

KRAL, J.; PETER, R.; SISTEK, J.; VESELY, K.

Gynecological surgery in childhood. Cesk. gynek. 29 no.5:
384-387 Je'64

1. Katedra j r. a gyn. dospelych a deti pri fak. det. lek.
KU [Karlovy university] v Praze; vedouci prof. dr. R.Peter.
DrSc.

PETER, R.; FUCHS, V.; HOUDEK, J.; SCHOLZOVA, D.

Treatment of urinary incontinence with a transverse urethral
roll. Cesk. gynek. 29 no.5:370-371 Je'64

FUCHS, V.; HOUDEK, J.; PETER, R.; SCHOLZOVA, D.

Suspension of the vaginal stump on lengthened round ligaments.
Cesk. gynek. 29 no.5:333-335 Je'64

1. Gyn.-per. klinika fakulty detskeho lek. KU [Karlovy univer-
sity] v Praze; prednosta: prof. dr. R.Peter, DrSc.

PETER, R.; CERNOCH, A.; CHMELIK, V.; PADOVEC, J.; SEBEK, V.; SNAID, V.; VACHA, K.

Therapy of cervical changes as a method for the prevention of malignant degeneration. Cesk. gyn. 24[38] no.7:527-530 S '59.
(CERVIX UTERI neopl.)

PETER, R.

Problem of genital trichomoniasis. Akush.i gin. 35 no.5:9-98
S-0 '59. (MIRA 13:2)

1. Iz kafedry akusherstva, ginekologii vzroslykh i detey (zavedu-
yushchiy - doktor med.nauk prof. R. Peter) pediatricheskogo fakul'-
teta Karlova universiteta (Praha).
(TRICHOMONAS INFECTIONS)

PETER, Rudolf

Vaccinal vulvitis. Cas.lek.ceak. 98 no.51/52:1608-1609 24 D '59.

1. Katedra porodnictvi, gynekologie dospelych a deti pediatricke fakulty KU v Praze, prednosta prof.dr. Rudolf Peter.

(VACCINIA compl.)

(VULVITIS etiol.)

PETER, R.; ERLACHER, R.

Osteoid-osteoma arthritis. Acta chir. orthop. traumat. czech. 27 no.2:
188-195 1960

1. Aus dem orthopadischen Spital Wien (Director: Prof. Dr. Philipp
J. Erlacher).

(HIP neopl.)
(OSTEOMA OSTEOID compl.)
(ARTHRITIS compl.)

PETER, R. (Praha-Vinohrady, Londynska 41); VESELY, K.

Guidelines for the study of climacteric involution of the female genitalia. Cesk. gynek. 30 no.6:489-491 Ag 1-5.

1. III. gyn.-por. klin. a oddel. pro detskou gynekologii, podiat. fak. Karlovy University v Praze. Submitted April 1, 1965.

PETER, R.; KRAL, J.; SISTEK, J.; VESELY, K.

Prevention of thromboembolism in gynecology and obstetrics.
Cesk. gyn. 28 no.4:230-234 My '63.

1. III gyn.-por. klin. pediatr. fak. KU v Praze, prednosta
prof. dr. R. Peter, DrSc.

(THROMBOEMBOLISM) (GYNECOLOGY)
(PUERPERAL DISORDERS)
(ELECTROCARDIOGRAPHY)
(PULMONARY EMBOLISM)
(POSTOPERATIVE CARE)

PETER, Rozsa

On the recursiveness of some translation transformations. Mat
kut kozl MTA 7 series A no.3:373-384 '62.

8/044/62/000/012/001/049
A060/A000

126570

AUTHOR: Péter, Rózsa

TITLE: On a recursion scheme of Hu Shin-Hua

PERIODICAL: Referativnyy zhurnal, Matematika, no. 12, 1962, 10, abstract 12A59
(Ann. Univ. scient. budapest. Sec. math., 1960 - 1961, v. 3 - 4, 227 - 232; German)

TEXT: A simpler proof is given for the primitive recursiveness of the function specified by Hu Shin-Hua's scheme (RZhMat., 1957, 51). Then the following generalized Hu Shin-Hua scheme is constructed:

$$A(f; n, a_1, \dots, a_r) = \prod_{i=0}^n f(i, a_1, \dots, a_r),$$

$$\prod_{i=0}^0 f(i, a_1, \dots, a_r) = F_0(f, \gamma_1, \dots, \gamma_k; 0, a_1, \dots, a_r),$$

Card 1/2

On a recursion scheme of Hu Shin-Hua

S/044/62/000/012/001/049
A060/A000

$$\begin{aligned}
 & \sum_{i=0}^{n+1} f(i, a_1, \dots, a_r) = \\
 = & \beta \left(n, a_1, \dots, a_r, \sum_{i=0}^n F_1(f, \gamma_1, \dots, \gamma_k; i, a_1, \dots, a_r), \dots \right. \\
 & \left. \dots, \sum_{i=0}^n F_1(f, \gamma_1, \dots, \gamma_k; i, a_1, \dots, a_r) \right),
 \end{aligned}$$

where a_1, \dots, a_r are parameters, and $F_1(f, \gamma_1, \dots, \gamma_k; i, a_1, \dots, a_r), \dots, F_1(f, \gamma_1, \dots, \gamma_k; i, a_1, \dots, a_r)$ are norms of the substitutions. The same method is used to prove that the function $\alpha(n, a_1, \dots, a_r) = A(\gamma; n, a_1, \dots, a_r)$ is primitive recursive with respect to $\beta, \gamma, \gamma_1, \dots, \gamma_k$.

B.T. Rumov

[Abstracter's note: Complete translation]

Card 2/2

PETER, Rozsa

Data on the recursivity of the notion of mathematical gram-
mars. Mat kur kozl MTA 8 A series no.1/2:213-228 '63.

PETER, Rozsa

Programming and partial recursive functions. Acta mat Hung
14 no.3/4:373-401 '63.

1. Mathematisches Institut, Eotvos Lorand Universitat, Buda-
pest. Vorgelegt von Laszlo Kalmar.

S/044/62/000/008/002/073
C111/C333

AUTHOR: Péter, Rózsa

TITLE: Primitive-recursive word relations in the programming code
"Algol 60"

PERIODICAL: Referativnyy zhurnal, Matematika, no. 8, 1962, 12,
abstract 8A67. ("Magyar tud. akad. Mat. kutató int.
közl.", 1961, 6, no. 1-2, 137-144)

TEXT: It is shown that the functions and predicates defined in
the code "Algol 60" are primitive-recursive in the sense of the
author's paper (Ref. 8A65).

[Abstracter's note: Complete translation.]

Card 1/1

S/044/62/000/008/C01/073
0111/C333

AUTHOR: Péter, Rózsa

TITLE: On the generalization of the theory of recursive functions for abstract sets of appropriate structure as domain of definition

PERIODICAL: Referativnyy zhurnal, Matematika, no. 8, 1962, 12, abstract 8A66. ("Acta math. Acad. scient. hung.", 1961, 12, no. 3-4, 271-314)

TEXT: Let the sub-set H_0 and a certain ensemble F of on H defined functions be distinguished in a certain set H . Further, let H_{i+1} ($i=0, 1, \dots$) be defined as the sets of the values of the functions from F , if their arguments cover the set $\bigcup_{j=0}^i H_j$; further, let the n_i have pair-wise empty intersections and let their union be H . Then H is called a "free holomorphic set". The concepts of the primitive recursive, general recursive and partially recursive functions are introduced on a free holomorphic set on the basis of a certain ensemble G of basic functions

Card 1/2

PETER, Rudolf, prof.; VESELY, Karel, dr. Sc.

Roentgenological diagnosis in pediatric gynecology. Cesk. gyn. 26
no.3:186-188 Ap '61.

1. III sen. klin. Pediatricka fakulta KU, prednosta prof. MUDr.
R. Peter, Dr. Sc.

(GENITALIA FEMALE radiog)

PETER, R.

60th anniversary of Vaclav Sebek. Cesk. gyn. 26[40] no.10:721-727
D '61.

(BIOGRAPHIES)

PETER, Rozsa (Budapest)

Data on the generalization of the theory of recursive functions for the abstract sets of proper structure within the range of definition.
Acta mat Hung 12 no.3/4:271-314 '61.

1. Vorgelegt von Laszlo Kalmar.

PETER, Rossa

Primitive-recursive word relationships in the "Algol 60" programming language. Mat kut kozl MTA 6 no.1/2:137-144 '61

(Calculating machines) (Algorithm)

PETER, Rudolf, Prof., Dr. Sc.

Introduction to the treatment of genital discharge. *Cesk. gyna.*
26[40] no.4:239-240 '61.

~~✓~~ (LEUKORRHEA ther)

ČEKVA, Lubor, RNDr.; PETER, Rudolf, prof., Dr. Sc.; SEBEK, Václav, Doc.

Discharges in the menopause. Česk. gyn. 26[40] no.4:281-284 '61.

