. A.; Golovchiner, Ya. M.; and Kurdyumov, G. V., Academician

Title : The nature of coercive force changes during the tempering of hardened low-carbon steel

Periodical : Dok. AN SSSR 98/3, 385-387, Sep 21, 1954

Abstract : The three factors playing an important role in the intensive development of coercive forces, during hardening of steel, are listed. It was established that the Martensite conversion mechanism in itself leads to considerable increase in coercive force as result of the originating internal hammering. The effect of other factors on the change in coercive force, during the tempering of low-carbon steel, is explained. Experimental results show that tempering at 220° results in lesser increase in coercive force than hardening. Fifteen USSR references (1933-1954). Graph.

Institution : Central Scientific Research Institute of Ferrous Metallurgy, Institute of Metal Research and Physics of Metals

Submitted : June 9, 1954

~~Arbuzova~~ (BIL'DZYUKEVICH), I. A.

Arbuzova (Bil'dzyukevich), I. A. - "The Force of Coercion and the Fine Crystalline Structure of Alloys Based on Iron." Acad Sci Ukrainian SSR. Inst of Metallphysics. Kiev, 1956 (Dissertation for the Degree of Candidate in Physicomathematical Sciences).

So: Knizhnaya Letopis', No. 10, 1956, pp 116-127

KURDYUMOV, G.V.; BIL'DZYUKEVICH, I.A.; KHANDROS, A.G.; CHERNYI, V.G.

Changes of the fine crystalline structure during the aging of
nickel and iron-nickel-base alloys. Issl. po sharopr. splav. 3:183-188
' 58. (MIRA 11:11)

(Nickel alloys--Metallography)

KURDYUMOV, G.V. [Kurdiumov, H.V.]; BIL'DZYUKYICH, I.A. [BIL'DZIUKVYCH, I.A.];
KHANDROS, L.G. [Khandros, L.H.]; CHERNYI, V.G. [Chornyi, V.H.]

Change in the fine crystalline structure of some heat-resistant alloys
during aging [with summary in English]. Ukr.fiz.zhur. 3 no.4:495-505
J1-Ag '58. (MIRA 11:12)

1. Institut metallofiziki AN USSR.
(Heat-resistant alloys--Metallography)

15 PL D Z y u K E V I C H , I . A .

18(7) PHASE I BOOK EXPLOITATION SOW/3355

Academiya nauk SSSR. Institut metallurgii. Nauchnyy sovet po probleme sharoprochnykh splavov

Iskucheniya po sharoprochnym splavam. IV (Studies on Heat-resistant Alloys. vol. 4). Moscow Izdatvo AN SSSR, 1959. 400 p. Errata slip inserted. 2,200 copies printed.

Ed. of Publishing House: V. A. Kiselev; Tech. Ed.: A. P. Guseva; Editorial Board: I. P. Bardin, Academician; G. V. Kurdyumov, Academician; N. V. Agayev; Corresponding Member, USSR Academy of Sciences; I. A. Odling, I. M. Pavlov, and I. P. Zudin, Candidate of Technical Sciences.

PURPOSE: This book is intended for metallurgists concerned with the structural metallurgy of alloys.

COVERAGE: This is a collection of specialized studies of various problems in the structural metallurgy of heat-resistant alloys. Some are concerned with theoretical principles, some with descriptions of new equipment and methods, others with properties of specific materials. Various phenomena occurring under specified conditions are studied and reported on. For details, see Table of Contents. The articles are accompanied by a number of references, both Soviet and non-Soviet.

Studies (Cont.)

at-High Temperatures	101
<u>Rezhnikov, I. N., and V. S. Mikhailov.</u> A Study of the Solubility of Atoms in Intermetallic Alloys by the Internal Friction Method	108
<u>Baklan, V. G., and N. M. Burkov.</u> Precipitations as an Aid in the Experimental Observation of Sources of Dislocations	193
<u>Zhuravov, S. M., and A. I. Slutskaya.</u> A Study of Submicroscopic Defects in Metals Through the Scattering of X Rays at Small Angles	197
<u>Polotskiy, S. G., and T. Ya. Benlyava.</u> Effect of Heat Treatment on the Elastic Properties and Internal Friction of Nickel-Based Alloys	200
<u>Bel'dyukovskiy, I. A., G. V. Kurdyumov, and L. G. Dzhambirov.</u> Ageing of Some Heat-Resistant Alloys of Iron-Nickel-Chromium Base	208

Card 7/12

ARBUZOV, M.P.; BIL'DEYUKEVICH, I.A.; KHULIKOVSKAYA, M.P.

