

HAMORI, J.

Electron microscope studies on neuromuscular junctions of end-plate type in insects. Acta biol Hung 14 no.3:231-245 '63.

1. Department of Anatomy, Medical University, Pecs (Head: J. Szentagothai).

*

HAMPL, Jan, inž.

Adastra system. Jemna mech opt 8 no.11:331-337 N'63.

1. Ustav pro vyzkum optiky a jemne mechaniky, Prerov.

BENKO, V., doc., inz., CSc.; DABIL, J., prof., dr. inz.; VINEK, L., inz.

Contribution to the study of sorption and phosphorus
freeing in gray-brown podzolic soil and podzolized soil.
Rost výroba 9 no.11:1209-1216 N '63.

1. Vysoka skola polnohospodarska, Nitra, fakulta agronomicka,
katedra agrochemie.

CZECHOSLOVAKIA/Chemical Technology. Chemical Products and Their Applications. Carbohydrates and Their Processing.

H

Abs Jour: Ref Zhur-Khin., No 8, 1959, 29180.

Author : Hampel, J., Sboboda, A., and Rasper, V.
Inst :

Title : On the Possibility of the Utilization of Electric Plates in the Determination of Invert Sugar by Reduction Methods.

Orig Pub: Listy Cukrovarn, 74, No 7, 163 (1958) (in Czech)

Abstract: The authors have made a comparison study of various methods for the determination of reducing substances (RS) in mixtures of pure sugars and in sugar industry products (raw sugar, C sugar, molasses). Among the methods tested were those of Ofner, Shorl, and Lein-Eynon [transliterated]. A gas burner and an electric

Card : 1/2

258

HAMPL, J.

Vladimir Pokorny's Pekarska Mikrobiologie a Biochemie (Microbiology and Biochemistry in the Baking Industry); a book review. p.276.
(Prumysl Potravin, Vol. 8, No. 5, 1957, Praha, Czechoslovakia)

SC: Monthly List of East European Accessions (EEAL) IC. Vol. 6, No. 9, Sept. 1957. Incl.

HAMPL J

CZECHOSLOVAKIA/Farm Animals. Domestic Fowls.

Q

Abs Jour: Ref Zhur-Biol., No 4, 1958, 16828.

Author : Orel V., Tláškal J., HAMPL J., HORSÁK J.
Inst :
Title : Meat-Type Breeds of Chicken
(Myasnyye porody kur)

Orig Pub: Drůbežnictví, 1957, 5, No 6, 89-90.

Abstract: No abstract.

Card : 1/1

CZECHOSLOVAKIA/Cultivated Plants - Fruits, Berries.

11-3

Abs Jour : Ref Zhur - Biol., No 9, 1956, 2321.

Author : Hampel, J.

Inst : Czechoslovak Academy of Agricultural Science

Title : Report on the Problem of Vine Nutrition.

Orig Pub : Slov. Ceskosl. akad. zemedl. ved., Nada-nostl vyuka,
1956, 25, No 4, 318-323.

Abstract : H: abstract.

Card 1/1

1961, 5.

Captain Vaynski's Report on the Situation in the Universities
and Schools of Leningrad; in: Trudy, Seriya "Sotsiologiya",
p. 37. ISSUED, 1961. (Ministerstvo Vnutrennykh Del
Sov. S. S. R., 1961.)

Source: East European Accessions List, (Sov. Union), Communist
Vol. 5, no. 12, December 1961.

HAMEL, J.

"Thermodynamic Considerations on the Ways in Which Water is Bound in Soils." p. 69
(CHEMICKE ZVESTI, Vol. 5, No. 1/2, Jan./Feb. 1951) Bratislava, Czechoslovakia

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

CA

The influence of silicon dioxide on the accessibility of phosphoric acid in soil. Jan Haapl. *Chem. Listy* 38, 125-7 (1944). SiO_2 is not directly assimilated by plants. It adsorbs colloids and K salts in soil and thus makes a portion of phosphoric acid in soil available to plants.

Milos Hudlicky

CA

17

Hygroscopic properties of some blended fertilizers
Jan Humpal, *Chem. Listy* 38, 458 (1943). Absorption
of H₂O at a relative humidity of 75%, 85.2, and 97%
was measured with mixed fertilizers: NH₄NO₃, CaCO₃,
I, NH₄NO₃, phosphate rock (Nitrofos), II, and with
Ca₃N₂, III. In case II, after 15 days' exposure to
the above humidities, was: I, 14.8, 32.0, 71.3%; II,
16.2, 64.6, 92.0%; III, 17.0, 39.0, 81.8, 111, 119%.
Milo, Hradky

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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WATER SOLUBLE

IRON SULFIDES

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HAUPT-GRUPPEN

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

15

The low citric acid solubility of Thomas meal Jan Hanpl and Boh. Sevlacek. *Stavnik (Czechoslov. Akad. Zemedelsk 11, 574-9 (in German 679) (1938).* The low citric acid soly. of some Thomas meals is attributed to the low content of silicic acid. The low content of citric acid sol. P is apparently due to the addn. of apatite to the converter to increase the P content of the crude iron Citric acid soly. of Thomas meals that contain apatite is not a criterion of the availability of their P₂O₅. I. Kufner

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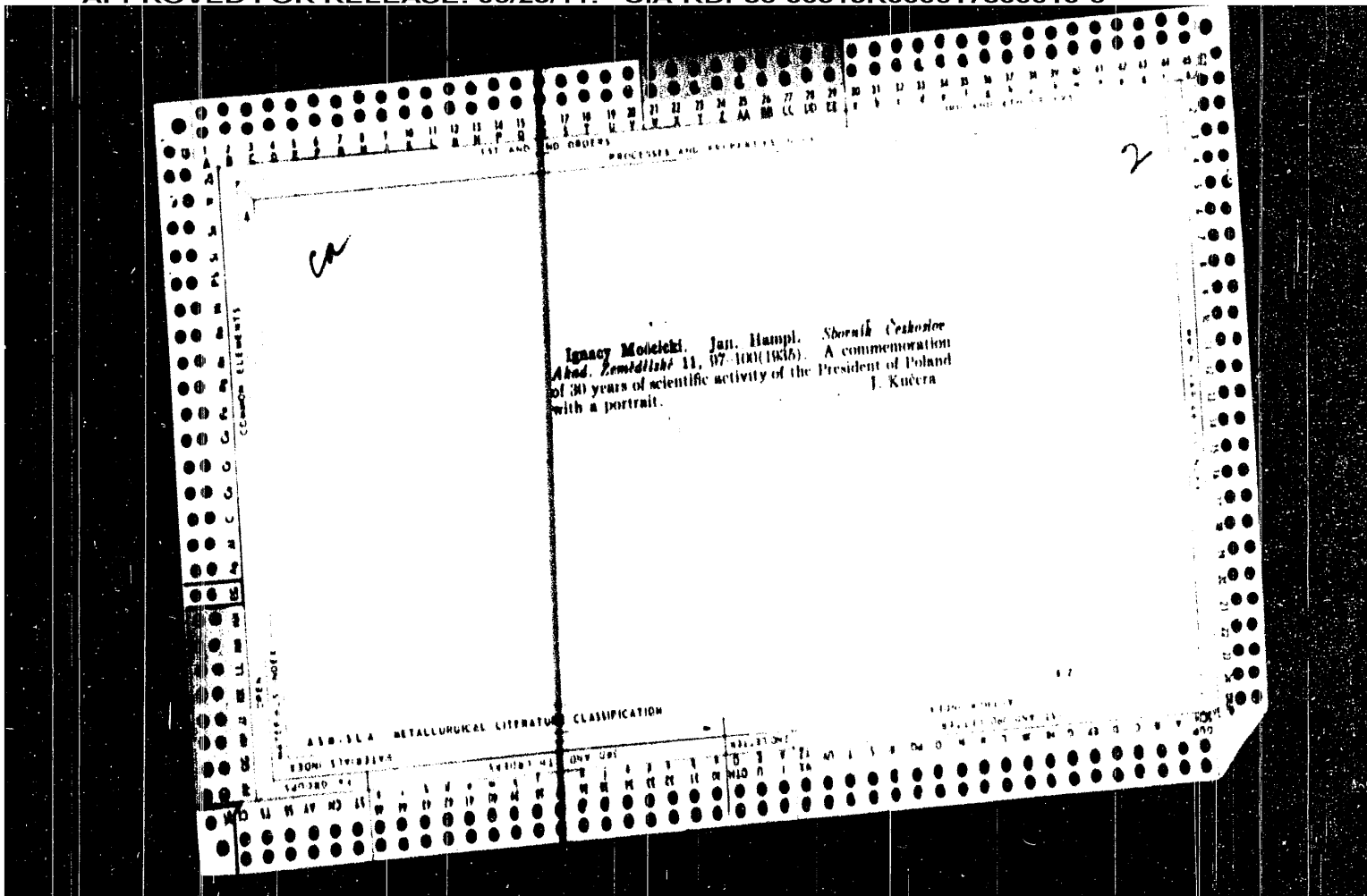
15