(LEUKORRHEA) (MENOPAUSE compl)

PETER, Rudolf, Prof., Dr.Sc.; JIROVEC, Otto, akademik; TRNKA, Vaelav, doc.;
ZIZKOVA, Alena

Instructions regarding a correct microbial evaluation in the 3d
microbial vaginal picture with a reference to the interruption of
pregnancy. Cesk. gyn. 26[40] no.4:288-289 '61.

1. III.Zenska klinika FDLKU, prednosta prof. MUDr. Rudolf Peter,
Dr.Sc.

(ABORTION THERAPEUTIC) (VAGINA microbiol)

SEHEK, V., Doc; FANTOVA, B.; GREGOROVA, B.; JERABKOVA, V.; PAUKOVA, A.;
PETER, R., Prof., Dr.Sc.; POHUNEK, M.; REPISTAK, J.; VOJTA, M. doc.

Treatment of vaginal discharges in adult women. Cesk. gyn. 26[40]
no.4:260-265 '61.

(LEUKORRHEA ther)

PETER, Rudolf, Prof., Dr. Sc.

Physiology and pathology of puberty. *Cesk. gyn.* 25[39] no.1/2:50-52
Mr '60.

1. III. por. klinika KU, prednosta prof. MUDr. R. Peter, Dr. Sc.
(PUBERTY)

PETER, R.

Signs for the registration of colposcopic findings. *Cesk. gyn.*
24[38] no.7:507-510 S '59.

1. Gyn. por. klin. lek. fak. ped. KU v Praze, prednosta prof.
dr. R. Peter, doktor lekarskych ved.
(ENDOSCOPY)
(MEDICAL RECORDS)

PETER S.

HUNG.

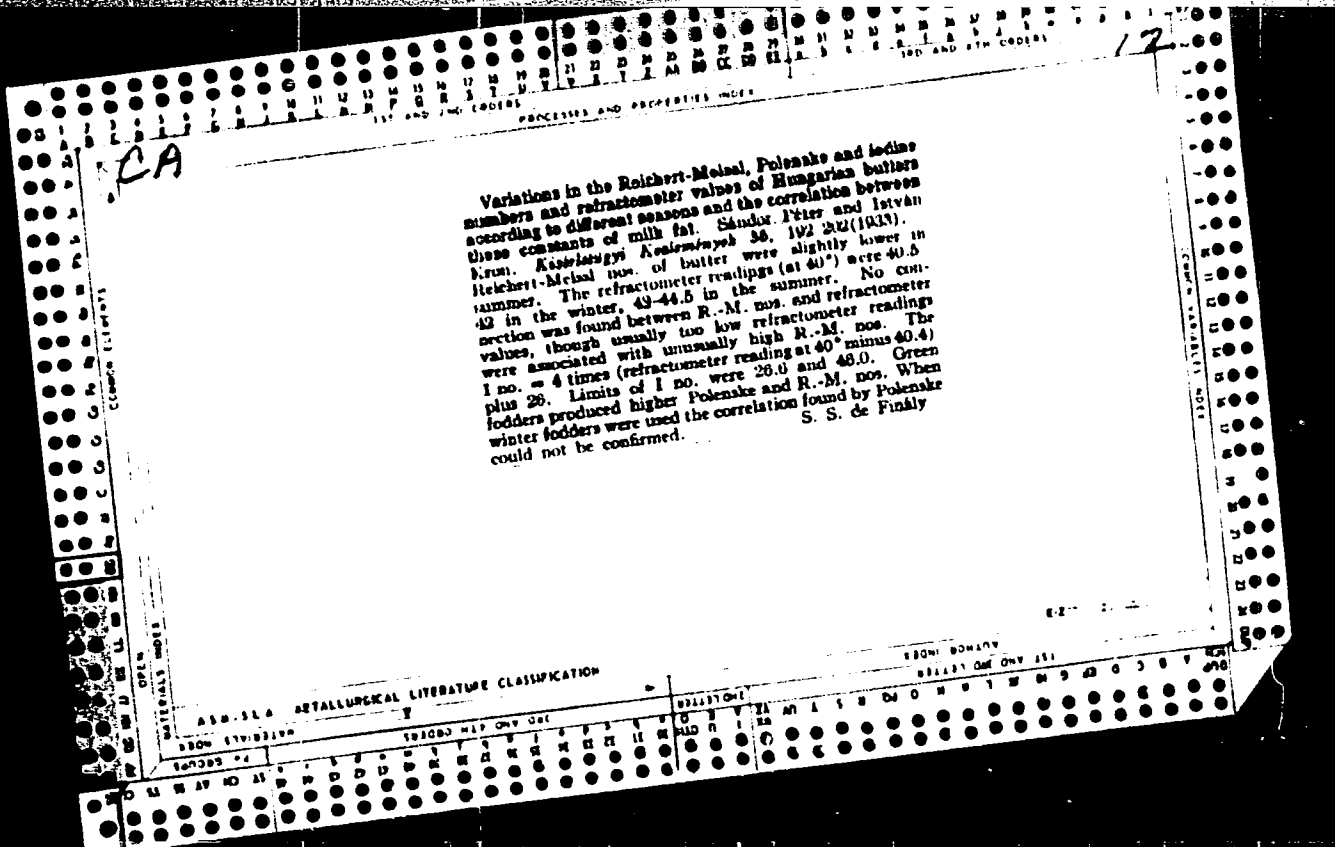
100. Prevention of the rapid microbial deterioration of butter made from sweet cream on the basis of a new theory of working — S. Péter. (*Élelmiségi Ipar* — Vol. 8, 1954, No. 3, pp. 236—242, 1 tab.)

The rapid deterioration of sweet cream butter is induced by heat resistant bacteria which are partly psychrophilic. This deterioration can be prevented by working the butter for 40—50 min with worker rolls. The author assumes that during the working the moisture drops break up into smaller ones embedding themselves into the free fat and flatten into a thin film by the pressure, thereby greatly enlarging their surfaces. In this way the bacteria get very close to the water-fat boundary where they are retained by adhesion and then finally enter the butter oil. The surface effect clarifies the buttermilk drops. The opposite process takes place in the reworking and in the printing of butter in a brittle state inasmuch as the walls consisting of free fat which separate the adjacent moisture drops break, the small drops unite into larger ones which are reflected during the destruction of the structure. For this reason the butter should be reworked or printed in a plastic state. The formation of fine moisture and the deterioration of butter are the easiest to avoid when the butter is worked with rolls during the time the butter has the highest moisture absorption capacity. On the contrary, butter worked in a rollless churn by means of repeated dropping is approximately saturated with moisture drops at 12—14 °C, as the tiny moisture drops are also broken up by the shocks. Because the walls of fat which isolate the moisture drops are thin, they break easily and therefore butter of this kind is apt to let off water.

PETER, S.

"Preventing Fast Microbic Deterioration of Butter Made From Sweet Cream
By A New Method of Kneading", P. 236, (ELELMEZESI IPAR, Vol. 8, No. 8,
Aug. 1954, Budapest, Hungary)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12,
Dec. 1954, Uncl.



PETER, Tiborne

Making front surfaces resistant to water by using silicon. Magy ep
ip 10 no.3:136-139 '61.

PETER, V., inz., C.Sc.; GAZO, Mikulas, inz., C.Sc.; MARGINKA, K., inz.

Experiment with eggshell quality improvement by enrichment of feeds. Vestnik vyzk zemedel 9 no.11:520 '62.

1. Vyskumny ustav pre chov hydiny, Ivanka pri Dunaji.

PETER, Viktor

GYENES, Vilmos, dr.; TOTI, Istvan, dr.; PETER, Viktor, dr.

Wire sutures in the treatment of jaw fractures. Fogrov. szemle
47 no.5:138-140 May 54.

(MANDIBLE, fractures
wire suturing)

(FRACTURES
jaws, wire suturing)

PETER, Vladimir, inz., Sc.C.

Varying feeding of chickens and young hens. Vest vyzk zemedel 9
no.12:553-555 '62.

1. Vyskumny ustav pre chov hydiny, Ivanka pri Dunaji.

YUGOSLAVIA / Farm Animals. Poultry.

Q-6

Abs Jour : Ref Zhur - Biol., No. 14, 1958, No 64534

Author : Peter, Vladimir

Inst : Not given

Title : Growth and Development of Chicks and Hens under the
Influence of Different Methods of Feeding.

Orig Pub : Polnohospodarstvo, 1957, 4, No. 4, 711-748

Abstract : The results of the study of the growth and development of chicks under the influence of the use of concentrates and bulky foods, multiple and sparse (2-3 times daily) feeding, the use of a bell during feeding, artificial lighting, and feeding during night hours, are described. The control group of chicks was receiving concentrated feeds many times daily. The use of the above-named methods of feeding had no adverse effect on the health and did not increase the loss of chicks.

Card 1/2

YUGOSLAVIA / Farm Animals. Poultry.