The hardening and softening of nickel-base alloys. Izv.vys.
ucheb.zav.; fis. no.3:78-83 '59. (MIRA 12:10)

1. Kiyevskiy institut grazhdanskogo vozdušnogo flota i Institut
metallofiziki AN USSR.
(Nickel alloys)

SHADLOVSKIY, Aleksandr Aleksandrovich. Prinimali uchastiyе:
VERNIDUB, I.I., kand. tekhn. nauk; SHAKHIDZHANOV, Ye.S.,
kand. tekhn. nauk; SMETANA A.V., inzh.; IVANOVA, N.N.,
kand. tekhn. nauk, retsenzent; BIL'DYUKEVICH, N.A., kand.
tekhn. nauk, retsenzent; SUVOROVA, I.A., red.

[Principles of pyrotechnics] Osnovy pirotekhniki. Izd.3.,
perer. i dop. Moskva, Mashinostroyeniye, 1964. 338 p.
(MIRA 17:12)

BILE, M. (Germanskaya Demokraticheskaya Respublika)

New paints for ship bottoms developed in the German Democratic Republic.
Mor. flot. 24 no.8:43-44 Ag '64. (MIRA 18:9)

1. Glavnyy inzh. ob'yedineniya narodnykh predpriyatiy "Lake und
Farben".

VANGHELOVICI, M.; LUPSA, I.; BILEGAN, C.; MUSTE, A.

Syntheses in the field of oxazolones. V. Condensation of oxazolones with p-aminobenzenesulfonamide, ethanolamine and anesthesine. Studii chim Timisoara 6 no.3/4:103-110 J1-D '59. (EEAI 10:4)

1. Comitetul de redactie, Studii si cercetari stiinte chimice,
redactor responsabil adjunct (for Vanghelovici)
(Oxazolones) (Metanilamide) (Aminoethanol)
(Benzocaine)

VANGHELOVICI, M., prof.; LUPSA, I.; BILEGAN, C.; MUSTE, A.

Syntheses in the field of oxazolones. VI. Condensation of p-amino-hippuric acid with aromatic aldehydes in the presence of acetic anhydride. Studii chim Timisoara 7 no.3/4:295-302 J1-D '60.
(EEAI 10:9/10)

1. Comitetul de redactie, "Studii si cercetari stiinte tenice," Timisoara, redactor responsabil adj. (for Vanghelovici).

(Oxazolinone) (Aminohippuric acid) (Aldehydes)
(Aromatic compounds) (Acetic anhydride)

VANGHELOVICE, M., prof; LUPSA, I.; BILEGAN, C. i MUSTE, A.

Synthesis in the domain of oxazolones. IX. Action of cyclohexylamine and ethylenedamine on oxazolones. Studii chim Timisoaga 8 no. 3/4:249-254 J1-D '61.

1. Membru al Comitetului de redactie si redactor responsabil adjunct, "Studii si cercetari, Stiinte chimice" (Timisoara) (for Vanghelovici)

RUMANIA

VANGHELOVICI, M., Professor; LUPSA, I.; BILEGAN, C.; VANGHELOVICI, V.;
HAFFNER, N.; MUSTE, A.

Chemistry Laboratory, Institute of Medicine in Timisoara
(Laboratorul de chimie, Inst. Med. Timisoara) - (for all)

Timisoara, Timisoara Medicala, No 1, Jan-Jun 63, pp 67-78

"Applications of the Complexometric Method in Performing Clinical
Laboratory Analyses." (Report presented to the Meeting of
the Society of Medical Science, Physiology Section, on 24
October 1962.)

6

BILEK, D., inz.

Siliceous earth. Stavivo 41 no.11; Supplement: Staviva a
stavby: insert N°63.

A-3

Vitamin D₃ (cholecalciferol) is synthesized in animals.
 It is synthesized in the liver of fish, e.g., cod, and in
 plants, e.g., mushrooms. (See, H. 207) — Vitamin D₃
 promotes calcification, but growth only to a small
 extent, while calciosis in large doses markedly
 accelerates growth.
A. A. Z.

420.514 METALLURGICAL LITERATURE CLASSIFICATION

FROM DIVISION

SERIAL NO.	AUTHOR	TITLE	SUBJECT

A-4

BC

Possibility of increasing the milk secretion of cows by feeding with irradiated feeding stuffs. F. BLUM and L. MIVINS (Zentral. Archiv., 1931, 22, 248-254; Biol. Zentr., 1930, A, 3, 487).—Addition of irradiated yeast to the winter rations of cows increased the secretion of milk without affecting its fat content. The somewhat better results obtained with irradiated mixed oats are attributed to the activation of the phytoester therein. The effect persisted 5 days after feeding. Irradiated foods had no beneficial action on cows receiving ample supplies of fresh green fodder. A. G. P.