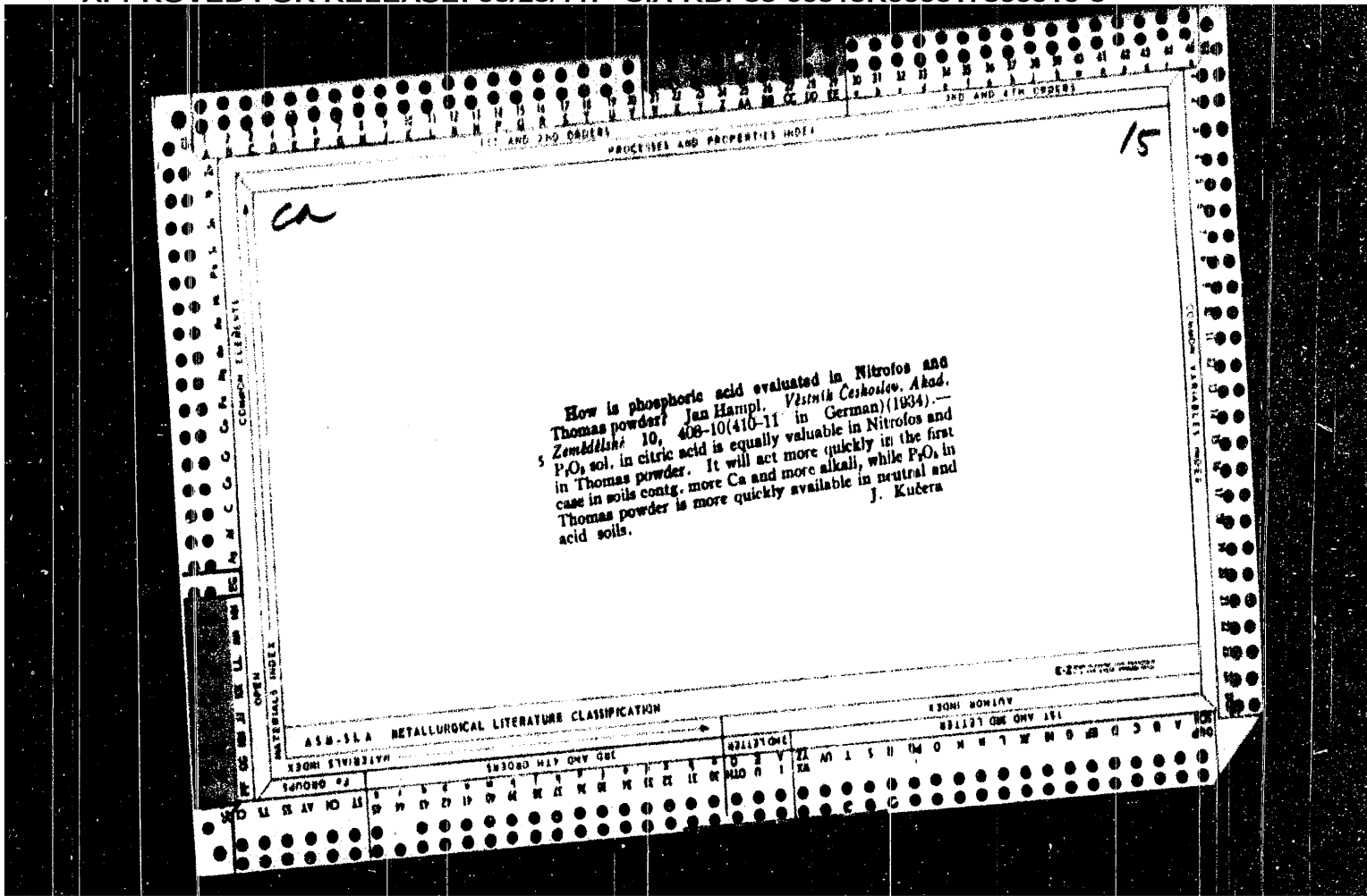
CA

Phosphoric acid soluble in citric acid in citrophosphate and its evaluation. Jan Hampl. — *Sbornik Českoslov. Akad. Emisiditad 11, 285-9* (in German 280-00) (1938). — P_2O_5 of Citrophosphate is more easily available to plants than that in Thomas meal, whereas the unused P_2O_5 goes over more easily into the insol. form in the soil. The final results obtained with these 2 P_2O_5 contg. fertilizers are about equal. In regard to the speed of action, the P_2O_5 in Citrophosphate stands between superphosphate and Thomas meal. The difference in activity between these fertilizers correctly applied lies only in the speed of their effects. J. Kudrva

ASB-SLA 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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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Modern manufacture of superphosphate. J. Hamph Chem. Listy 29, 27-9, 46 7(1935) F. H. U.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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TEST AND FIND ORDERS

PRECISELY AND PROPERTIES INDEX

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Nitrofon. Jan Haubel. Věstník Českoslov. Akad. Zemedelsk. 9, 523-5(1933). Properties and compn. are described of a new Czechoslovakian combined fertilizer which is made from African phosphate and fused NH_4NO_3 . The P_2O_5 is less sol. than that in Thom's meal. T. K.

ASAC 51A METALLURGICAL LITERATURE CLASSIFICATION

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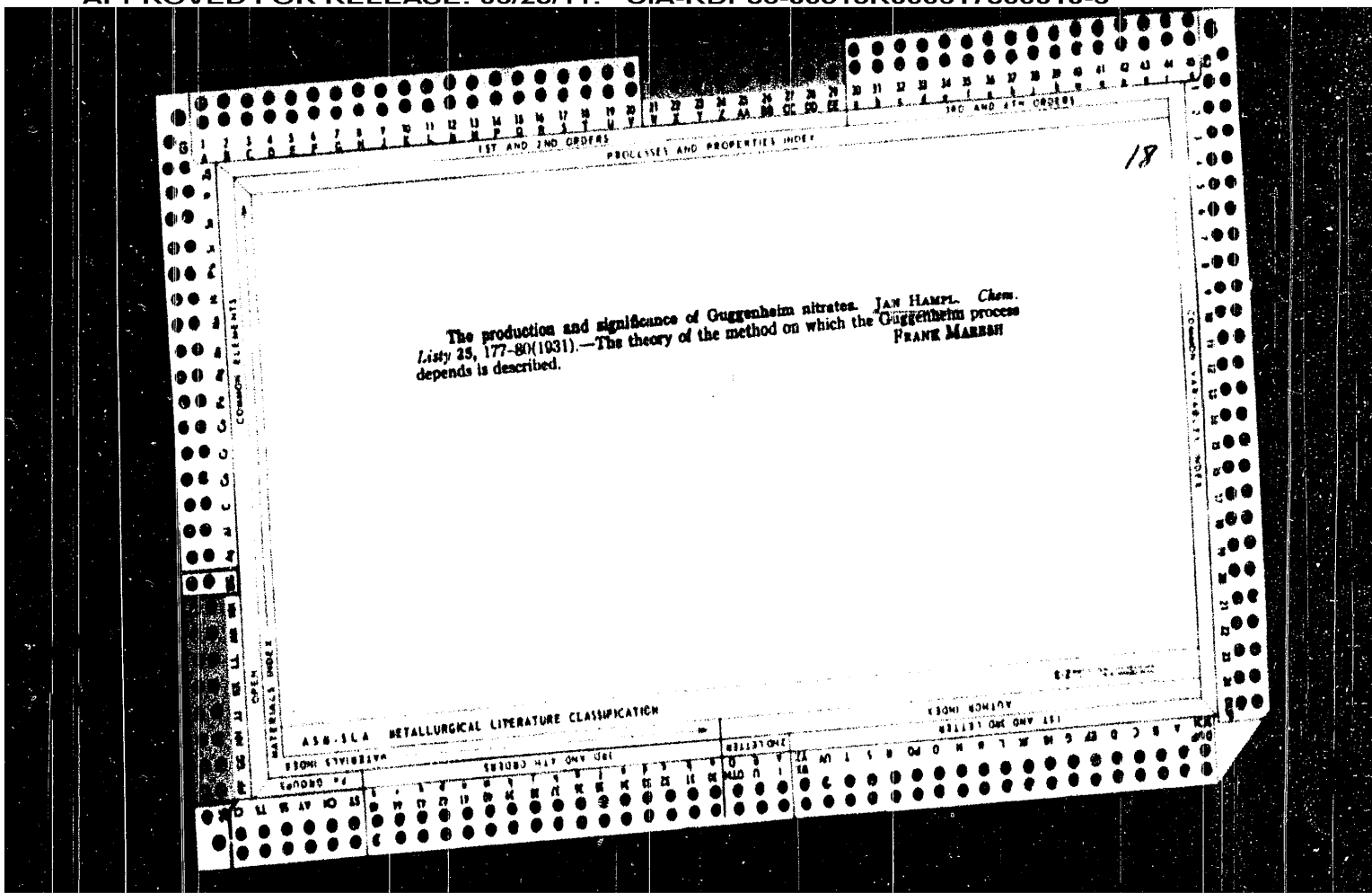
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Titanium determination in Moravian soils. Jan Hanuš. Věstník Českého Akad. Zemišské 7, 924 8(1931); Chem. Zentr. 1932, I, 730. Ti detn. by the method of Neumann-Murphy (cf. C. A. 8, 308) with methylene blue in the HCl ext. of the soil gives too high a value, as org. matter in the soil, as well as Ti salts, effects the reduction of the reagent. M. G. Moore

AS & SEA 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

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

1ST AND 2ND ORDERS

PRICE/FEE AND PROPERTIES INDEX

110

CA

Injury to vegetation by superphosphate factories
Haupt. - *Věstník Českoslov. Akad. Zemišské 7, 24 6*
(1931). - With properly regulated absorption chambers the
amt. of HF derived from the waste gases of superphosphate
factories is insufficient to cause plant injury in the immedi-
ate neighborhood. B. C. A.