Q-6

Abs Jour : Ref Zhur - Biol., No 14, 1958, No 64560

Author : Peter, Vladimir

Inst : Not given

Title : Achievements and Survey of the State of Work in Raising Broilers.

Orig Pub : Nas chev, 1957, No. 18, 501-503

Abstract : A survey of works on the rearing and fattening of cockerels and young hens for meat in the U.S.A., Denmark, Holland, England, Germany, Switzerland, and Czechoslovakia, with indications of the size of production, breeds used, age limit at slaughter, feed rations, and conditions of management, is given.

Card 1/1

PETER, Vladimir, inz., ScC.

Progress of world poultry science in the field of nutrition and feeding. Vest ust zemedel 10 no.5:177-181 '63.

1. Vyskumny ustav pre chov hydiny, Ivanka pri Dunaji.

Country : Czechoslovakia
 Institute : Farm Animals, Poultry. Q-4
 Author : RBEch., No. 4, 1959, No. 16739
 Author : Peter, Vladimir
 Institut. :
 Title : The Effect of Lucerne Silage on the Production and Health of Chickens.
 Jour. Pub. : Polnohospodarstvo, 1957, 4, No 6, 1110-1133
 Abstract : Twenty-five to 40 g of lucerne silage were included into the ration of the experimental layer hens of the white Leghorn breed and carrots into the ration of the control hens. At the end of the egg-laying period the following results were obtained: the experimental hens laid on the average 176.82 eggs; the control hens 164.24 eggs; the average egg weight amounted for the year to 57.7 and 58.35 g; hatching per number of laid eggs amounted to

Card: 1/2

64

BALLA, Imre, dr.; PETER, Zoltan, dr.

Case of a cervico-laqueatic or cervico-vaginal fistula. Magy.
noorv. lap. 19 no.4:255-256 July 56.

1. Miskolc Varosi Tanacs Korhaza (Igazgato: Foldesi, Jozsef, dr.)
Szuleszethogyaszati osztalyanak (Foorvos: Balla, Imre, dr.)
kozlemenye.

(CERVIX, UTERINE, fistula
cervicovaginal, case report (Hun))

CZECHOSLOVAKIA

KITPNAR, E.; SRBOVA, H.; PETERA, A.; Institute for Sera and Vaccines (Ustav Ser a Ockovačich Laték), Prague.

"A Pelletizing Method of Freezing in the Lyophilization of Biological Materials."

Prague, Ceskoslovenska Farmacie, Vol 15, No.5, Jun 66, pp 262-263

Abstract [Authors' English summary modified]: The method is based on the use of light petroleum as a freezing medium; the lyophilizate is frozen, dried, stored and transported in small vessels. Promising results were obtained in sera, natural animal sera, and guinea pig complement. The method is used at present in the production of immunological preparations. 2 figures, 4 western references. (Manuscript received 10 Sep 65).

1/1

CZ/4-60-3-18/44

AUTHORS: Foukal, Zdeněk, Doctor; Petera, Arnošt, Engineer; Prošek, Josef, Engineer

TITLE: Results Obtained by Low-Temperature Drying.

PERIODICAL: Nová Technika, 1960, No. 3, pp. 127 - 130

ABSTRACT: The authors inform on various equipment for low-temperature drying, displayed at the hall "Z" of the First International Trade Fair in Brno by the n.p. Frigera Kolín (Frigera Kolín, People's Enterprise), respectively by the Motokov Export Enterprise. The "KS 6" type cryogenic drying equipment works on the principle of lyophilization. A detailed definition of the term lyophilization follows. Figure 1 shows a schematic of the "KS 6" type cryogenic drying equipment; Figure 2 shows a section of the same equipment, i.e. the mechanism for the rotatory freezing; and Figure 3 a full view of the "KS 6" equipment. A table (p. 128) gives data on the absolute dependence of steam on temperature in the course of the lyophilization process; a certain temperature of condenser causes always a certain vacuum. A description of the lyophilization follows, containing data on the freezing, drying and condensation processes and the appropriate equipment.

Card 1/2

PETERA, A.; NEKVASILOVA, K.; JERABEK, O.

Cultivation of *Cor.diphtheriae* in a semi-synthetic medium. *Cesk. epidem.mikrob.imun.*10 no.1:24-30 Ja '61.

1. Ustav ser a ockovacich latek v Praze.
(*CORYNEBACTERIUM DIPHTHERIAE* culture)

Military Medicine

CZECHOSLOVAKIA

UDC 356.33:615.4

PETERA, Jiri; Chair of Organization of Military Medicine (Katedra Organizace Vojenskeho Zdravotnictvi) VLVDU JEP /Abbreviation not explained/, Hradec Kralovo.

"Military Pharmaceutical Service and its Tasks."

Prague, Vojenske Zdravotnicke Listy, Vol 35, No 3, Jun 66, pp 99 - 102

Abstract: The development of Military Pharmaceutical Services is reviewed and the difference between the normal and military pharmaceutical tasks described. Research and development of military pharmaceutical science is discussed; the research should concentrate on such drugs that are not normally available and would be needed in a future war. Securing of the necessary medical supplies during a military conflict should be studied. Training of personnel for war-time pharmaceutical duties should be provided; this should include familiarization with medical supplies that may be captured from a potential enemy. No references.

1/1

1/1

CZECHOSLOVAKIA

UDC 355.01:615.47:614.48

PETERA, Jiri; Department of Organization of Military Medical Services (Katedra Organizace Vojenskeho Zdravotnictvi); ERICHEL, Milos; Department of Military Epidemiology (Katedra Vojenske Epidemiologie) VLVDU JEP /Abbreviation not explained/.

"About Accelerated Sterilization of Surgical Instruments in the Medical Rear of the Army Under Field Conditions."

Prague, Vojenske Zdravotnicke Listy, Vol 36, No 1, Feb 67, pp 7 - 12

Abstract: A 5 minute boiling of surgical instruments in a solution of 1% Ajatin, 2% formaldehyde, 1% Septonex, and 5% sodium carbonate destroys both vegetative and sporulating microbes. A 2 hour immersion in a solution of 1% formaldehyde, 1% Septonex, and 0.2% Famosept is equally effective. Optimum results were obtained by boiling in a solution of 1% Septonex, 1% sodium carbonate, and 1/2% sodium nitrite, followed by storage in a 5% solution of sodium carbonate. 8 Tables, 2 Czech references.

1/1

PETERA, V.; KARLICEK, V.; TOMSI, F.

Lupoid hepatitis. Cas. lek. cesk. 102 no.20:540-544 17 My '63.

1. Klinika chorob vnitřnich lékařské fakulty KU v Plzni, před-
nosta prof. dr. K. Bobek.

(HEPATITIS) (AUTOIMMUNE DISEASES)

PETERA, V.

HOBEJSI, M.; PETERA, V.

Homologous serum hepatitis. Cas.lek.cesk. 89 no.16:464-466 21 Ap '50.
(CML 19:2)

1. Clinic for Internal Diseases of Medical Faculty of Charles University, Branch in Pilsen (Pilsen (Head -- Prof. Jiri Scheiner, M.D., deceased)).

PETRA, V.

Thymol turbidity test in obstructive jaundice. Cas. lek. cesk.
89 no.34:948-951 25 Aug. 1950. (CIML 20:1)

1. Of the Clinic of Internal Diseases in Pilsen (Acting Head--
Docent K. Bobek, M. D.), Work Group of Docent A. Mecal, M. D.

PETERA, V.

Prolonged follow-up in infectious jaundice. Prakt. lek., Praha
31 no. 12:262-267 20 June 1951. (CML 22:3)

1. Of the Clinic of Internal Diseases (Head--Docent Karel Bobek,
M. D.)

PETERA, Vojtech, MUDr

Liver function test. Prakt. lek., Praha 34 no.23:525-529 5 Dec 54.

1. Z kliniki chorob vnitrnich v Plzni; prednosta doc. MUDr k. Bobek.
(LIVER FUNCTION TESTS)

Petera, V.

CZECH

✓ Estimating the working ability after infectious hepatitis. The influence of work load on the blood level of lactic acid and on some respiratory functions. A. Mecl, V. Petera, V. Lahn, and J. Kubicek (Klin. chorob vnitřních, Písek, Czech.). *Časopis Lékařů Českých* 93, 2707-2710 (1948), 48, 1303/7g. — The curves of lactic acid (L) levels in blood, pulmonary ventilation, and O₂ intake were studied in 20 subjects with infectious hepatitis after a load of 5 kg. work/kg. body wt. The L curve after exertion was elevated and prolonged in patients with hepatitis and in posthepatitis states. The ability of the liver to synthesize glycogen from L recovers more slowly than the other liver-function tests. L was estd. as ACh by the veratrole method. I. M. H.

3

PETERA, V.