ASR. 51A METALLURGICAL LITERATURE CLASSIFICATION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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LIST AND ZONE ORDERS

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11E

Growth and calcification catalysts in animals. F. Bilik. *Viznik Chokolov. Akad. Zemedl'ski S.* 863-7(1932).—Vitamin D promotes calcification, but promotes growth only to a small extent, while carotene in large doses markedly accelerates growth. B. C. A.

COMMON ELEMENTS

COMMON VARIETIES INDEX

ASM-ISA METALLURGICAL LITERATURE CLASSIFICATION

LIST AND LETTERS

LIST AND LETTERS

LIST AND LETTERS

BILK, F.; DOLEZAL, V.; ROSA, L.

Perirenal cholecystography with sombrabil SPOVA. Cas.lek.cesk.
89 no.18:511-514 5 My '50. (CML 19:3)

1. Of the Roentgenological Department of the Polyclinic,
Charles University.

BILEK, F.

Contrast media in cholecystography. Gastroenterologia bohema 4
no.2-4:206-211 Oct 50. (CML 20:5)

1. Of the Roentgenological Department of the Polyclinic of
Charles University, Prague.

BILEK, F.

Cholecystography using repeated full doses of the dye (intensified
Cholecystography). Acta radiol. cancer. bohém. 5 no.1-2:15-23
Apr 1951. (CJML 20:9)

1. Of the Roentgenological Department (Head--Frantisek Bilek, M.D.)
of the Polyclinic of Charles University, Prague.

BILEK, F.

BILEK, F. SVAB, V., AND M. SVOBODA

"New Directions in X-ray Diagnosis of Diseases of the Digestive Organs."
(Radiological Clinic of Charles University, Prague).

SO: Sborn. Pathofysiol., Prague, Vol. 7 (1953), No. 1-4, pp 206-216.

BILEK, F.

"Observations on the Concentration Capability of the Gall Bladder in
Cholecystography."
(Radiation Clinic of Charles University in Prague)

SO: Sborn. pathofysiol., Prague, Vol. 7 (1953), No. 1-4, pp. 216-222.

BILEK, FRANTISEK

BILEK, Frantisek, Dr.; SKRHA, Frantisek, Dr.

Unusual picture of thorotrast deposition in the liver, spleen and lymph nodes after hepatosplenography performed 22 years earlier. Cas. lek. cesk. 93 no.28:770-773. 9 July 54.

1. Z roentgenologickeho odd. (Predn. Dr. F.Bilek) a z interniho odd. (Predn. doc. Dr. J.Libansky) polikliniky Karlovy university v Praze.

(LIVER, diseases

*syphilis, congen. thorotrast deposition 22 years after hepatosplenography)

(CONTRAST MEDIA

*thorotrast deposition in liver, spleen & lymph nodes 22 years after hepatosplenography in congen. syphilis)

(SYPHILIS

*liver, congen., hepatosplenography, thorotrast deposition after 22 years)

BILEK, Frantisek, MUDr (Praha XII, Husova tr.); SVOBODA, Milan, MUDr
(Ces. Budejovice, nemocnice)

Pharmacoradiography of the stomach and duodenum. Lek. listy, Brno
9 no.20:461-466 15 Oct 54.

1. Z roentgenoveho oddeleni OUMK v Praze XII (Dr F.Bilek) a z
ustredniho roentgenoveho oddeleni KUMK, nemocnice v Ceskych
Budejovicich (prednosta: Dr M.Svoboda)
(STOMACH, radiography,)
(DUODENUM, radiography)

BILEK, Frantisek, Dr.

Cholecystography in infectious hepatitis and post-hepatitis syndrome. Sborn. pathofysiol. trav. vyz. 8 no.4:185-192 Dec 54.

1. Z rtg odd. FZS v Praze a z radiologicke kliniky Karlovy university v Praze. Prednosta prof. dr V.Svab.

(HEPATITIS, INFECTIOUS, physiology,

cholecystography in hepatitis & posthepatitis synd.)

(CHOLELCYSTOGRAPHY, in various diseases,

hepatitis, infect., & post-hepatitis synd.)

BILK, Fratisek, Dr.

New contrast media for internal x-ray examinations of the hepatobiliary tract (non surgical cholangiography). Vnitr.lek., Brno 1 no.8:596-599 Aug '55.

1. Z Rtg.oddeleni polikliniky UNZ v Praze XIII, Rtg.odd polikliniky OUNZ Praha XIII, Kryska 6.

(BILIARY TRACT, RADIOGRAPHY

cholangiography, intrahepatic, with sodium iodipamide)

(CONTRAST MEDIA,

sodium iodipamide in intrahepatic cholangiography)

BILKE, Frantisek, Dr; BILKOVA, Julie

Roentgenologic investigation of the bile ducts and of the gallbladder with biligriffin. Cesk.rentg. 9 no.3:95-100 Aug 55.