COMMON ELEMENTS

COMMON VARIABLES INDEX

OPEN

MATERIALS INDEX

ASPH-SLA METALLURGICAL LITERATURE CLASSIFICATION

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5TH AND 6TH ORDERS

7TH AND 8TH ORDERS

9TH AND 10TH ORDERS

11TH AND 12TH ORDERS

13TH AND 14TH ORDERS

15TH AND 16TH ORDERS

17TH AND 18TH ORDERS

19TH AND 20TH ORDERS

21ST AND 22ND ORDERS

23RD AND 24TH ORDERS

25TH AND 26TH ORDERS

27TH AND 28TH ORDERS

29TH AND 30TH ORDERS

31ST AND 32ND ORDERS

33RD AND 34TH ORDERS

35TH AND 36TH ORDERS

37TH AND 38TH ORDERS

39TH AND 40TH ORDERS

41ST AND 42ND ORDERS

43RD AND 44TH ORDERS

45TH AND 46TH ORDERS

47TH AND 48TH ORDERS

49TH AND 50TH ORDERS

51ST AND 52ND ORDERS

53RD AND 54TH ORDERS

55TH AND 56TH ORDERS

57TH AND 58TH ORDERS

59TH AND 60TH ORDERS

61ST AND 62ND ORDERS

63RD AND 64TH ORDERS

65TH AND 66TH ORDERS

67TH AND 68TH ORDERS

69TH AND 70TH ORDERS

71ST AND 72ND ORDERS

73RD AND 74TH ORDERS

75TH AND 76TH ORDERS

77TH AND 78TH ORDERS

79TH AND 80TH ORDERS

81ST AND 82ND ORDERS

83RD AND 84TH ORDERS

85TH AND 86TH ORDERS

87TH AND 88TH ORDERS

89TH AND 90TH ORDERS

91ST AND 92ND ORDERS

93RD AND 94TH ORDERS

95TH AND 96TH ORDERS

97TH AND 98TH ORDERS

99TH AND 100TH ORDERS

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000617800010-6

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

15

ca

Nitrogen problem in Czechoslovakia. JAN HAMPL. *Chem. Abstr.* 6, 235-6(1931)
Industrial and agricultural aspect of the N problem in Czechoslovakia is given with bibliography.
JAROSLAV KUČERA

METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS

Common Element

Common Variable Index

OPEN

1ST AND 2ND ORDERS

1ST AND 2ND ORDERS

1ST AND 2ND ORDERS

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000617800010-6

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1st AND 2ND ORDERS 3rd AND 4TH ORDERS

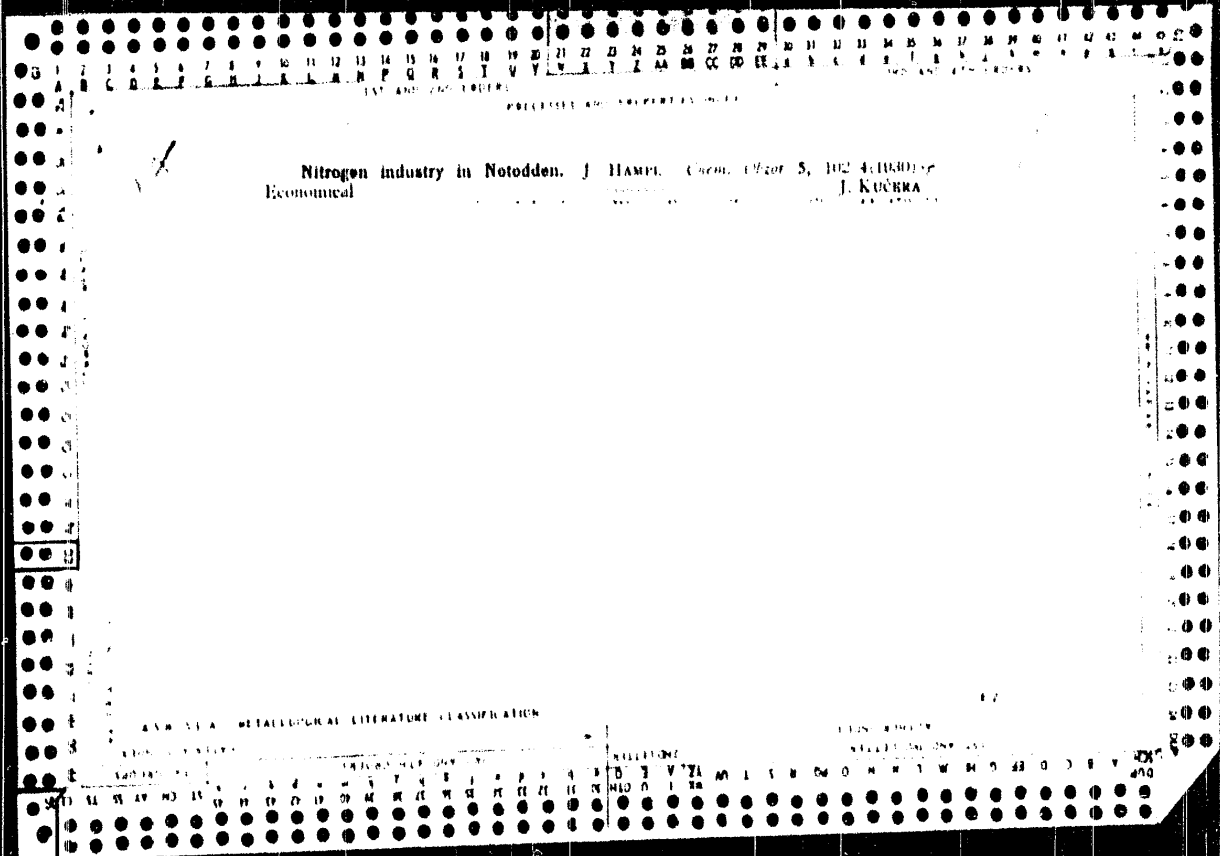
112

The evaluation of the roots of fodder beets for eugenic purposes. K KOČNAN, J HAMPE AND VI ŠMERIDA. *Sbornik Čsl. Akad. Zombodilsk 6, 05(10,00), Listy Chémické 49, No 20, Rozhledy 22*. Chem. analysis was found of little value in studying eugenic expts. with fodder beets; polarization did not give the true sucrose content, for inversion occurs readily, and the content of invertase is increased; the refractometric detn. can be used only for roots of the same dimensions and variety in order to have comparable results. The beets are mashed, weighed and digested with hot water, the n_D is then read and the sucrose content computed. The margin of error is $\pm 1\%$, but the results are more accurate than with a polarimeter. The distribution of soil nutritional elements varies in the same species and is altered by the shape of the root, removal of greens, depth of root in the ground and accessory rows. The instructions for cutting cylinders for sugar detn. from sugar beets do not hold for fodder beets, and a trial detn. of the distribution of sugar must be made on each variety before making dependable analyses for the whole plot. The superficial strata were richer in sugar than the inner ones.

FRANK MARRIOT

METALLURGICAL LITERATURE CLASSIFICATION

17



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

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z AA AB AC AD AE AF AG AH AI AJ AK AL AM AN AO AP AQ AR AS AT AU AV AW AX AY AZ BA BB BC BD BE BF BG BH BI BJ BK BL BM BN BO BP BQ BR BS BT BU BV BW BX BY BZ CA CB CC CD CE CF CG CH CI CJ CK CL CM CN CO CP CQ CR CS CT CU CV CW CX CY CZ DA DB DC DD DE DF DG DH DI DJ DK DL DM DN DO DP DQ DR DS DT DU DV DW DX DY DZ EA EB EC ED EE EF EG EH EI EJ EK EL EM EN EO EP EQ ER ES ET EU EV EW EX EY EZ FA FB FC FD FE FF FG FH FI FJ FK FL FM FN FO FP FQ FR FS FT FU FV FW FX FY FZ GA GB GC GD GE GF GG GH GI GJ GK GL GM GN GO GP GQ GR GS GT GU GV GW GX GY GZ HA HB HC HD HE HF HG HH HI HJ HK HL HM HN HO HP HQ HR HS HT HU HV HW HX HY HZ IA IB IC ID IE IF IG IH II IJ IK IL IM IN IO IP IQ IR IS IT IU IV IW IX IY IZ JA JB JC JD JE JF JG JH JI JJ JK JL JM JN JO JP JQ JR JS JT JU JV JW JX JY JZ KA KB KC KD KE KF KG KH KI KJ KL KM KN KO KP KQ KR KS KT KU KV KW KX KY KZ LA LB LC LD LE LF LG LH LI LJ LK LL LM LN LO LP LQ LR LS LT LU LV LW LX LY LZ MA MB MC MD ME MF MG MH MI MJ MK ML MN MO MP MQ MR MS MT MU MV MW MX MY MZ NA NB NC ND NE NF NG NH NI NJ NK NL NM NO NP NQ NR NS NT NU NV NW NX NY NZ OA OB OC OD OE OF OG OH OI OJ OK OL OM ON OO OP OQ OR OS OT OU OV OW OX OY OZ PA PB PC PD PE PF PG PH PI PJ PK PL PM PN PO PP PQ PR PS PT PU PV PW PX PY PZ QA QB QC QD QE QF QG QH QI QJ QK QL QM QN QO QQ QR QS QT QU QV QW QX QY QZ RA RB RC RD RE RF RG RH RI RJ RK RL RM RN RO RP RQ RR RS RT RU RV RW RX RY RZ SA SB SC SD SE SF SG SH SI SJ SK SL SM SN SO SP SQ SR SS ST SU SV SW SX SY SZ TA TB TC TD TE TF TG TH TI TJ TK TL TM TN TO TP TQ TR TS TT TU TV TW TX TY TZ UA UB UC UD UE UF UG UH UI UJ UK UL UM UN UO UQ UR US UT UY UZ VA VB VC VD VE VF VG VH VI VJ VK VL VM VN VO VQ VR VS VT VY VZ WA WB WC WD WE WF WG WH WI WJ WK WL WM WN WO WP WQ WR WS WT WY WZ XA XB XC XD XE XF XG XH XI XJ XK XL XM XN XO XP XQ XR XS XT XU XV XW XX XY XZ YA YB YC YD YE YF YG YH YI YJ YK YL YM YN YO YQ YR YS YT YU YV YW YX YZ ZA ZB ZC ZD ZE ZF ZG ZH ZI ZJ ZK ZL ZM ZN ZO ZP ZQ ZR ZS ZT ZU ZV ZW ZX ZY ZZ