Influence of physical work upon the lactic acid level in infectious hepatitis. A. MacI, V. Petera, V. Lahn, and J. Kubicek (Med. Clinic, Pilsen, Czechoslovakia). *Acta Med. Scand.* 149, 311-16 (1954). --With the same amt. of work (6 kg./kg. body wt.) the blood level of lactic acid increases much more in persons suffering from infectious hepatitis than in healthy persons, and this elevation persists during convalescence. The lactic acid which the liver has been unable to remove affects unfavorably the efficiency of the work. The CO₂ liberated from the serum bicarbonate causes hyperventilation. All this is regarded as the main cause of the lassitude experienced in the acute stage of infectious hepatitis and in convalescence. S. Morgulis.

PETERA, Vojtech, MUDr.

Therapy of acute infectious hepatitis with calcium gluconate
Sandoz and magnesium sulfate Spofa. Cas. lek. cesk. 94 no.21:
571-574 20 May 55.

1. Z kliniky chorob vnitřnich v Pizni. Prednosta doc. MUDr.
K. Bobek.

(HEPATITIS, infectious, therapy
calcium gluconate & magnesium sulfate)

(CALCIUM
gluconate, ther. of infect. hepatitis)

(MAGNESIUM SULFATE, ther. use
hepatitis, infect.)

MECL, A.; PETERA, V.; LAHN, V.

Effect of physical effort on respiration in infectious hepatitis. Cas. lek. cesk. 94 no.39:1044-1047 23 Sept 55.

1. Z Interni kliniky a ustrednich laboratorii KUNZ v Plzni.
(HEPATITIS, INFECTIOUS, physiology,
eff. of effort on resp. in.)
(RESPIRATION, in various diseases,
hepatitis, infect., eff. of effort.)
(EXERCISE, effects,
on resp. in infect. hepatitis.)

PETERA, Vojtech, MUDr.

Physician's experience with jaundice during pregnancy. Cesk.
gyn. 21 no.5:310-314 Sept 56.

1. Klinika chorob vnitřnich v Plzni, přednosta prof. MUDr. K. Bobek.
(PREGNANCY, complications
hepatitis, infect., clin. statist. (Cz))
(HEPATITIS, INFECTIOUS, in pregnancy
clin. statist. (Cz))

REF 785741

MECL, A.; PETERA, V.; LAHN, V.

Studies on a method of determination of working capacity in infectious hepatitis; clinical use of blood lactic acid and of certain respiratory functions following work load in evaluation of convalescence following infectious hepatitis. Cas. lek. cesk. 96 no.14:429-433 4 Apr 57.

1. Klinika chorob vnitřních a ústřední laboratorie KUNZ v Plzni.
(HEPATITIS, INFECTIOUS, physiology,
blood lactic acid & resp. index after work load in
convalescence (Cz))
(LACTIC ACID, in blood,
in convalescence after infect. hepatitis, after
work load (Cz))
(RESPIRATION, function tests,
in convalescence after infect. hepatitis, after work
load (Cz))

BOBEK, Karel; PETERA, Vojtech; LAHN, Vilem; JINDRA, Jaroslav; Karlicek, Vaclav,
SPEVACKOVA, Jarmila, Technicka spoluprace.

Transaminases in infective hepatitis. Cas. lek. cesk. 96 no.51:1571-
1576 20 Dec 57.

1. Klinika Chorob vnitrnich (prednosta prof. Dr K. Bobek) a infekcni
oddeleni KUNZ (prednosta prim. Dr J. Hdaril) v Plzni.

(HEPATITIS, INFECTIOUS, in blood

glutamic oxalacetic & glutamic pyruvic transaminases,
diag. value (Cz))

(TRANSAMINASES, in blood

glutamic oxalacetic & glutamic pyruvic transaminases in
infect. hepatitis, diag. value (Cz))

BOBEK, Karl; PETERA, Vojtech; LAM, Vilem; JNDRA, Yaroslav [Jndra, J.];
KARLICHK, Vyacheslav; SPEVACHEK, Yarmilo [Spevaček, J.]

Transaminases and Botkin's disease [with summary in English].
Klin.med. 37 no.1:33-40 Ja '59. (NIRA 12:3)

1. Iz kliniki vnutrennikh bolezney (zav. - prof. K. Bobek) i in-
fektsionnogo otdeleniya Oblastnogo isnitituta narodnogo zdravookh-
raneniya (zav. I. Zdrzhil) v Pil'sene (Chekhoslovakiya).

(HEPATITIS, INFECTIOUS, blood in
glutamic oxalacetic & glutamic pyruvic transaminases
(Rus))

(TRANSAMINASES, in blood
glutamic oxalacetic & glutamic pyruvic transaminases
in infect. hepatitis (Rus))

PETRA, Vojtech (Plzen, Dobrovskeho 3.)

Results of treating hepatic coma with intravenous infusions of sodium-l-glutamate. Cas. lek. cesk. 98 no.4:107-110 23 Jan 59.

1. Klinika chorob vnitřních v Plzni, přednosta prof. dr. K. Bobek.
(HEPATIC COMA, ther.
monosodium-l-glutamate, admin., intravenous infusion (Cz))
(GLUTAMATES, ther. use
hepatic coma, intravenous infusion of monosodium-l-glutamate
(Cz))

PETERA, V.; LAN, V.

Increased aminopherase activity of the blood serum after the
administration of methyltestosterone. Terap.arkh. 32 no.11:
29-30 N '60. (MIRA 14:1)

1. Iz terapevticheskoy kliniki (zav. - prof. K. Bobek) meditsin-
skogo fakul'teta Karlova universiteta, Pil'zen - Chekhoslovakiya.
(TRANSAMINASE) (TESTOSTERONE)

PETERA, V.; BOBEK, K.; LAHN, V.; technicka spoluprace SPIROCHOVA, J.

Activity of SGOT, SGPT and lactic dehydrogenase in therapy.
Cesk. gastroent. vyz. 15 no.4:241-246 Je '61.

1. Klinika chorob vnitrich v Pizni, prednosta prof. dr. K.Bobek.
(TRANAMINASES blood) (LACTIC DEHYDROGENASE blood)
(TESTOSTERONE rel spds)

PETERA, V.; HULA, J.

Hemodynamic changes in liver cirrhosis. Cesk. gastroent. vyz. 15
no.4:350-354 Je '61.

1. Klinika chorob vnitřních v Pízní, přednosta prof. dr. K. Bobek.
(LIVER CIRRHOSIS physiol) (BLOOD CIRCULATION)

PETRA, V.

1. Liver diseases in pregnancy. (1971). J. Clin. Pathol. 24: 526-527.
1971.

2. Klinika chorob vnitruich lekarstve fakulty Karlovy University
v Praze (prednosta prof. dr. J. Novek [deceased]).

PETERA, V., MUDr.

The clinician's viewpoint on screening for gastrointestinal diseases. Cesk. zdrav. 11 no.4:188-189 '63.

1. Klinika chorob vnitřních, lek. fakulta KU v Plzni.
(GASTROENTEROLOGY) (LIVER FUNCTION TESTS)

CZECHOSLOVAKIA

V. PETERA, V. KARLICEK and F. TOMSI, Internal Medicine Clinic of Medical Faculty of Charles University (Klinika chorob vnitřních lékařské fakulty Karlovy University) Head (prednosta) Prof. Dr. K. BOBEK, Pízen.

"Lupoid Hepatitis."

Prague, Casopis Lekarů Ceskych, Vol. 102, No. 20, 17 May 63; pp. 540-544.

Abstract [English summary modified]: Case report and discussion - woman aged 38 with chronic hepatic syndrome for the past 14 years; LE cells present. Despite some controversial laboratory results disease is considered auto-immune, "lupoid" hepatopathy on basis of complex argumentation. Two photomicrographs; 1 Czech and 21 Western references.

1/1

PETERA, V.; CHUDACEK, Z.; LAHN, V.; technicka spoluprace VELISKOVA, L.

Effect of methyltestosterone on the secretion of biligradin into
the biliary tract. Cesk. gastroent. vyz. 15 no.4:247-249 Je '61.