1. Rtd strediako OUNZ v Praze XIII
(CONTRAST MEDIA,
sodium iodopamide in biliary tract x-ray)
(BILIARY TRACT, radiography,
contrast medium sodium iodopamide)

SVAB, Vaclav, Prof. Dr.; BILEK, Frantisek, Dr.

Contribution of Czechoslovakian roentgenology in diagnosis of gastrointestinal diseases during 1945-54. Cesk. gastroenter. 9 no.4:241-250 Dec 55.

1. Z radiologicke kliniky Karlovy university v Praze, prednosta prof. Dr. V. Svab, a z rg oddeleni polikliniky OUNZ v Praze XIII.
(GASTROINTESTINAL DISEASES, diagnosis,
x-ray, review)
(ROENTGENOGRAPHY,
in gastroenterol., review)

BILEK, Frantisek, Dr.

Diagnostic significance of a simple radiogram in examination of the gallbladder and the biliary tract. Cas. lek. cesk. 94 no.24: 639-642 10 June 55.

1. Roentgenove oddeleni OUNZ Praha XIII.
(GALLBLADDER, diseases
diag., x-ray, value of simple radiogram)
(BILIARY TRACT, diseases
diag. x-ray, value of simple radiogram)

VAHALA, Zdenek, MUDr.; BILEK, Frantisek, MUDr.; HAJEMNIK, Jan, MUDr.

Postcholecystectomy syndrome; studies on etiology, diagnosis,
clinical aspects and treatment. Sborn. lek. 58 no. 6: 125-148
June 56

1. Z chirurgické kliniky nemocnice v Praze i Pod Petrinem,
Prednosta primar MUDr. Zdenek Vahala-Z rtg oddeleni polikliniky
UNZ 13

(GALLBLADDER, surg.
cholecystectomy, postop. compl. (Gz))

BILEK, FRANTISEK

Chov skotu a jeho celna plemena. Praha, Statni pedagogicke nakladatelstvi,
1954. 115 p. (Ucebni texty vysokych skol) /Cattle breeding and the most
important breeds of cattle; a university textbook/

SOURCE: East European Accessions List, (EVAL) Library of Congress
Vol. 5, No. 8, August 1956

MAKSIMOVIC, B., BILEK, F.

Porcelain gallbladder. Rozhl. chir. 35 no.4:221-229
Apr 56.

1. Z chirurgické kliniky hygienické fakulty Karlovy university
v Praze XII, přednosta prof. Dr. E. Polak, z obvodního rtg
střediska OUMZ v Praze XIII, vedoucí lékař Dr. F. Bilek.
(GALLBLADDER, dis.
calcification, x-ray diag. & surg. (Cs))

EXCERPTA MEDICA Sec 6 Vol 14/6 Internal Med. June 60

3706. RESULTS OF INTRAVENOUS CHOLANGIOGRAPHY IN PATIENTS SUFFERING FROM CHRONIC RECURRING PANCREATITIS - Výsledky nitrozilní cholangiografie u nemocných vleklou recidivující pankreatitidou - Břílek F. and Herfort K. Odd. Thomayerovy Nemocnice, Praha; Int. Odd. Poliklin. Univ., Karlovy - ACTA UNIV. CAROLINAE 1958, 5 (611-621) Tables 4 illus. 10

In patients suffering from chronic recurring pancreatitis the biliary ducts are often affected. Necrosis and reparative changes of the pancreatic tissue can be the source of functional and morphological changes of the common duct with secondary cholestasis and its consequences. The authors examined the biliary ducts by means of i.v. cholangiography in 31 patients (20 males, 11 females) with chronic recurring pancreatitis. This condition was accompanied by cholelithiasis in about one half of the cases. The optimum of contrast filling of the hepatocholedochus and of the gallbladder was earlier in the cases with cholelithiasis. In 2/3 of patients with pancreatitis and simultaneous cholelithiasis dilatation of the hepatocholedochus was found, mostly of the Y-type (where the pancreatic part of the common duct is narrower in comparison to the dilated suprapancreatic part). On the other hand, narrowing of the hepatocholedochus was ascertained in 2/3 of patients with chronic pancreatitis without cholelithiasis - the consequence either of spastic and inflammatory changes of the biliary duct secondary to pancreatitis or, in later stages, of sclerotic or retractive changes. According to the experience of the authors both the above-mentioned types of hepatocholedochus are, to a considerable extent, characteristic of the 2 groups of patients with chronic recurring pancreatitis. Parenchymatous calcifications were a relatively rare finding (9.6%) in the patients with chronic pancreatitis. On the other hand, in 25% of the cases who had undergone a laparotomy, ossification in the laparotomy scar was found.