1ST AND 2ND EDITIONS 1901 AND 4TH EDITIONS

PROCESSES AND PROPERTIES INDEX

CR 12

Refractometric determinations of sugar in fodder beets for selective purposes.
J. HAMR. *Vestník (of Akad. Zemelskí 3, 846(1920), Listy cukrovar. Koshedy 48, 11.* Raffinose and invertase are present in the juices of fodder beets in addn. to saccharose. The compn. is seasonal, and the polarization values are not dependable. The actual content of sucrose cannot be computed from refractometer readings. The refractometer readings indicate the content of sol. dry matter, which is roughly proportional to the sugar content.
FRANK MARRIOTT

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

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

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

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z AA BB CC DD EE

TABLE AND THE ABBREVIATIONS

PROCESSES AND PROPERTIES OF

ca

12

Causes for difference between refraction and polarization in fodder beets. I.
HAMPL. *Věstník čsl. Akad. Zemědělské 4, 547(1929); Listy cukrovar. Roshedy 48, 11.*
Polarization dots have no significance, for they do not approach the correct sugar content. The polarization is higher than the actual quantity of saccharose, although it should be lower because of the presence of invertase. This may be due to a rapid inversion of saccharose in the pressed juices or the sugar in the beet is not chiefly saccharose but a mixt. of 2 sugars. Refractive readings change from 1.8 to 2.6 because of exper. observations. For ordinary accuracy the sugar content may be computed from refraction readings. No relation exists between the total dry matter and the refractive index of juices.
FRANK MARSH

NEW YORK METEOROLOGICAL LITERATURE CLASSIFICATION

SI 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

ACCESSION NR: AP4035365

consists essentially in the use of austenitic stainless chromium-manganese steel with a nitrogen content from 0.15 to 0.50% by weight in the cold-worked state, or when roasted at temperatures from 150 to 950C for the above-mentioned elastic elements. These parts contain, furthermore, 0.05--0.12% carbon, 14.0--17.0% manganese, 0.60--1.50% silicon, 16.0--19.0% chromium, 1.2--2% nickel, not more than 0.060% phosphorus and not more than 0.35% sulfur in the cold-worked state, or when roasted at lower temperatures than for the austenization of a given steel.

ASSOCIATION: none

SUBMITTED: 11Dec62

SUB CODE: MM

DATE ACQ: 20May64

NO REF SOV: 000

ENCL: 00

OTHER: 000

Card 2/2

ACCESSION NR: AP4035365

Z/0034/64/000/005/0378/0379

AUTHOR: Hampl, J. (Engineer); Poboril, F. (Doctor of engineering); Zezulova, M. (Engineer)

TITLE: Elastic elements of stainless steel

SOURCE: Hutnicke listy, no. 5, 1964, 378-379

TOPIC TAGS: elastic part, abrasive media, membrane, bourdon spring, diaphragm, beryllium bronze, hardening heat treatment, austenitic steel, high nitrogen content, cold-working, tensile strength, chromium-manganese steel

ABSTRACT: For elastic elements of small thickness, subjected to high pressures or under the action of abrasive media, e.g. for membranes, bourdon springs, diaphragms and similar parts, use is usually made of beryllium bronze strengthened by hardening heat treatment to about 90 to 135 kp/mm². The invention is based on the new fact that stainless austenitic steels with a high nitrogen content, after being roasted at low temperatures and cold-worked, do not undergo the sudden change in hardness or tensile strength which is characteristic of chrome stainless steels in the area of ductility values from 20 to 25%. The invention

Card 1/2

HAMPL, J.

"Ball-bearing transmissions."

p. 21 (Jemna Mechanika A Optika) Vol. 3, no. 1, Jan. 1958.
Prague, Czechoslovakia

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

HAMPL, J.

Ball-bearing transmission gears.

P. 7, ((Jemna Mechanka a Optika. Vol. 2, no. 1, Feb. 1957. Praha, Czechoslovakia)

Monthly Index of East European Accessions (FEAI) LC. Vol. 7, no. 2,
February 1958

CZECHOSLOVAKIA/Optics - Photography

K-13

Abs Jour : Ref Zhur - Fizika, No 2, 1959, No 4667

Author : Hampl J.

Inst : -

Title : New High Frequency Camera "VFK".

Orig Pub : Jemna mech. a opt., 1958, 3, No 3, 89-92

Abstract : Description of the principle and construction of a high speed camera, which photographs at a rate of 6,000 to 42,000 frames per second. A section of the film is placed inside a uniformly rotating drum. Inside this drum is located another drum, which rotates about the same axis, but with a somewhat different velocity. Placed on the periphery of this internal drum are several rows of small objectives, which produce an image of the photographed objects on the light sensitive emulsion. The small objective operates parallel to the rays produced by the collimating objective, the front focus of which coincides with the plane of the photographed object. The author analyzes mathematically

Card : 1/2

GHOSHICOVA, Elena, Ing. Ghis., BAC¹, Buch., prof., inv., dr.

Problem of residual microflora in sterilized meat and
vegetable cans. From paper no. 11513/57. N. 10.

1. Higher School of Chemical Technology, Cluj.

HAMPL, B.

"Industrial microbiology" by A. H. Rose. Reviewed by B.
Hampl. Prun potravín 14 no. 12:669 D '63.

HAMPL

"Technical microbiology of animal products and feeds" by
Bogoje Stevic. Reviewed by Hampl. Prum potravina 14 no.6:
334-335 Je '63.

HAMPL, B.

Disinfectants and the mechanism of their action. (Supplement) p. 3

PRUMYSL POTRAVIN. (Ministerstvo potravinarskyho prumyslu) Praha, Czechoslovakia
Vol. 10, no. 1, Jan. 1959

Monthly List of East European Accessions (EEAI), LC, Vol. 9, no. 7, July 1959
Uncl.

CZECHOSLOVAKIA / Microbiology. Technical Microbiology. F-3

Abs Jour: Ref Zhur-Biol., No 16, 1958, 72044.

Author : HAMPL, Bohus; Orszaghova, Venceslava.

Inst : Not given.

Title : Microbiological Investigation of Sugar.

Orig Pub: Listy cukrovarn., 1957, 73, No 3, 59-60.

Abstract: For evaluating the quality of sugar, it is recommended to determine the sugar quantity of thermophilic spore-forming aerobes and anaerobes releasing H_2S . On the basis of their own and of data in literature, the authors assume the existence of 125 thermophilic spore-forming bacteria in 10 g. of sugar. -- From the authors' resume.

Card 1/1

HAMPL, BOHUS.

Klic k urcovani technicky dulezitych plisni. [Vyd. 1.] Praha, Statni nakl. technicke literatury, 1957. 130 p. [Key for the identification of technically important fungi. 1st ed. illus. (part col.), bibl., index, notes, tables]

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

HAMPL, B; SHICHO, V.

The possibility of using tomatine in the food industry;

1st report, p. 152
Vol. 6, no. 3, 1955
PRUMYSL POTRAVIN
Praha

SO: Monthly List of East European Accessions (EEAL), LC, VOL. 5, no. 3
March 1956

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

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z AA AB AC AD AE AF AG AH AI AJ AK AL AM AN AO AP AQ AR AS AT AU AV AW AX AY AZ BA BB BC BD BE BF BG BH BI BJ BK BL BM BN BO BP BQ BR BS BT BU BV BW BX BY BZ CA CB CC CD CE CF CG CH CI CJ CK CL CM CN CO CP CQ CR CS CT CU CV CW CX CY CZ DA DB DC DD DE DF DG DH DI DJ DK DL DM DN DO DP DQ DR DS DT DU DV DW DX DY DZ EA EB EC ED EE EF EG EH EI EJ EK EL EM EN EO EP EQ ER ES ET EU EV EW EX EY EZ FA FB FC FD FE FF FG FH FI FJ FK FL FM FN FO FP FQ FR FS FT FU FV FW FX FY FZ GA GB GC GD GE GF GG GH GI GJ GK GL GM GN GO GP GQ GR GS GT GU GV GW GX GY GZ HA HB HC HD HE HF HG HH HI HJ HK HL HM HN HO HP HQ HR HS HT HU HV HW HX HY HZ IA IB IC ID IE IF IG IH II IJ IK IL IM IN IO IP IQ IR IS IT IU IV IW IX IY IZ JA JB JC JD JE JF JG JH JI JJ JK JL JM JN JO JP JQ JR JS JT JU JV JW JX JY JZ KA KB KC KD KE KF KG KH KI KJ KL KM KN KO KP KQ KR KS KT KU KV KW KX KY KZ LA LB LC LD LE LF LG LH LI LJ LK LL LM LN LO LP LQ LR LS LT LU LV LW LX LY LZ MA MB MC MD ME MF MG MH MI MJ MK ML MN MO MP MQ MR MS MT MU MV MW MX MY MZ NA NB NC ND NE NF NG NH NI NJ NK NL NO NP NQ NR NS NT NU NV NW NX NY NZ OA OB OC OD OE OF OG OH OI OJ OK OL OM ON OO OP OQ OR OS OT OU OV OW OX OY OZ PA PB PC PD PE PF PG PH PI PJ PK PL PM PN PO PP PQ PR PS PT PU PV PW PX PY PZ QA QB QC QD QE QF QG QH QI QJ QK QL QM QN QO QP QQ QR QS QT QU QV QW QX QY QZ RA RB RC RD RE RF RG RH RI RJ RK RL RM RN RO RP RQ RR RS RT RU RV RW RX RY RZ SA SB SC SD SE SF SG SH SI SJ SK SL SM SN SO SP SQ SR SS ST SU SV SW SX SY SZ TA TB TC TD TE TF TG TH TI TJ TK TL TM TN TO TP TQ TR TS TT TU TV TW TX TY TZ UA UB UC UD UE UF UG UH UI UJ UK UL UM UN UO UP UQ UR US UT UY UZ VA VB VC VD VE VF VG VH VI VJ VK VL VM VN VO VP VQ VR VS VT VY VZ WA WB WC WD WE WF WG WH WI WJ WK WL WM WN WO WP WQ WR WS WT WY WZ XA XB XC XD XE XF XG XH XI XJ XK XL XM XN XO XP XQ XR XS XT XU XV XW XX XY XZ YA YB YC YD YE YF YG YH YI YJ YK YL YM YN YO YP YQ YR YS YT YU YV YW YX YY YZ ZA ZB ZC ZD ZE ZF ZG ZH ZI ZJ ZK ZL ZM ZN ZO ZP ZQ ZR ZS ZT ZU ZV ZW ZX ZY ZZ

SEARCHED INDEXED SERIALIZED FILED

HAMPL, B.