1. Klinika chorob vnitřnich v Pizni, prednosta prof. dr. K. Bobek
Centralni rtg oddeleni KUNZ v Pizni.
(CONTRAST MEDIA metab) (TESTERONE rel cpds)
(CHOLANGIOGRAPHY)

h1946

S/194/62/000/009/053/100
D256/D308

AUTHORS: Peteráček, Otakar and Petráčeková, Jana
TITLES: Method for preparing multicomponent luminophores
PERIODICAL: Referativnyy zhurnal, Avtomatika i teleteletransmissiya,
no. 2, 1962, 55, abstract 2-3-109 s (Czech pat., cl.
21 g, 15/25; 21 a', 32/24; 21 f, 85/03; 22 f, 15,
no. 98266, January 15, 1961)

TEXT: The presented method of treating multicomponent luminophores (L) was devised for producing layers with a uniform grain distribution of the various components (C). The method is essentially based on equalizing for various C's the numerical value of the term $r^2(S - s)$ of Stokes' equation, where r is the radius of the particle (for the present problem approximately = radius of the grains of the L), S the specific gravity of L, and s the density of the solution from which L is deposited. The equalizing is attained by a preliminary binding of the grains of any one or all L's included in the layer, by a material which does not disturb the luminescence

Card 1/3

S/194/62/000/009/053/100
D256/D308

Method for preparing ...

of the multicomponent L. The possibilities of the presented method are shown using as an example the preparation of the luminescent layer of the screen of a black and white TV tube, made of ZnCdS:Ag and ZnS:Ag. ZnS:Ag (blue luminescence) in powder form is mixed with water to a gritty consistency, then 3 ml of zinc chloride solution (1 part in 3 parts of water by weight) is added. 10 ml of 12% ammonia is then added to the mixture with stirring, the mixture is allowed to settle and decanted and the residue is washed with water and fired, gradually increasing the temperature to 400°C. It is then washed again with a 0.5% solution of sodium citrate and mixed with the second component. The procedure is completed by pouring the L into the TV tube. Employing an alternative method, the ZnS:Ag is treated as above, the second component (ZnCdS:Ag - yellow luminescence) is mixed with water to form a gritty paste, adding 5 ml of a magnesium sulphide solution (1 part in 2.5 parts of water by weight). 8 ml of 12% ammonia solution is then poured in, stirring all the time. This is followed by a procedure similar to that described in the first alternative method, but the mixture after firing is washed with 0.2% solution of sodium citrate. In

Card 2/3

Method for preparing ...

S/194/62/000/009/053/100
D256/D308

both cases the specific gravities of the grains of both components are equalized so that they settle down in the layer at the same rate. This removes defects, such as uneven luminescence of the screen (more yellow in the center and blue at the edges), or an inferior resolution away from the center towards the periphery. The latter defect is caused by the fact that ZnCdS:Ag grains being heavier, tend to set down at a faster rate and in larger amounts at the center of the screen. [Abstracter's note: Complete translation.]

Card 3/3

SINYUKHIN, A.M., starshiy nauchnyy sotrudnik; PETERBURGSKAYA, Ye.A.

Effect of adenosine triphosphate on the maintenance of
circular movement of protoplasm in the damaged cells of
Nitella. Izv. TSKHA no.2:200-205 '62. (MIRA 15:9)

(~~Adenosine~~ triphosphate)
(Plants--Irritability and movements)

TURKOVA, N.S.; ZHDANOVA, L.A.; PETERBURGSKAYA, Ye.A.

Effect of heteroauxin on nucleic metabolism in plants. Vest.
Mosk.un.Ser.biol., pochv., geol., geog. 14 no.4:25-32 '59.
(MIRA 13:6)

1. Kafedra fiziologii rasteniy Moskovskogo universiteta.
(IDOLEACETIC ACID)
(PLANTS--METABOLISM)
(NUCLEIC ACIDS)

PETERBURGSZKIJ, A.V. [Peterburgskiy, A.V.]; DEBRECZENI, Bela

Examination of the effectiveness of simple and complex fertilizers with different grain sizes and solubilities. I. Agrochem talajtan 9 no.4:453-468 '60.

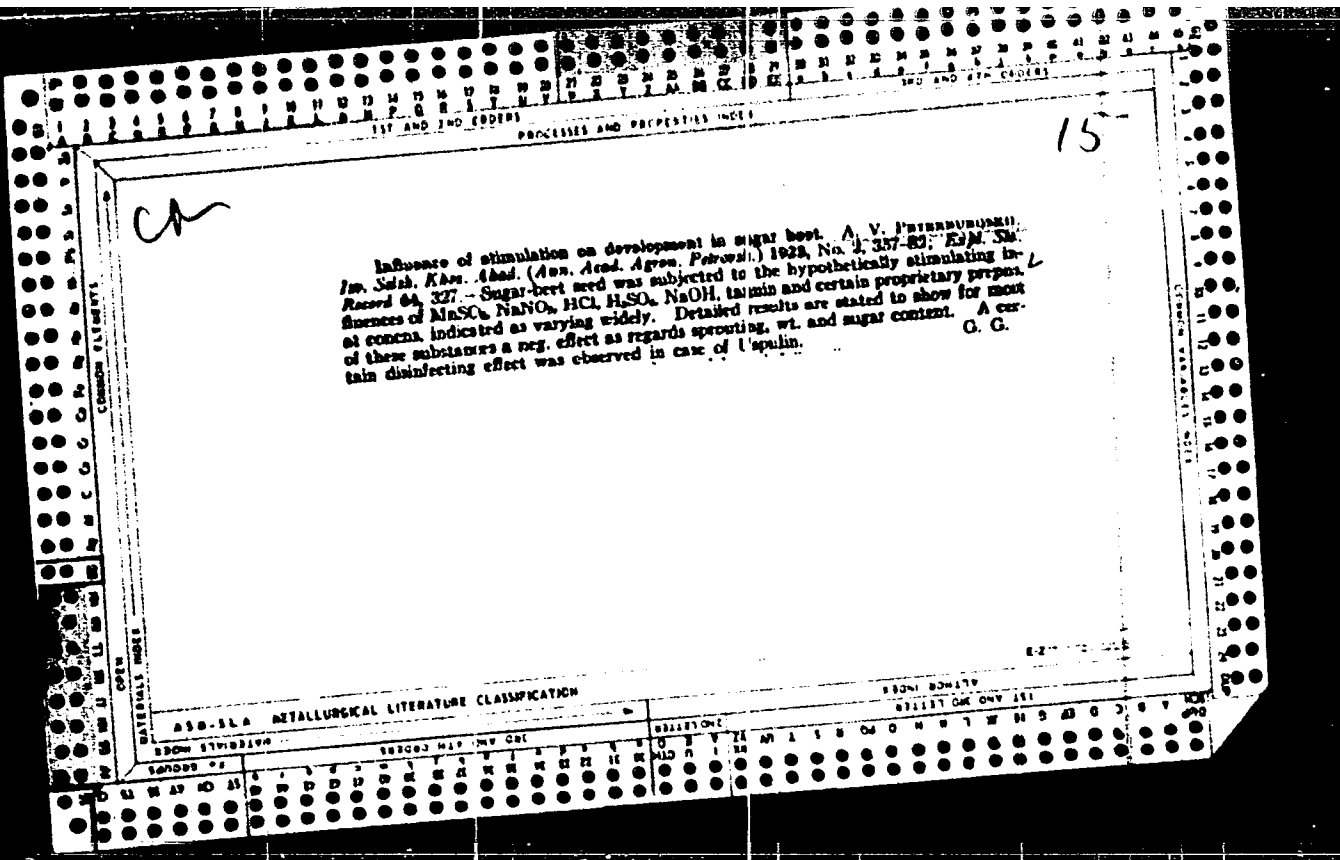
1. Kafedra agrokhemii sel'skokhozyaystvennoy akademii imeni K.A. Timiryazeva, Moskva.

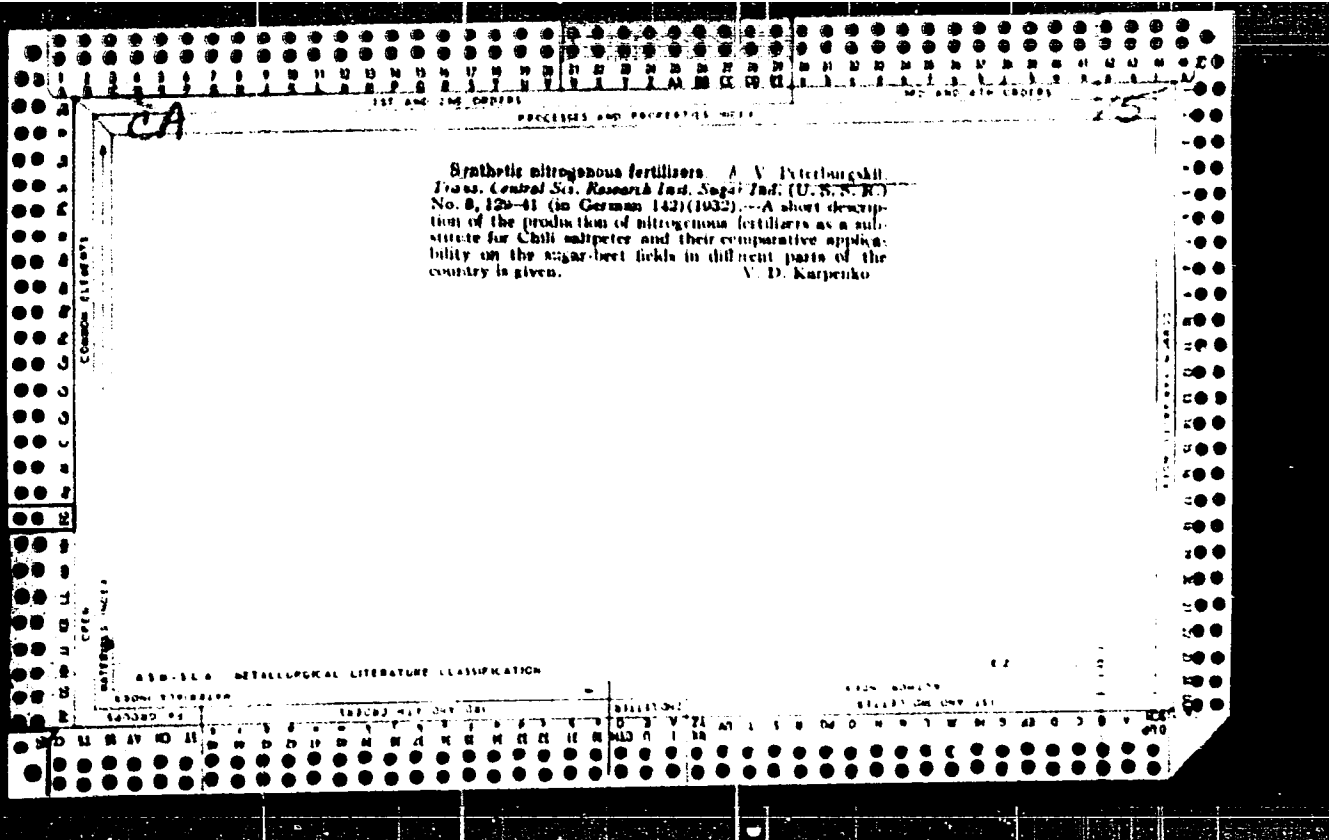
~~PETERBURGSKIY, A.V.~~, doktor sel'skokhozyaystvennykh nauk, prof.;
UTENYSHEV, Yu.P., starshiy nauchnyy sotrudnik