Bláha - Prague (XIV, 6, 9)

BILEK, Frantisek (Praha-Krc, Budaiovicka 800.)

Excretional cholangiography, Cesk. rentg. 12 no.2:68-76 June 58.

1. Ustredni rentgenove oddeleni Thomayerovy nemocnice v Praze-Krci,
primar Dr. Frantisek Bilek.

(CHOLANGIOGRAPHY,
excretional technic (Cz))

BILEK, Frantisek

Beginning of Czechoslovakian roentgenology (1897-1900); commemoration
of the 60th anniversary of Czechoslovakian works in roentgenology.
Cas. lek. cesk. 97 no.13:409-412 28 Mar 58

1. Centralni rtg oddeleni Thomayerovy nemocnice v Praze-Krci prednosta
prim. Dr. Frantisek Bilek.
(ROENTGENOLOGY, hist.
in Czech. (Cs))

DOSTAL, Rudolf, akademik; BILEK, Frantisek, akademik; STEHLIK, Vaclav, akademik

Discussion of Darwinism by members of the Czechoslovak Academy of Agricultural Sciences. Vestnik CSAZV 7 no.1/2:68-77 '60. (EEAI 9:7)

1. Chlen Ceskoslovenske akademie zemedelskych ved
(Evolution)

BILEK, Frantisek

Possibilities and limitations of roentgen diagnosis of gastroduodenal ulcer in children. Cesk. pediat. 16 no.9:777-784 S '61.

1. Centralni rentgenove oddeleni Thomayerovy oblastni nemocnice v Praze-Krci, vedouci prim. dr. F. Bilek.

(PEPTIC ULCER radiography)

BILEK, Frantisek

Notes on roentgen diagnosis of chronic gastritis. Cas. lek. cesk.
101 no.29/30:899-904 20 J1 '62.

1. Ustredni rentgenologicke oddeleni Thomayerovy nemocnice v Praze-
Krci, prednosta MUDr. Fr. Bilek.

(GASTRITIS radiography)

Z/038/63/000/004/005/005
D406/D301

AUTHORS: Fukátko, Tomáš and Bílek, František

TITLE: Pulse generator with statistical and linear repetition rate

PERIODICAL: Jaderná energie, no. 4, 1963, 128-130

TEXT: The Nuclear Research Institute developed and tested a pulse generator with periodic and statistical recurrence frequency which can be used for testing and calibrating pulse integrators, reducers, etc. This pulse generator consists of (1) the statistical pulse source, a TESLA 1 NA 31 noise diode, a wide-band amplifier and an amplitude discriminator which can also be used as a free-running multivibrator, and has a pulse rate, continuously adjustable in several ranges from 8 to 5,000 pulses/min; (2) the periodic pulse source with a pulse rate continuously adjustable in six ranges from a few to 200,000 pulses/min; (3) the pulse shaping network, a multivibrator, amplifier, and mechanical counter; (4) the electrical supply system, an electronically regulated 280 V source and a reference

Card 1/2

Pulse generator ...

Z/038/63/000/004/005/005
D406/D301

voltage, derived from a 14 TA glow-discharge-tube regulator. Since this pulse generator is able to imitate all output pulses of radiation detectors, it can be used in nuclear engineering wherever radiation detectors and pertinent active emitters are used for testing and calibrating pulse instruments. There are 5 figures.

ASSOCIATION: Ústav jaderného výzkumu ČSAV (Nuclear Research Institute, Czechoslovak Academy of Sciences)

Card 2/2

CZECHOSLOVAKIA

BLIEK, Fr., MD, director of the Central X-ray Department (Central-
ní rtg-oddelení), Thomayer Hospital in Prague-Krc.

"Calcium Bile."

Prague, Casopis Lekarů Ceských, Vol C11, No 38, 20 September 63,
pp 1043-1045.

Abstract [Author's English summary, modified]: The article deals with various forms of calcium bile in the X-ray picture. Besides the classical picture of calcium gall-bladder bile with cholelithiasis and cysticus blockade attention is drawn to the much more frequent incomplete pictures of a calcium bile in the gall passages, precipitation at the gall-bladder bottom, and differential diagnostic possibilities. Included is a report on a ten-year observation of a gall-bladder calcium bile with cholelithiasis which emptied after an expelling-oil cure. Nineteen references, including 1 Polish and 1 Russian.

1/1

1

BILEK, Franciszek

Henryk Tarnawski, obituary. Przegl elektrotech 40 no.3:149-150
Mr'64.

CERNAK, J.; BILEK, F.