B

Bacteriological control of drinking water Behag
HAMPL. *Physiol. Zool.* 15, 16-17, 11-1, (1932), 81-103
Chem. Zentr. 1935, II, 2000. A review and suggestions
for unified methods. W. A. Mason

ASME 11.1 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

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z AA AB AC AD AE AF AG AH AI AJ AK AL AM AN AO AP AQ AR AS AT AU AV AW AX AY AZ BA BB BC BD BE BF BG BH BI BJ BK BL BM BN BO BP BQ BR BS BT BU BV BW BX BY BZ CA CB CC CD CE CF CG CH CI CJ CK CL CM CN CO CP CQ CR CS CT CU CV CW CX CY CZ DA DB DC DD DE DF DG DH DI DJ DK DL DM DN DO DP DQ DR DS DT DU DV DW DX DY DZ EA EB EC ED EE EF EG EH EI EJ EK EL EM EN EO EP EQ ER ES ET EU EV EW EX EY EZ FA FB FC FD FE FF FG FH FI FJ FK FL FM FN FO FP FQ FR FS FT FU FV FW FX FY FZ GA GB GC GD GE GF GG GH GI GJ GK GL GM GN GO GP GQ GR GS GT GU GV GW GX GY GZ HA HB HC HD HE HF HG HH HI HJ HK HL HM HN HO HP HQ HR HS HT HU HV HW HX HY HZ IA IB IC ID IE IF IG IH II IJ IK IL IM IN IO IP IQ IR IS IT IU IV IW IX IY IZ JA JB JC JD JE JF JG JH JI JJ JK JL JM JN JO JP JQ JR JS JT JU JV JW JX JY JZ KA KB KC KD KE KF KG KH KI KJ KL KM KN KO KP KQ KR KS KT KU KV KW KX KY KZ LA LB LC LD LE LF LG LH LI LJ LK LL LM LN LO LP LQ LR LS LT LU LV LW LX LY LZ MA MB MC MD ME MF MG MH MI MJ MK ML MN MO MP MQ MR MS MT MU MV MW MX MY MZ NA NB NC ND NE NF NG NH NI NJ NK NL NO NP NQ NR NS NT NU NV NW NX NY NZ OA OB OC OD OE OF OG OH OI OJ OK OL OM ON OO OP OQ OR OS OT OU OV OW OX OY OZ PA PB PC PD PE PF PG PH PI PJ PK PL PM PN PO PP PQ PR PS PT PU PV PW PX PY PZ QA QB QC QD QE QF QG QH QI QJ QK QL QM QN QO QP QQ QR QS QT QU QV QW QX QY QZ RA RB RC RD RE RF RG RH RI RJ RK RL RM RN RO RP RQ RR RS RT RU RV RW RX RY RZ SA SB SC SD SE SF SG SH SI SJ SK SL SM SN SO SP SQ SR SS ST SU SV SW SX SY SZ TA TB TC TD TE TF TG TH TI TJ TK TL TM TN TO TP TQ TR TS TT TU TV TW TX TY TZ UA UB UC UD UE UF UG UH UI UJ UK UL UM UN UO UP UQ UR US UT UY UZ VA VB VC VD VE VF VG VH VI VJ VK VL VM VN VO VP VQ VR VS VT VY VZ WA WB WC WD WE WF WG WH WI WJ WK WL WM WN WO WP WQ WR WS WT WY WZ XA XB XC XD XE XF XG XH XI XJ XK XL XM XN XO XP XQ XR XS XT XU XV XW XX XY XZ YA YB YC YD YE YF YG YH YI YJ YK YL YM YN YO YP YQ YR YS YT YU YV YW YX YY YZ ZA ZB ZC ZD ZE ZF ZG ZH ZI ZJ ZK ZL ZM ZN ZO ZP ZQ ZR ZS ZT ZU ZV ZW ZX ZY ZZ

CZECHOSLOVAKIA / Farm Animals. Poultry.

Q-5

Abs Jour : Ref Zhur - Biol., No 10, 1958, No 45283

Author : ~~Hamp~~, Arnost

Inst : Not given

Title : On the Topographic Anatomy of the Sinus Infraorbitalis

Orig Pub : Sbor vysoke skoly zemed a Lesn. Brno, 1957, B5, No. 1,
23-29

Abstract : The situation, limits and measurements of the sinus infra-orbitalis, as well as the relation of this cavity to the nasal fossa and the cavity of the dorsal nasal concha, are described. The most expedient surgical approaches to sinus infraorbitalis are indicated.

Card 1/1

and by 11% at 32°. The toxicity of thiophos dust did not last longer when it was combined with 1% chlorothane, 0.25% DDT, 0.6% oxidiphenyl and 1% NIUPh-101. The toxicity of thiophos dust with activated coal

Card 1/2

USSR/General and Special Zoology - Insects. P.

Abs Jour : Ref Zhur - Biol., No 7, 1958, 30595

(of a very great absorption capacity) was greater than with talc, which was greater in turn than with a mixture of coal (10%) and talc (95), which in turn was greater than with a mixture of "opoka" (25%) and talc (74%), which in turn was greater than with plain "Opoka". Thiophos in a 0.0005% solution was more toxic than vophatox, and both preparations in a 0.005% solution totally annihilated the insects. In contact with the plants for 18 and 24 hours at a 30-45° temperature the thiophos standard dust (1%) with talc caused the destruction of 15-20% of the eurygaster, while vophatox used with slate flour led to the destruction of 90 and 100% of the eurygaster. The dusts of thiophos and vophatox should be prepared with feeders of the best absorption capacity.

Card 2/2

USSR/General and Special Zoology - Insects.

Abs Jour : Ref Zhur - Biol., No 7, 1958, 30584

Author : Paykin, D.M., Shabanova, M.P., Hamper, N.M., Yefimova, L.F.
Inst : -
Title : Insecticidal Properties of Certain Organic Phosphorus
Combinations.

Orig Pub : V sb.: Khimiya i primeneniye Fosfororgan. soyedineniy.
M., AN SSSR, 1957, 408-419

Abstract : The following chemicals were tested for their contact ac-
tion on the harmful eurygaster and the larvae of the sea
farinaceous scale insects in the laboratories of the All-
Union Institute for the Protection of Plants. Twenty
four ethers of phosphoric and thiophosphoric acids, deri-
vative ethers of thiophosphoric acid and four disulphides,
ten ethers of thiophosphoric, dithiophosphoric and thio-
phosphorous acids (all the above listed combinations were
less toxic than thiophos), eight ethers of

Card 1/2

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Krakowski, M. (Łódź). On Certain Infinite Series Connected With Bessel Functions	29
Schinzel, A. (Warsaw). On the Diophantine Equation $\sum_{k=1}^n A_k x^k y^k = 0$	31
Schinzel, A. (Warsaw). On the Equation $x^4 + y^4 = z^4$ Card 2/4	31

Hampel, R

PHASE I BOOK EXPLOITATION POLSKIE

Polskie Towarzystwo matematyczne

Prace Matematyczne, Seria I, IV (Mathematical Research
Series I, vol. IV) Warsaw, Państwowe wydawnictwo naukowe, 1964,
140 p. 1,075 copies printed.

Editorial Board: Władysław Orlicz (Chief Ed.), Marek Stankiewicz
(Deputy Chief Ed.), Adam Bielecki, Witold Bandkowski,
Stanisław Dolab, Jerzy Górski, Stanisław Łojasiewicz,
Musiela (Secretary), Zbigniew Szulc, Stanisław
Tatarkiewicz.

PURPOSE: This book is intended for mathematicians.

COVERAGE: This is a collection of 14 articles in algebra,
algebra, analysis, theory of numbers, probability theory
and geometry. Summaries in Russian and English or Russian
and French are given after each article. No personalities
are mentioned. References follow most of the articles.

Cind 1/4

HANDEL R.

Handel, R. On the solution in natural numbers of the equation $x^n - 1 = y^2$. Ann. Polon. Math. 3 (1955), 1-4.
The author proves that the equations

$$x^{2n} - (n-1)^2 = 1$$

with $n \geq 2, x \geq 2, y \geq 1$ are not solvable except in the trivial case $n=2, x=2, y=1$. The case with $+1$ on the right hand side is readily reduced to the solvability of $2^{2n} - 3^{2n} = 1$ and it is then not difficult to see that the expansions of 2^{2n} and 3^{2n} in the scale of 2 always fail to agree in the last three digits. The case with -1 on the right is more difficult, but the author disposes of it by showing that the representation of $(n-1)^2$ in the scale of n cannot, except in the trivial case, have as many zero digits as n^{2n} . The paper concludes with a slight generalisation.
H. Halburam (Exeter).