Comparative evaluation of compound and simple fertilizers
for light and sandy soils. Izv. TSKHA no.3:79-82 '62.
(MIRA 15:9)

1. Gomel'skaya oblastnaya sel'skokhozyaystvennaya opytnaya
stantsiya (for Utenyshev).

(Sandy soils)
(Fertilizers and manures)





1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

15

ea

Soil reactions as factor of plant growth. A. V. Peter-
burgskii. *Trans. Central Sci. Research Inst. Sugar Ind.*
(U. S. S. R.) N. 10, 221-43 (in German 244-41) (1954).
The pH has an important influence on the growth of plants
and therefore must be regulated by appropriate liming of
soils. The optimal pH differs with the plants and the soils.
Ca in the soil counteracts the effect of H_2O and acid fer-
tilizers which usually considerably lower the yield of soils
with low Ca content, have no bad effect on soils rich in Ca.
L. Iacovici

3RD AND 4TH ORDERS

ADDITIONAL DETAILLURICAL LITERATURE CLASSIFICATION

FROM BOWEN

RESEARCH UNIT

1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

1ST AND 7TH ORDER

PROCESSES AND PROPERTIES INDEX

1ST AND 4TH ORDER

COMMON ELEMENTS

COMMON VARIABLES INDEX

OPEN

MATERIALS INDEX

ca

Defecation slime as fertilizer for the soils of the sugar-beet zone. A. V. Peterburgskii, S. M. Lyubimov and E. V. Karzina. - *Tranz. Central Sci. Research Inst. Sugar Ind.* (U. S. S. R.) No. 18, 289-321 (in German 321-3) (1934). - Defecation slime acts mostly, especially during the first years after application, as a lime fertilizer. Attempts to increase the N value of the slime were not successful. The absorption of P and potash contained in the slime by plants was more effective than the absorption of N.