Importance of skiagraphic examination of the hand and wrist in young boxers. Cas.lek. cesk. 104 no.6:151-154 12 F'65.

1. Vyzkumny ustav telovychovny v Praze (reditel: doc. dr. E. Eiselt) a Centralni rtg oddeleni Thomayerovy nemocnice v Praze Krci (vedouci: MUDr. F. Bilek).

KLOUCEK, Z., BILEK, F.

A case of recurrent jaundice caused by an anomaly of the biliary tract. Congenital cystic dilatation of the common bile duct. Rozhl. chir. 44 no.12:806-810 D '65.

1. Chirurgicalké oddělení nemocnice v Klatce Hore (vedoucí M.Dr. Z. Klouček).

BILEK, Ivo; SOUHAL, Josef

Diecasting machine. Slevarenstvi 12 no.8:318-320 Ag '64

1. Moravskoslezske elektrotechnicke zavody, National Enterprise
Postrelmov, Branch Enterprise Zabreh na Morave.

BILEK, Jan.

BILEK, Jan.

Signalni technika [Vyd. 1] Praha, Statni pedagogicke nakl., 1953. (Ucebni texty vysokych skol) [Signal Engineering. Vol. 1 Basic Theories of Railroad Signal Blocks.

SO: Monthly List of East European Accessions, Library of Congress, Vol. 3, No. 4, April 1954. Unclassified.

BILEK, J.

BILEK, J. Piece work in the repair shops of machine-tractor stations. p. 409

Vol. 6, No. 21, Nov. 1956
MERCHANISACE ZEMEDLSTVI
AGRICULTURE
Praha, Czechoslovakia

So: East European Accessions, Vol. 6, No. 3, March 1957

BILEK, J.

Tasks of a repair worker in the tractor brigade and some organizational provisions during the harvest period. p. 356. (MECHANISACE ZEMEDLSTVI, Vol. 7, No. 15, Aug 1957, Praha, Czechoslovakia)

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

BILEK, J.

"How to organise repairs of machinery in machine-tractor stations."

P. 18. (Ministerstvo zemedelstvi --Praha, Czechoslovakia.) Vol. 8, no. 1, Jan. 1958

SO: Monthly Index of East European Accession (EEAI) LC, Vol. 7, No. 5, May 1958

KOLOUSEK, Jaroslav; KUTACEK, Milan; BILEK, Jiri

Paper chromatography of galegine sulfates. Cesk. farm.
4 no.4:188-190 May 55.

1. Z agrobiocemické laboratorie Vysoké zemědělské v Praze.
(ALKALOIDS
galegine sulfate, paper chromatography)
(CHROMATOGRAPHY
of galegine sulfate)

BILEK, JIRI

10(0) 26(1)

FRASE I ROZE EXPLOZIVNE

CZST/2369

Ceskoslovenska Akademie Ved. Sbornik technicku

Prvedeni a lopatkovych strojich (Flow Through Turbomachinery) Praha, Mala-
salirf Ceskoslovenska Akademie Ved, 1968. 83 p. (Series I: Sbornik
Seznam pro vyuknu strojich) Krasna alip linar. 1,250 copies printed.

Redaktori M.: Sta Aris, Engineer, Doctor, Corresponding Member of the Czechoslo-
lovak Academy of Sciences; Msp. M.: Ladislav Kudlins; Tech. Ed.: Frantisek
Emilsky.

PARPOSE: This collection of papers is intended for engineers and scientific
workers in the field of turbomachinery.

COVERAGE: The collection covers turbomachinery theory, investigations of the
flow of working substance in basic elements of turbomachines, phenomena ac-
companying flow and variable with time, and investigations of various problems
on experimental machines and models. A Russian and an English summary follows
each paper. No personalites are mentioned. There are 159 references: 73
Czech, 77 English, 30 German, 20 Russian, and 1 Dutch.

IV. RESEARCH WITH MODEL MACHINES

- 10. Kovana-Jaboky, Engineer, VUT. An Approximate Method of Flow
Analysis in Air Turbomachine Elements With An Example Applied to
Axial Flow 277
- 11. Jizak, Kirovsky, Engineer, and Polta, Mclav, Engineer, VUT. Ex-
perimental Axial Compressor
Measurements: Draft, Josef, Engineer, VZL. Experimental Four-
stage Axial Compressor for High Circumference Speeds 289
- 12. Bilek, Jiri, Josef Dabek, Engineer, and Frantisek Vozny, Engineer,
VUT. Aerodynamic Investigation of Blade Efficiency in Radial Tur-
bine
Gant, Peter, Engineer, VUT. Supplements to the Preceding
Article 305
- 13. Kamenoni: Koumi, Milan, Engineer, FZEM.
Design of the Last Stage (Blading) of Condensing Steam Turbines 310
- Polym, Frantisek, Engineer, Doctor, FZEM. Dynamic Tests of
Steam Turbine Blade Sections 339
- Klasek, Dalibor, Engineer, VUT, FZEM. Dynamic Tests of
Steam Turbines at VZL, FZEM 340
- 15. Vitvar, Milos, Engineer, CID Mascko.
Investigation of the Two-blade Kaplan (Propeller) Turbine
351
- 14. Boticar, Bobanil, Engineer, CID Mascko.
Measurement of the Effect of Basic Hydraulic Engineering
Parameters of Hydraulic Clutches on Performance Character-
istics 355