1-FW

MT

HAMPEL R

MS ✓ Hampeł R. The length of the shortest period of rests of $1 - 1/n$ numbers n^k . Ann. Polon. Math. 1 (1955), 360-366.
 Sierpinski has proved that for every natural m the integers n^k ($n=1, 2, 3, \dots$) form an infinite periodic sequence (mod m) [Ann. Soc. Polon. Math. 23 (1950), 252-253; MR 12, 674]. Let S_m denote the least positive integer such that $(n+S_m)^{n^k} \equiv n^k \pmod{m}$ for all n from some point on. The author proves that if $m = \prod_{i=1}^r p_i^{a_i}$ is the decomposition of m into prime powers, S_m is equal to the least common multiple of the numbers $m, p_1-1, p_2-1, \dots, p_r-1$.
 The first step in the proof is to show that $\phi(m) \prod_{i=1}^r p_i$ is divisible by S_m , $\phi(m)$ being Euler's function. Next the theorem is established for $m=p$ (this part of the argument is due to Sierpinski), then for $m=p^k, k \geq 2$, and finally for general m . The methods of the proof lie in the theory of linear congruences; frequent use is made of the Euler-Fermat congruence and of the properties of primitive roots.
 It should be pointed out that equation (7) must read: " $S_m \mid p-1$ for $(m, p) \neq 1$ " for the subsequent argument to be correct. H. Halberstam (Providence, R.I.)

MS ✓

HAMPEL, R.

Mathematical Reviews
 Vol. 14 No. 10
 Nov. 1953
 Analysis

Hampel, R. / Quelques remarques se rapportant aux noyaux itérés dans l'espace à p dimensions. *Proc. Mat. Eq.* 48, 111-128 (1952).

The kernels considered are of the form

$$K(A, B) = H(A, B)^{\alpha},$$

where A and B are points in a p dimensional rectangle, r is the distance between A and B , $\alpha < p$ and $0 < H(A, B) < H^p$. Bounds for the iterates of such kernels are obtained based on the inequality between the arithmetic and geometric mean, i.e., $r^{\alpha} \geq p^{\alpha} \prod_{i=1}^p (x_i - t_i)^{\alpha/p}$ where $A = (x_1, \dots, x_p)$ and $B = (t_1, \dots, t_p)$. The value $\alpha = np/(n+1)$ plays a role in the bounds for the n th iterated kernel. There is a discussion of the diophantine equation $\alpha = np/(n+1)$, α being an integer, $n \leq N$, and $\alpha + 1 \leq p \leq P$, P and N being given, finite or infinite. *T. H. Hiltebrandt* (Ann Arbor, Mich.)

HAMPEL, R.

Mathematical

Reviews

Vol. 14 No. 11

Dec. 1953

Mathematical

Physics

Hampel, R. Quelques applications des equations integrales dans la theorie d'electricite. Prace Mat.-Fiz. 48, 79-100 (1952).

The two problems discussed relate to an electrostatic field perturbed by a body of general shape and varying dielectric constant, and to a stationary current distribution in a body with varying conductivity. It is shown in each case that the solution can be reduced to a double application of the Fredholm theory. The first stage is to find a simple layer distribution over the surface of the body giving a harmonic Green's function which, while not the Green's function of the actual problem, can serve as the kernel in an integral equation which gives the desired solution. The existence of this Green's function appears completely established with the additional restriction that the varying parameter be constant on the surface of the body. Full attention is paid throughout to rigour.

F. V. Atkinson (Ibadan).

~~HAMPEL, Margit~~

Conclusions drawn from in vitro studies on the pathogenicity of antibiotic resistant and sensitive *Micrococcus pyogenes aureus* strains cultivated from the excreta of tuberculous patients. *Tuberkulózis* 10 no.7-9:204-205 July-Sept 57.

1. Országos Koranyi Tbc Intezet (tud. vezető: Sebok Lorand) Diagnosztikai Laboratoriumának (vezető: Szabo Istvan) közleménye.
(MICROCOCCUS PYOGENES, eff. of drugs on antibiotics, pathogenicity of resistant & sensitive aureus strains isolated from tuberculous (Hun))
(ANTIBIOTICS, eff. on *Micrococcus pyogenes aureus*, pathogenicity of resistant & sensitive strains isolated from tuberculous (Hun))
(TUBERCULOSIS, microbiol. *Micrococcus pyogenes aureus*, pathogenicity of antibiotic resistant & sensitive strains (Hun))

POLAND/Chemical Technology - Chemical Products and Their
Application, Part 3. - Fats and Oils, Waxes,
Soaps, Detergents, Flotation Agents.

H-25

Abs Jour : Ref Zhur - Khimiya, No 14, 1958, 48331

and impurity elimination is greater, than those of analogous preparations obtained on the base of lauric acid. All the synthesized substances are little hygroscopic. I-s differ from analogous products prepared of coconut oil only by their light yellow color and soft consistency.

Card 2/2

6

Hampel, M.

POLAND/Chemical Technology - Chemical Products and Their Application, Part 3. - Fats and Oils, Waxes, Soaps, Detergents, Flotation Agents. H-25

Abs Jour : Ref Zhur - Khimiya, No 14, 1958, 48331

Author : Zb. Jedlinski, M. Hampel

Inst : -

Title : Study of Surface Acting Substances. II. Preparation and Description of Surface Activity of Sodium Salts of Monoglyceride Sulfates of Synthetic Fatty Acids.

Orig Pub : Przem. chem., 1956, 12, No 1, 47-51

Abstract : The synthesis of Na salts (I) of monoglyceride sulfates prepared of synthetic fatty acids and natural fats is described. The esterification was carried out in the presence of 0.2% of ZnO (per initial product) as of a catalyst. The I-s showed a considerable surface activity. The surface tension of solutions of these compounds is equal or lower, and the capacity of froth production

Card 1/2

HAMPL, Jan, inz.; RAJHEL, Frantisek, inz.

Gas pressure converters. Hut listy 17 no.2:95-97 F '62.

1. Vyzkumny ustav hutnictvi zeleza, Praha.

SIMECEK, Cyril; WAGNER, Karel; HAMPEL, Frantisek

Bronchspirometric values of kyphoscoliosis. Acta chir. orthop.
trauma. cech. 29 no.3:256-259 Je '62.

1. Ortopedicka klinika fakultni nemocnice v Olomouci, prednosta prof.
dr. A. Pavlik Tuberkulozni oddeleni fakultni nemocnice v Olomouci,
prednosta dr. V. Riha.

(KYPHOSIS physiol) (SCOLIOSIS physiol)
(SPIROMETRY)

WAGNER, K.; HAMPEL, F.

Calcification and ossification of soft tissues after burns.
Acta chir. orthop.traum.cech. 30 no.5:416-420 0'63.

1. Klinika pro ortopedickou chirurgii lekarske fakulty PU
v Olomouci, zast. prednosta MUDr. K.Wagner, CSc.

*

HAMPEL, F.

Skeletal metastases of sympathoblastoma. Acta chir. orthop. traum.
cech. 29 no.2:186-188 '62.

1. Klinika pro ortopedickou chirurgii University Palackeho v
Olomouci, prednosta prof. dr. A.Pavlik.
(BONE AND BONES neopl)
(NEUROBLASTOMA case reports)

PRACKE, T.;HAMPEL, F.

Use of Pavlik's stirrups in the field. Acta chir. orthop. traum.
cech. 27 no.1:73-75 F '60

1. Klinika pro ortopedickou chirurgii PU v Olonouci, prednosta prof.
dr. Arnold Pavlik.
(HIP fract & disloc.)

HAMPEL, F.; PROCEK, J.

Myositis ossificans progressiva. Acta chir. orthop. traum. cech. 25 no.6:
470-472 Nov 58.

1. Klinika pro ortopedickou chirurgii PU v Olomouci, prednosta prof.
dr. A. Pavlik. F. H., Ortopedic. klinika PU Olomouc.
(MYOSITIS OSSIFICANS, in inf. & child
progressive, in 12-year old girl (Cz))

HAMPEL, Fr. Dr.

WAGNER, K., Dr.As.; FLODER, G., Dr.; HAMPEL, Fr.Dr.; HOLUR, J.Dr.;
VRBECKY, J.Dr.

Treatment results of congenital femur dislocation in infants by passive method as compared with functional treatment with view to necrosis of the femoral head. Acta chir. orthop. traum. cech. 22 no.1-2:54-62 Feb 55.

1. Z klin. pro orthop. chir. PU v Olomouci; predn. prof. MUDr. Arnold Pavlik.

(FEMUR HEAD, dislocation
congen. compar. evaluation of passive & funct. treatment
with reference to femur head necrosis)

(FEMUR HEAD, diseases
necrosis, importance in indic. for passive of funct.
treatm. of congen. disloc.)

PUJMAN, V.; CERNOCHOVA, S.; HAMPEJSOVA, H.; JEDLICKOVA, M.

The effect of chlorprothixene and 6-mercaptopurine on the LA
VUFB mouse leukaemia. Neoplasma 10 no.4:365-370 '63.

1. Research Institute for Pharmacy and Biochemistry, Prague,
CSSR.

(CHLORPROTHIXENE) (MERCAPTOPURINE)
(LEUKEMIA, EXPERIMENTAL)
(ANTINEOPLASTIC AGENTS)
(BODY WEIGHT) (SPLEEN)
(LIVER)

HAMPEJS, Zdenek

The 10th International Congress on Roman Linguistic Science and
Philology in Strasbourg. Vestnik CSAV 71 no.4:464-465 '62.

KOZESNIK, Jaroslav, akademik; BLASKOVIC, Dionyz, akademik; KOLMAN, Arnost, akademik; MACURA, Jiri, dr.; VANA, Josef; GOSIOROVSKY, Milos; BOHM, Jaroslav, akademik; PROCHAZKA, Jaroslav, prof., dr.; HAMPEJS, Zdenek, dr.; BRABEC, Frantisek, prof, inz., dr.; SORM, Frantisek, akademik; NOVAK, Josef, akademik; NEUMAN, Jaromir, doc., dr.; BAZANT, Vladimir, inz., dr.; KOUNOVSKY, Bohumil, dr.; SZANTO, Jan, dr.; ROZSIVAL, Miroslav, dr.; KASPAR, Jan, dr.; HANKA, Ladislav, prof., inz.; STRNAD, Julius; WICHTERLE, Otto, akademik; ZATOPEK, Alois; JAVORNICKY, Jan, inz.; VAVRA, Jaroslav, dr.; BLATNY, Ctibor, akademik; ONDRIS, Karol, dr.; KUKAL, Vaclav, inz.