15

L. Jacovleff

A 55-31.4 METALLURGICAL LITERATURE CLASSIFICATION

EDM STAVDAP

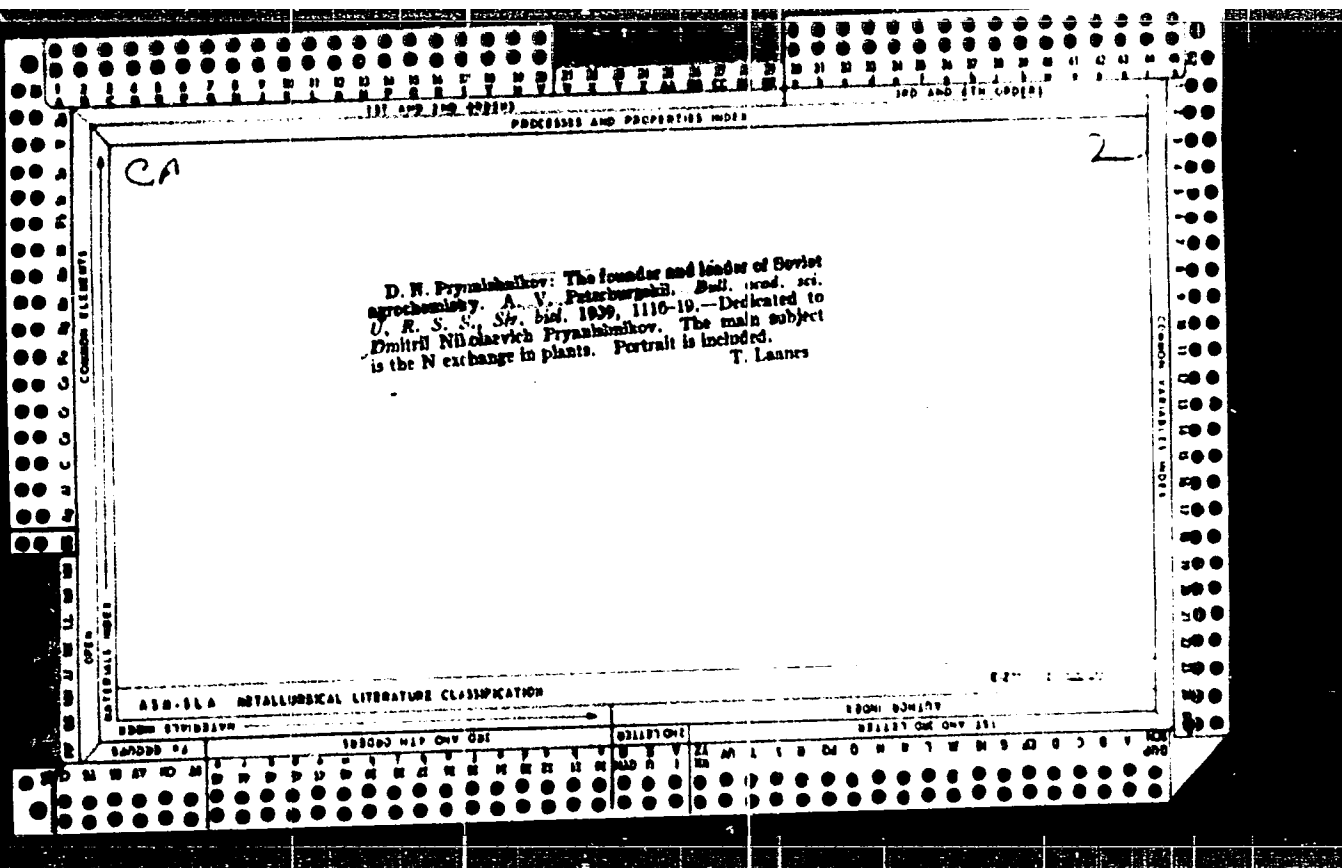
EDM BOMAP

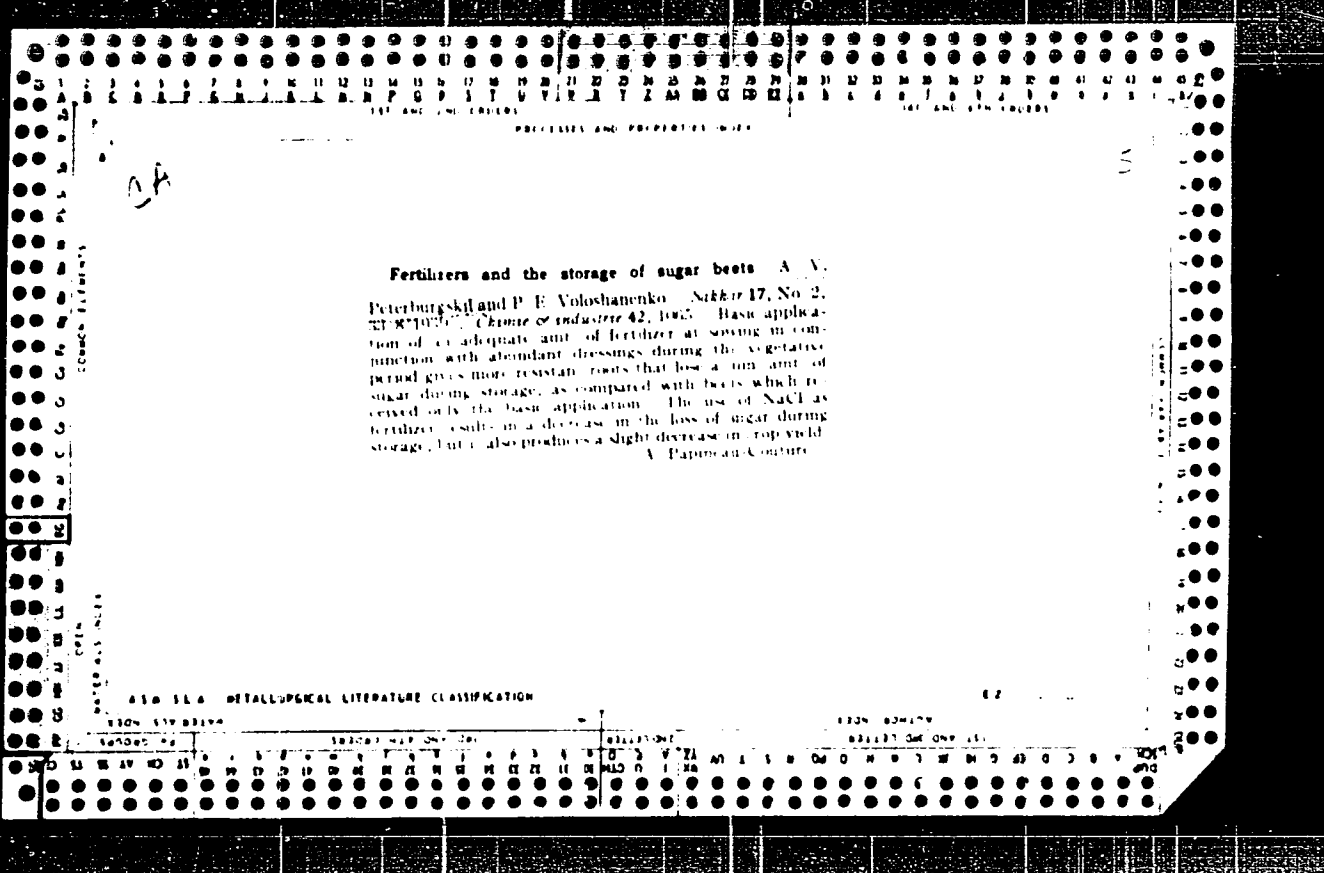
EDM STAVDAP

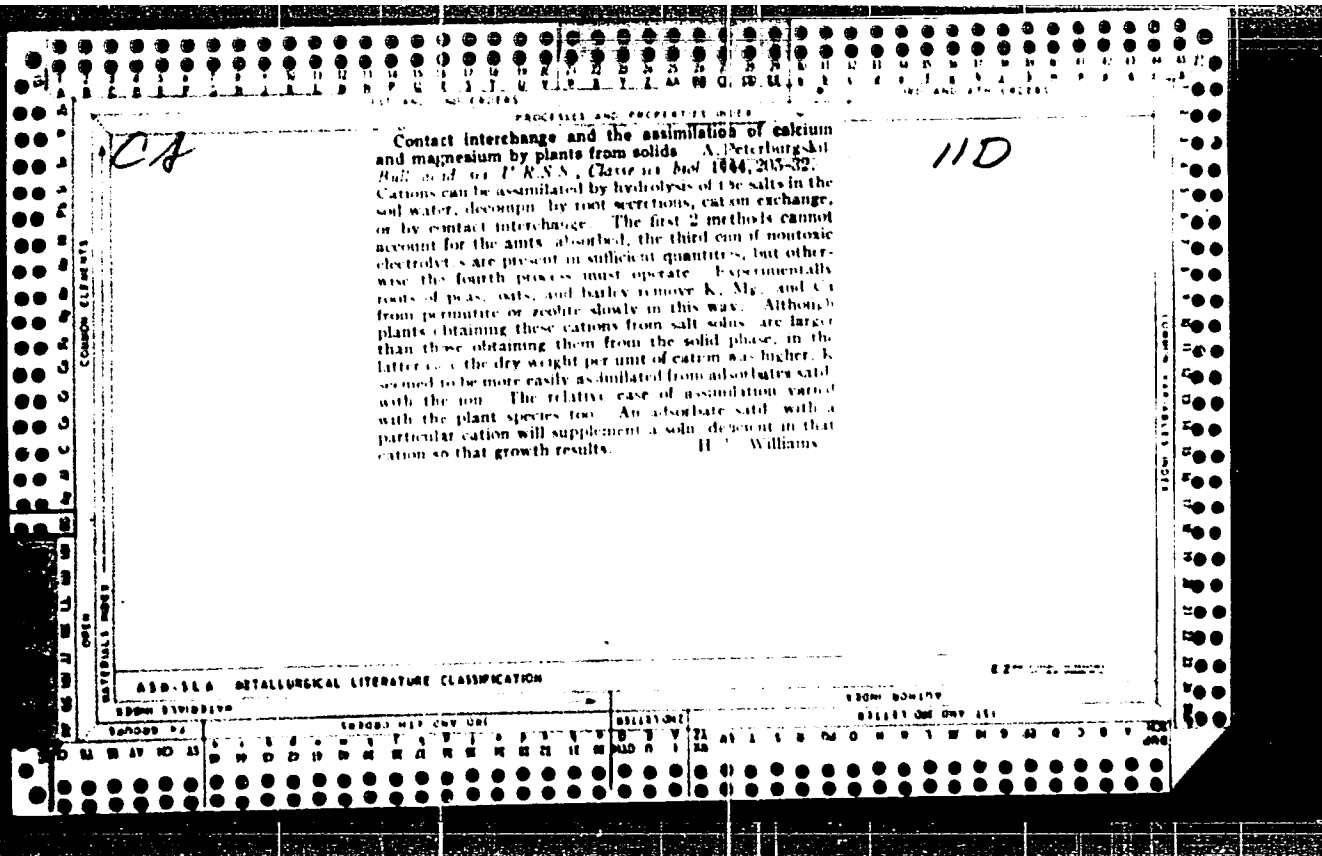
EDM BOMAP

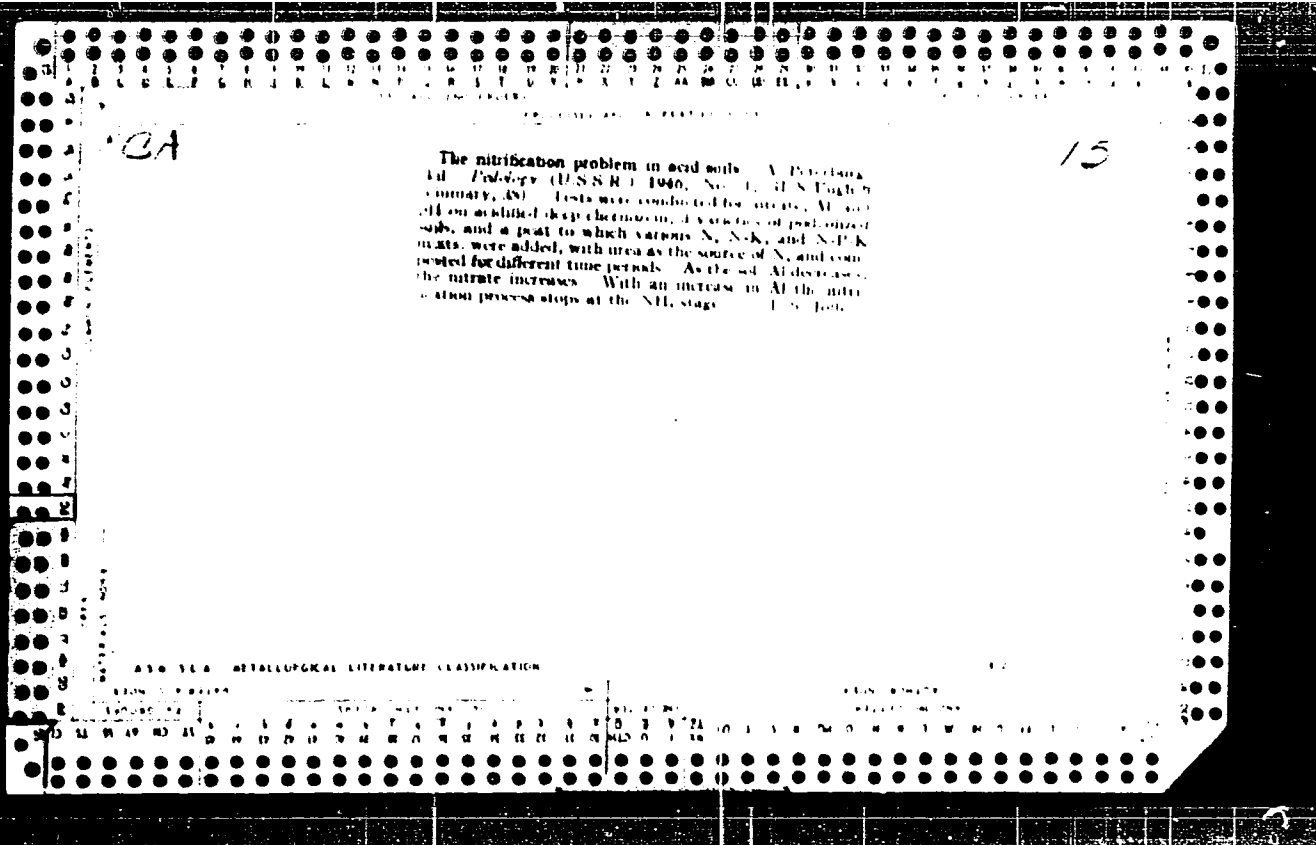
EDM STAVDAP

EDM BOMAP









PETERBURGSKIY, A. V.