V. MEASURING INSTRUMENTS

- 15. Petr, Zdenek, Engineer, UVS CSAV.
Rotational Probes for Three-dimensional Investigation of Flow 360
- 16. Tomasek, Ladislav, Engineer, UVS CSAV. Electric Measurement of
Pressure 362
- 17. Marjola, P., Engineer, UVS CSAV. Torsional Dynamometer 343

AVAILABLE: Library of Congress

Card 7/7

00/mi
11-59-59

CZECHOSLOVAKIA / Farm Animals. Cattle.

Q

Abs Jour: Ref Zhur-Biol., No 9, 1958, 40423.

Author : Bilek Jan, Dolezalek Jiri.

Inst : Not given.

Title : The Study of Thermic Influences on the Activity
of the Mammary Gland.

Orig Pub: Sbor. Ceskosl. akad. zemed. ved., 1954, A2 7,
No 5, 423-450.

Abstract: No abstract.

Card 1/1

15

BILEK, J.; JANOVSKY, M.

Radiographic study of the function of mammary gland and factors effecting the ejective reflex. *Physiol. bohem.* 5:1-3 Suppl. 1956.

1. Institut de recherche l'elevage de l'A.S.A.T., laboratoire de physiologie, et Institut de la protection de la mere et de l'enfant.

(BREAST, physiol.

lactation reflex, x-ray (Fr))

(LACTATION, physiology,

milk ejection reflex, x-ray (Fr))

(REFLEX,

lactation reflex, x-ray (Fr))

"APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205310014-5

APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205310014-5"

BÍLEK, J.; JANOVSKY, M.

Effect of adrenaline on oxytocin-induced milk ejection. *Cesk. fysiол.* 7
no.5:432 Sept 58.

1. Ústav živočišné fyziologie CSAZV, laborator fyziologie a Ústav pro péči o
matku a dítě, Praha.

(LACTATION, eff. of drugs on,
epinephrine on oxytocin-induced milk ejection (Cz))

(EPINEPHRIN, effects,
on milk ejection induced by oxytocin (Cz))

(OXYTOCIN, eff.
milk ejection, eff. of epinephrine on response (Cz))

BILEK, J.; JANOWSKY, M.

Effect of adrenalin on lactation following oxytocin administration.
Acta physiol. polon. 10 no.2:251 Mar-Apr 59.

1. Z Pracowni Fizjologicznej Zakladu Przetworow Zwierzecych C.S.A.Z.V.
Z Zakladu Opieki nad Matki i Dzieckiem w Pradze.

(EPINEPHRINE, eff.

on lactation responses to oxytocin (Pol))

(LACTATION, eff. of drugs,

epinephrine, on responses to oxytocin (Pol))

(OXYTOCIN, effects,

on lactation, eff. of epinephrine on reaction (Pol))

BILEK, J., Dr.; JANCARIK, A., Dr.; KAFKA, K., Inz.; LANDAU, L., Dr.

Research on domestic animal physiology. Vestnik CSAZV 7 no.4:232-235
'60. (EEAI 9:9)

(Czechoslovakia--Domestic animals)

BILEK, J.; BODA, K.; HOLUB, A.

State and prospects of the development of the research
on the physiology of farm animals in Czechoslovakia.
Vest CSAV 72 no. 4: 443-450 '63.

BILEK, Jan

Remarks on the method of teaching the physiology of domestic animals at higher schools of agriculture. Vestnik CSAV 73 no.2:332-336 '64.

CZECHOSLOVAKIA

BILEK, J.; LIS, M.; Laboratory of Physiology and Genetics of Animals, Czechoslovak Academy of Sciences (Laborator Fysiologie a Genetiky Zivocichu CSAV), Uhrinoves.

"To the Metabolism of Oxytocin in Mammary Gland."

Prague, Ceskoslovenska Fysiologie, Vol 15, No 5, Sep 66, p 367

Abstract: Oxytocin which has a varied physiological influence disappears quickly from a living organism, even when high amounts are administered. Oxytocin is inactivated mainly in kidneys and in the liver. The mammary gland during lactation also shows a deactivation potency. Synthetic oxytocin was administered to goats during lactation and milk was tested for its presence. It was not possible to prove its presence in the milk. No references. Submitted at 3 Days of Physiology of Domestic Animals at Liblice, 8 Dec 65.