The 22d Congress of the Communist Party of the Soviet Union and the tasks of Czechoslovak science; discussion. Vestnik CSAV 71 no.1:3-59 '62.

1. Hlavní vedecký sekretar Československé akademie věd (for Kozesnik).
2. Člen korespondent Československé akademie věd (for Vana, Gosiorovsky, Kaspar, Strnad, Zatopek).
3. Rektor Karlovy university (for Prochazka).
4. Rektor České vysoké školy technické (for Brabec).
5. Namestek presidenta Československé akademie věd (for Sorm)

L 1171-66

ACCESSION NR: AP5025283

3

ASSOCIATION: Zentralinstitut für Kernforschung, Bereich Werkstoffe und Festkörper,
Rossendorf bei Dresden (Department of Raw Materials and Solid Matter, Central
Institute for Nuclear Research) *114.55*

SUBMITTED: 25Sep64

ENCL: 00

SUB CODE: MM

NR REF SOV: 000

OTHER: 000

NA

Card 2/2 *90*

L 1171-66 EWP(e)/EPF(n)-2/EWP(t)/EWP(k)/EWP(z)/EWP(b) IJP(c) ES/JD/WW/JG
ACCESSION NR: AP5025283 GE/0025/65/008/005/0291/0297

AUTHOR: Hampe, E. *44,57*

TITLE: Sintering behavior of uranium *21*

SOURCE: Kernenergie, v. 8, no. 5, 1965, 291-297

TOPIC TAGS: uranium, powder metal, ^{*44,57*} powder metal sintering

34
31
B

ABSTRACT: The experimental results of uranium sintering studies obtained by various techniques of investigation in both the early and the late state of the sintering of loose powders and, for comparison, of compacts are described. By measuring the electric resistance and the linear shrinking, density measurements, and a modified bonding rupture test, the behavior of loose powders, made from uranium hydride, in vacuum sintering at 440 to 1100 degrees C. was investigated. Below 800 degrees C., only bridge formation was observed. Mechanically solid bonding between the particles exists in range above 600 degrees C. The degree of bridge formation evidently is dependent on temperature of sintering only, but hardly on sintering time. Alpha-beta and beta-gamma transformations are disturbing to the sintering process. The compression of the samples only takes place in the range above 800 degrees C. Obtaining densities of about 95% of uranium density is possible closely below the melting point. Orig. art. has: 4 tables, 7 graphs, 2 figures.

Card 1/2

HAMP. František, kavalér ordena Respubliki, laureat gosudarstvennoy premii; DAN'KO, Yu.T., inzhener [translator]; AKIMOV, A.V., kandidat tekhnicheskikh nauk, nauchnyy redaktor; TAMBOVTSEV, S.S., kandidat tekhnicheskikh nauk, nauchnyy redaktor; SHLEPINA, M.M., redaktor; RAKOV, S.I., tekhnicheskiy redaktor

[Grinding shaped parts; improved methods of grinding precision shapes. Abridged translation from the Czech] Shlifovanie fasonnykh detalei; usovershenstvovannyye proizvodstvennyye metody shlifovaniya tochnykh profilei. Sokrashchennyi perevod s cheshakogo I.U.T. Dan'ko. [Moskva] Izd-vo VTsSPS Profizdat, 1956. 164 p. (MLRA 10:3)
(Grinding and polishing)

L 59604-65

ACCESSION NR: AP5020430

02/0034/64/000/008/0588/0590

AUTHOR: Hamouz, Z. (Engineer)

TITLE: Equipment for preheating of furnace blast air to high temperatures

SOURCE: Hutnicke listy, no. 8, 1964, 588-590

TOPIC TAGS: refining furnace, metal extracting

ABSTRACT: Existing methods for air preheating are discussed. The methods generally used in the USA are compared to those used in West Germany and France. It is stated that the German method is the most advantageous. It preheats the air to 1050°C. The French method uses temperatures of up to 1360°C. Orig. art. has: 2 tables, 4 figures.

ASSOCIATION: none

SUBMITTED: 00

ENGL: 00

SUB CODE: IE

NR REF SOVI 000

OTHER: 005

JPRS

Cont 1/1

HAMOUZ, Zdenek, inz.

Economical design of gas mixing stations. Hut listy 17 no.9:69-660 S
'62.

1. Spojens ocelarny, n.p., Kladno.

HAMOUZ, Zd., inz.

Methods of continuous steel production. Hat listy 10 no. 3:
211-214 Mr '64.

CZECHOSLOVAKIA / Chemical Technology. Chemical Products and Their Application. Carbohydrates and Their Processing. H-26

Abs Jour: Ref Zhur-Khimiya, No 1, 1959, 2679.

Abstract: line into frames not completely filled with sediment where a 3-4 millimeter layer of fine pulp cellulose settled down. After the washing has been completed, the sugar content in washings dropped to 0.96% and the polarization of an average mud sample was 1.3%. The water consumption reached 134% per mud weight. A pressure of 3 atmospheres was maintained. The best washing was in five average frames (0.91% of sugar): the washing was worse (1.41 to 2.41% of sugar) towards the press end. Pulp water is recommended for use in diffusion and for dilution of semi-products, thus making the plant sewage water harmless and increasing sugar losses by 0.06-0.07% per beet weight.

Card 2/2

CZECHOSLOVAKIA / Chemical Technology. Chemical Prod- H-26
ucts and Their Application. Carbohy-
drates and Their Processing.

Abs Jour: Ref Zhur-Khimiya, No 1, 1959, 2679.

Author: J. Hamous, J.

Inst : Not given.

Title : The Washing of Filter Presses With Water From
Pulp Press.

Orig Pub: Listy cukrovarn., 1958, 74, No 4, Inform. sluzba,
No 2, 10.

Abstract: The results of plant experiments are described concerning the washing of filter press mud with water obtained from compressing pulp and screened from coarse pulp particles on a sieve, and after 0.1% of CaO has been added to it, heated in a coil to 70-75°C. The water was fed along the juice

Card 1/2

CZECHOSLOVAKIA / Chemical Technology. Carbohydrates H-26
and Their Processing.

Abs Jour: Ref Zhur-Khimiya, No 23, 1958, 79243.

Abstract: investigation showed that the degree of decoloration of raw sugar upon the precipitation with alcohol can be used to a certain extent for its suitability for refining. Raw sugar was found to be the best when it possessed the highest rendement and the lowest color intensity in re-crystallized saccharose.

Card 2/2

CZECHOSLOVAKIA / Chemical Technology. Carbohydrates H-26
and Their Processing.

Abs Jour: Ref Zhur-Khimiya, No 23, 1958, 79243.

Author : Hamous, J.

Inst : Not given.

Title : The Determination of the Quality of Raw Sugar.

Orig Pub: Listy cukrovarn., 1958, 74, No 4, Inform sluzba,
No 2, 9-10.

Abstract: Results are given concerning the testing of 40 samples of raw sugar from 4 sugar refineries. The tests included in addition to the quality determination and rendement, also color measurements (according to Stammer). After a saccharose has been precipitated with alcohol, its color was determined again and the degree of decoloration was calculated in percent. The

Card 1/2

HANOV, I.

Korcsy and Csicsi's Gepek szerszám (airline tickets): book review. p. 244.
NEM, Budapest, Vol. 6, no. 7/8, Aug./Sept. 1954.

See: Monthly list of East European accursions, (J. I.), Vol. 1, no. 1, Oct. 1953,
Incl.

HUNGARY

BENKE, Laszlo, HAMORI, Jozsef; Medical University of Budapest, Neurological Clinic and Institute of Anatomy (Budapesti Orvostudomanyi Egyetem, Neurologiai Klinika es Anatomiai Intezet).

"Electronmicroscopic Study of Cerebellar Cortical Atrophy."

Budapest, A Magyar Tudomanyos Akademia V. Orvosi Tudomanyok Osztalyanak Kozlemenyei, Vol XVI, No 4, 1965, pages 359-363.

Abstract; [Authors' Hungarian summary] A biopsy sample taken from the cerebellum of a patient with cerebellar syndrome was examined by electron-microscopy; special attention was given to the stratum moleculare. In the absence of literature data, the submicroscopic structure of the stratum moleculare of a normal human cerebral cortex was also examined for comparison. The submicroscopic differences between the normal sample and that of the abnormal one are described; on light microscopy, the latter showed evidence of the disappearance of isolated Purkinje cells. The changes, in essence, consisted of the disappearance of Purkinje cells, their dendrites and spike synapses, their place taken by an increased glial matter. 2 Hungarian, 6 Western references. [Manuscript received 12 May 65.]

1/1

- 44 -

HAMCBI, Jozsef, egyetemi docens

Conference on cytology in Hungary. Magyar Tud. Akad. Kiadv. 71 no.11:721-723 N 1964.

Budapest Medical University.

HAMORI, Jozsef (Pecs, Dischka Gy.u.5, Hungary)

Innervation of insect leg muscle. Acta biol.Hung 12 no.3:219-230 '61

1. Department of Anatomy, Medical University, Pecs (Head:J. Szentagothai).

+

MESS, B.; HAMORI, J.

Bioassay of thyrotrophic hormone in blood by ^{131}I -autography in *
embryonic chick thyroid. *Acta physiol. hung.* 20 no.3:299-303 '61.

1. Department of Anatomy, Medical University, Pecs.

†

(THYROTROPIN blood)
(THYROID GLAND chemistry)
(RADIOAUTOGRAPHY)

HAMORI, Jozsef, (Pecs, Dschka Gy.u.5, Hungary.)

Innervation of the leg muscle. Acta biol Hung 12 no.3:219-230
'61.

1. Department of Anatomy, Medical University, Pecs (Head: J.
Szentagothai).

*

HAMORI, Jozsef (Pecs, Dischka Gy.u.5); MESS, Bela (Pecs, Dischka Gy.u.5);
Szekely, Gyorgy (Pecs, Dischka Gy.u.5)

Onset of thyroidal accumulation in normal and decapitated chick
embryos. In English. Acta biol.Hung. 10 no.2:207-214 '59. (EAI 9:5)

1. Institute of Anatomy, Medical University, Pecs.
(THYROID GLAND) (IODINE) (RADIOISOTOPES)

KOVACH, G. B.; TAKACS, L.; T-SZABO, M.; TAKACS-MAGY, L.; ZACHARIEV, G.;
HAMORI, J.

Regeneration in the biochemical, functional and histological
changes found in the muscle of rats after ischaemic shock. Acta
physiol. hung. 10 no.2-4:313-325 1956.

1. Institute of Physiology, Third Department of Medicine,
Institute of Chemistry, University Medical School, Budapest.

(SHOCK, exper.
ischemic, eff. on rat musc., biochem., funct. & histol.
changes & regen. in changes)

(MUSCLES
eff. of exper. ischemic shock in rats, biochem., funct.
& histol. changes & regen. in changes.)

KOVACH, Arisztid.; TAKACS, Lajos.; TAKACS-NAGY, Lorant.; ZACHARIEV,
Gyorgy.; HAMORI, Jozsef.

Regeneration of the working capacity after ischemic shock and of
the histological picture of the injured musculature in rats.
Kiserletes orvostud. 8 no.3:283-288 May 56

1. Bud. Orvost. Egyetem Mlettani Intezete es III. sz. Belk.
(SHOCK, exper.
ischemic, eff. on working capacity & histol. picture of
musc. in rats (Hun))
(MUSCLES, physiol.
eff. of exper. ischemic shock on working capacity &
histol. picture in rats (Hun))
(WORK, physiol.
capacity, eff. of exper. ischemic shock in rats (Hun))

HAMORI, J.; SZENTAGOTHAJ, J.

The Purkinje cell baskets: ultrastructure of an inhibitory synapse. Acta biol. acad. sci. Hung. 15 no.4:465-479 1965.

1. Department of Anatomy, Medical University, Budapest (Head: J. Szentagothai). Submitted January 30, 1965).

HAMORI, J.; SZENTAGOTHAI, J.

The "Crossing over" synapse: an electron microscope study of the molecular layer in the cerebellar cortex. Acta biol. acad. sci. Hung. 15 no.1:95-117 '64.

1. Department of Anatomy, Medical University, Budapest (Head: J. Szentagothai).

HAMORI, J.; MESS, B.

Bioassay of growth hormone by ³²P-radioautography in epiphyseal disk
of newborn rats. Acta physiol. acad. sci. hung. 21 no.3:235-242 '62.

1. Department of Anatomy, Medical University, Pecs.
(SOMATOTROPIN) (EPIPHYSES) (BIOLOGICAL ASSAY)
(ANIMALS, NEWBORN)

HAMORI, Gyorgy; SCHUTZ, Mihaly

~~Time factor analysis concerning the duration of slag and fly~~
ash concretes. Epitoanyag 14 no.11:414-421 N '62.

HAMORI, Dezso, dr., foallatorvos, kandidatus; GYURU, Ferenc, dr., egyetemi adjunktus

Inherited hypoplasia of sexual organs in Hungarian spotted cattle.
Magy allatorv lap 19 no.4:135-140 Ap '64.

1. Chair of Anatomy and Histology, University of Veterinary Medicine
(Head of Chair: Prof. Dr. Gyula Kovacs), Budapest.

HAMORI, Dezso

Data on the occurrence of cryptorchism of sheep in Hungary.
Allattenyesztes 13 no.2:133-140 Je '64.

HARORI, GY.
SOLTESZ, G.

Hazardous ness for concrete in soils with sulfate content. p. 450

EPITOANYAG. (Epitoanyagipari Tudomanyso Egyesulet) Budapest, Hungary
Vol. 11, no. 12, Dec. 1959.

Monthly list of East European Accession (EEAI) LC Vol. ~~XXXXXXXXXXXXXXXXXXXX~~
(9 NO. 2, Feb. 1960)

Uncl.

HAMORI, G.

HUNGARY / Chemical Technology. Chemical Products and H
Their Application. Ceramics. Glass. Bind-
ing Materials. Concrete.

Abs Jour: Ref Zhur-Khimiya, No 12, 1959, 43217.

Author : Soltesz G., Hamori G.
Inst : Not given.
Title : Slag Concrete.

Orig Pub: Epitoanyag, 1958, 10, No 7, 258-266.

Abstract: Considered are possibilities of utilizing slags
derived from brown coals in the concrete. The
necessity of creating standards for the slags is
indicated. The problem of slag volume constancy
is reviewed.

Card 1/1

HUNGARY

HAMORI, Dezso, Dr, chief veterinary of a state farm, candidate, B.KOVACS, Andras, Dr, candidate, SCHOGYVARI, Kalman, Dr, adjunctus; University of Veterinary Sciences, Departments of Surgery and Ophthalmology and Clinics (Allatorvostudományi Egyetem Sebészeti és Szemeszeti Tanszéke és Klinikája) (chairman: B. KOVACS, Andras, Dr, professor, candidate of veterinary sciences).

"Interdigital Tissue Overgrowth of the Hungarian Red Spotted Cattle I. The Occurrence of the Condition."

Budapest, Magyar Allatorvosok Lapja, Vol 18, No 10, Oct 63, pages 396-399.

Abstract: [Authors' English summary modified] The occurrence of pachydermia et elephantiasis regionis interdigitalis in 3649 heads of cattle of the same breed has been investigated. According to size and location, the growth was classified into two types: 1. the initial growth on the interdigital side of the upper edge of the hoof with intact epithelial cover, 2. the larger, possibly inflamed or ulcerated growth at the same location as type 1. Pathologic tissue growth was found present in 11.9 per cent of the animals examined. Its incidence was highest in bulls, less in cows and rare in heifers. On one calf, tissue overgrowth was found before weaning. The incidence of the overgrowth increased with age and body weight. A consequential lameness was observed only in the more severe cases. If large or painful overgrowths are present, the animals must be kept in stables. The pain and anorexia causes loss of flesh and milk production and in some cases sterility and impotence as well. 1 Eastern European, 5 Western references.
1/1

HUNGARY

BAJORKI, Dezso, Dr, Candidate in Agricultural Sciences, chief veteri-
narian [affiliation not given]

"Necrosis of the Tails of Pigs."

Budapest, Magyar Allatorvosok Lapja, Vol 18, No 4, Apr 63, pp 174-176

Abstract: Author's English summary modified]; Describes symptoms of tail
necrosis appearing at the age of 10 to 12 days in otherwise healthy pig-
lets. The litters of only 2.7 to 10 percent of the sows on several large
farms were affected. Cause unknown, but pathogenic coli types could be
isolated more often from the feces of the afflicted litters and their
dams than from the control groups. Two Hungarian and one German refer-
ences.

1/1

HAMORI, D.

Heredity of efficiency in thoroughbred horses. Acta agronom Hung
12 no.1/2:19-50 '63.

1. Gruppe Tiergenetik der Ungarischen Akademie der Wissenschaften,
Godollo.

GYURJ, F.; HAMORI, D.

Hereditary hypoplasia of sexual organs of Hungarian piebald cattle. Acta veter Hung 13 no.4, 323-353 1963.

1. Anatomisches und Histologisches Institut (Direktor Prof Gy. Kovacs) der Veterinärmedizinischen Universität, Budapest.

HUNGARY/Fern: Animals. Horses.

Q

Ann Jour: Ref Year-Bibl., n. 29, 1958, 92949.

the time when the mares give birth to a colt so that the rearing of the offspring takes place during the most favorable season. When the period of foetal life was shorter, the colts turned out to be larger and better developed than the colts of mares living under less favorable conditions of upkeep and feeding, which caused a longer duration of pregnancy. When the average weight of the mares was 520 and 550 kg, the average weight of the colts was correspondingly 45 and 51 kg. The colts which were larger at birth kept up this advantage even during maturity ($r = .264$).

Card : 2/2

BU. 3147/Farm Animals. Horses.

3

Mag Jour: Ref Star-Biol., No 29, 1956, 92542.

Author : Makari, D.
Inst : AS Hungary
Title : Effect of External Conditions on the Organization of Mares,
as well as on the Development and Resistance of their
Offspring. Investigation of Relations between the
Maternal Influences and Environmental Factors.

Orig Pub: Acta agron. Acad. sci. Hung., 1957, 7, 11-3, 251-299.

Abstract: Data is used which covers a ten-year period in farms
of mares, which include 4710 cases of estrus in
the mares and 1571 cases of pregnancy. Under obser-
vation were horses of different breeds, including
cold-blooded (hemoteryal). It was established that
by creating certain conditions it is possible to control

Card : 1/2

HAMORI, D.

Hungarian system for investigation of breeding horses from the point of view of their work capacity and results up to now: excerpts from a candidate's thesis, p. 297, Magyar Tudományos Akademia, Agrártudományok Osztálya, KOZLEMENYEI, Budapest, Vol. 7, No. 1/3, 1956

SOURCE: East European Accessions List (EEAL) Library of Congress, Vol. 5, No. 11, November 1956

HAMORI, D.

Hungarian system of determining the work capacity of horses; also, remarks by Gyorgy Banos and others. p. 291. (Koslemanyai, Budapest, Vol. 4, no. 3/4, 1954)

SO: Monthly list of East European Accessions (EEAL), IC Vol 4, no. 6, June 1955 Uncl

HAMORI, Artur, Sr.

Care of patients with kidney diseases. Orv. hetil. 106 no.47:
2209-2215 21 N '65.

I. Pecsí Orvostudományi Egyetem, II. Belklinika (igazgató:
Hamori, Artur, dr.).