1/1

- 100 -

CZECHOSLOVAKIA

HYNEK, B.; BILEK, J.; LIS, M.; Czechoslovak Academy of Sciences, Laboratory of Physiology and Genetics of Animals (CSAV, Laborator Fysiologie a Genetiky Zivocichu), Uhrineves.

"A Method of Implantation of Permanent Electrodes in the Hypophyseal Gland of Cattle and the Influence of Electrical Stimulation on the Ejection of Milk."

Prague, Ceskoslovenska Fysiologie, Vol 15, No 5, Sep 66, p 378

Abstract: A method of surgical access to the hypophyseal gland of cattle was developed. The location of electrodes in the gland was used to introduce rectangular impulses that caused ejection of milk. In many experiments an increase in the content of fat in the milk was recorded. No references. Submitted at 3 Days of Physiology of Domestic Animals at Liblice, 8 Dec 65.

FODDANA, B.; HOIAN, V.; BILEK, J.; VOLFOVA, F.

The effect of compression treatment on pain in leg ulcers.
Cesk. dermat. 40 no.5:322-325 0 '65.

1. I. dermatovenerologicka klinika fakulty vseobecneho
lekarstvi Karlovy University v Praze (prednosta prof. dr.
J. Konopik, DrSc.).

"APPROVED FOR RELEASE: 06/08/2000

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APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205310014-5"

BILEK, J.

On a construction of an involution of de Jonquiere of the fifth degree
Casopis Pest. Mat. 76, 141-144 (1951). (Czech.

SO: Mathematical Review, Vol. XIV, no. 4, April 53

BILEK, JAN.

Matematika. (Vyd. 2.) Praha, Statni pedagogicke nakl. (Ucebni texty vysokych skol) (Mathematics; a textbook. 2d ed. illus.)

Vol. 1, pt. 1. 1952.

Vol. 1, pt. 2. 1953. 226 p.

Vol. 1, pt. 3. 1953.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 6 June 1956, Uncl.

✓ Bilek, Jan. The algebraic correspondences. Casopis
Pěst. Mat. 83 (1958), 33-40. (Czech. Russian and
English summaries) Z

The author uses the terminology of A. Weil to define
an algebraic correspondence between two varieties V and
 W , defined over an arbitrary field, as a subvariety of
 $V \times W$. The principle of counting constants is established
and used to show that the intersection of V with a primal
not containing V is a bunch of varieties each with di-
mension $r-1$.

D. Kirby (London)

BILEK, Jan

"Evaluation of measurement and calculation methods in
chemical engineering" by [inz.] Vladimir Pechoc. Reviewed by
Jan Bilek. Pokroky mat fyz astr 8 no.6:360-361 '63.

L 00262-66 EPA/EFF(n)-2/EWP(*)/ETG(m)/T-2/EJP(w)/EWP(f)/EWP(v) EM/AN
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B

AUTHOR: Bilek, J. (Engineer)

TITLE: Solution of temperature fields of gas turbine parts by the electrical analogy method

SOURCE: Letnany. Vyzkumny a zkusebni letecky ustav. Zpravodaj vzlu, no, 1, 1965, 13-18

TOPIC TAGS: temperature distribution, gas turbine, turbine blade

ABSTRACT: In order to refine the computation of parts of an internal combustion turbine which are subjected to high loads, it is necessary to know the temperature field. To this end, a device was constructed at the SVUTT for solving stationary and nonstationary temperature fields. A solution of stationary temperature fields for the moving blade shows a relatively slight influence of the heat transfer coefficient on the temperature field and on the flow of temperature through the blade. On the contrary, the influence of temperature in the root section of the temperature distribution along the blade length and along the surrounding radiating bodies is considerable, and is essential from the standpoint of service life. The nonstationary temperature field of the rotor disk of an internal combustion engine is substantially affected by the cooling of the disk's faces. The temperature gradients on the outer perimeter are very steep at first, and may reach as much as four times the values

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corresponding to the steady run. Orig. art. has: 9 figures and 19 formulas.

ASSOCIATION: None

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SUB CODE: TD, PR

NO REF SOV: 000

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KL
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BILEK, K.

"The examination of faults in spinning; improvement of technology and control on the basis of lessons learned from these faults" p. 146, (MAGYAR TEXTILTECHNIKA, No. 5, May 1953, Budapest, Hungary)

SO: Monthly List of East European Accessions, L.C., Vol. 2, No. 11, Nov. 1953, Uncl.