Peterburgskiy, A. V. - "On the role of hydrolysis in the assimilation by plants of potassium from clay and other adsorbents", Doklady (Mosk. s.-kh. akad. im. Timiryazeva), Issue 8, 1948, (Index: 1949), p. 110-14.

SO: U-411, 17 July 53, (Letopis 'Zhurnal 'nykh Statuy, No. 20, 1949).

CA

11D

Intake of nutrients by plants in the absence of soluble salts. A. V. Peterburgskii. *Soviet Agron.* No. 7, 63-71 (1948). Barley, sunflower, wheat, and oats were grown in culture media where the nutrients were supplied by the split culture method (growing one half of the roots in solution and the other half in sand with zeolite sand with the nutrient ions). Whereas plants obtain their nutrients more readily from solution they are also capable of obtaining these from the adsorbed state. J. S. Joffe

PETERBURGSKIY, A.

PA 6777

USSR/Medicine - Plants
Medicine - Nutrition

May 1948

"The Nature of Nourishment to Plants at the Expense of Ions From Adsorbents," A. Peterburgskiy, Agrochem Testing Station imeni D. N. Pryanishnikova, Timiryazev Agr Acad, 4 pp

"Dok Ak Nauk SSSR" Vol LX, No 5

Results of tests conducted to determine degree of nourishment furnished by basic cations and anions to plants, especially where such substances were introduced by adsorption. Submitted by Academician D. N. Pryanishnikov 5 Mar 1948.

6877

CA

110

Assimilation of nutrients by oats from solutions and adsorbents. A. V. Peterburgskii (Leningrad, Agr. Acad., Moscow) *TRIZHKA* No. 8, 1950, 70-75-8 (1950).--Comparison of assimilation of N, K, Ca, Mg, sulfate, and phosphate by oat plants from sand cultures contg. either aq. solns of the salts as such or those adsorbed on finely powd. Amberlites showed that when a relatively high level of the latter is used (3 fold in comparison with plain solns.) the assimilation is equiv. in both cases, although Ca and Mg assimilation (eg. as expected of bivalent ions) The results are explained by lessened probability of the root hairs reaching and coming into contact with the individual particles of the adsorbent, which is necessary for ion transfer. G. M. Kosolapoff.

PETERBURGSKIY, A.V.

Praktikum po agrokhimii
(Practical studies in agrochemistry). Izd. 2-e.
Moskva, Sel'khozgiz, 1952. 440 p.

SO: Monthly List of Russian Accessions, Vol. 6, No. 1, April 1953

1. PETERBURGSKIY, A.V.
2. USSR (600)
4. Agriculture
7. Soil and the plant. Moskva, Sel'khozgiz, 1952

9. Monthly List of Russian Accessions. Library of Congress. February, 1955. Unclassified.

PETERBURGSKIY, A.V.; MELYUBOVA, G.L.

Methods for determining the general anion-exchange absorptive
capacity of roots by adsorption. Fiziol. rast. 9 no.5:651-653 '62.
(MIRA 15:10)

1. Department of Agronomic and Biological Chemistry K.A.Timiryazev
Moscow Academy of Agriculture.

(Roots(Botany))

(Ion exchange)

(Plants—Chemical analysis)

PETERBURGSKIY, A. V.

Grasses

Problem of liming soil before planting grasses. Dokl. Ak. sel'khoz., 17, no. 4, 1952.

9. Monthly List of Russian Accessions, Library of Congress, November 195~~8~~², Uncl.

PETERBURGSKIY, A. V.

The Committee on State Prizes for the Council of Ministers USSR in the fields of science and inventions announces that the following scientific works, popular science books, and textbooks have been submitted for competition for State Prizes for the years 1968 and 1969. *Izvestiya Akademii Nauk SSSR*, No. 2244, 22 April 1969.

<u>Name</u>	<u>Title of work</u>	<u>Institution</u>
Sokolov, N. S.	"Elements of Farming"	Moscow Agricultural Academy
Yarkov, S. P.	(textbook)	Ineni K. A. Timiryazov
Chishevskiy, M. G.		
Cherkasov, A. A.		
Shestakov, A. G.		
Gulyakin, I. V.		
<u>Peterburgskiy, A. V.</u>		
Troitskiy, A. N.		
Luk'yanyuk, V. I.		
Savzdarg, E. E.		
Trofimovich, A. Ya.		
Kuznetsov, V. S.		
Kudryavtsov, N. Ye.		
Pronin, A. F.		
Alekhin, N. V.		
Sachli, S. N.		

1. 1-30000, 1 July 1969

PETERBURGSKIY, A. V.

The Committee on Stalin Prizes (of the Council of Ministers USSR) in the fields of science and inventions announces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stalin Prizes for the years 1952 and 1953. (Sovetskaya Kultura, Moscow, No. 22-40, 20 Feb - 3 Apr 1954)

<u>Name</u>	<u>Title of Work</u>	<u>Nominated by</u>
Peterburgskiy, A. V.	"Practical handbook on agricultural chemistry" (student manual, 2nd edition)	All-Union Agricultural Institute of Science and Education

SO: W-30604, 7 July 1954

PETERBURGSKIY, A. V.

"Assimilation of Potassium and Other Ions in an Adsorbed State
by Plants." Dr Agr Sci, Moscow Agricultural Acad imeni K. A. Timiryazev,
Moscow, 1953. (RZhBiol, No 4, Feb 55)

SO: Sum. No. 631, 26 Aug 55-Survey of Scientific and Technical
Dissertations Defended at USSR Higher Educational Institutions
(14)

PETERBURGSKIY A.V.

FRYANISHNIKOV, D.N., akademik, 1865-1948; KEDROV-ZIKHMAN, O.K., akademik,
redaktor; PETERBURGSKIY, A.V., dotsert; LOGVINOVA, Z.V., dotsent;
IVANOV, V.F., redaktor; ~~YEDOVA~~ YEDOVA, A.I., tekhnicheskiy redaktor.

[Selected works in three volumes] Istrannye sochinenia v trekh
tomakh. Vol. 3. [Agricultural chemistry] Khimizatsia sel'skogo
khoziaistva. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1953. 686 p.
(Agricultural chemistry) (MIRA 7:11)

PETERBURGSKIY, A.V.

(2)

The influence of direct liming of soils for yield of flax and its quality. A. V. Peterburgskiy. *Izvest. Timiryazev. Sel'skokhoz. Akad. (Moscow) No. 1(2), 133-62(1953).*—
Liming of flax in quantities equal to 0.5-1.0 of the hydrolytic activity of soils proved to be effective in increasing the yield and slightly improving the quality of the fiber. B addns. did not give definite results. J. S. Joffe

C. A. V-48
Jan 10, 1954
Soils & Fertilizers

PETERBURGSKIY, A.V.

Present and future chemicalization of agriculture in the U.S.S.R.
Izv. AN SSSR Ser. biol. no.2:177-195 Mr-Apr'64 (MIRA 17:3)

1. Moskovskaya ordena Lenina sel'skokhozyaystvennaya akademiya
imeni K.A. Timiryazeva.

PETERBURGSKIY, A.V., kandidat khimicheskikh nauk.

Chemistry of the abundant harvest. Tekh.molod. 21 no.8:1-4 Ag '53.

(MLRA 6:7)

(Plants--Chemical analysis)

PETERBURGSKIY, A.V.

A.V. Peterburgskiy, V.I. Pelevin, N.A. Mansuryan, V pomoshch kolkhoznomu laborantu [Manual for the Kolkhoz Laboratory Worker], Sel'khozgiz, 20 sheets.

This guide for the kolkhoz laboratory worker describes the arrangement and equipment of the kolkhoz laboratory, the methods of chemical, physical and other analyses of the most important complex substances encountered in the practice of socialist agriculture; water, soil, milk and dairy products. A short characterization of pest-control poisons and fertilizers is given, together with methods of identifying them, etc.

Intended for kolkhoz laboratory workers with special training, kolkhoz agronomists and kolkhoz activists.

SO: U-6472, 15 Nov 1954

PETERBURGSKIY, A. V.

How to use mineral fertilizers. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1954. 111 p.

1. Fertilizers and manures.

PETERBURGSKIY, A. V.

USSR

1. Adsorption processes in the soil and intake of nutrients by plant roots. A. V. Peterburgskiy. *Izv. Tsvetnykh. Sel'sk. Khoz. Akad.* 1954, No. 3 (Whole No. 7), 23-58. —P. AC

In a review of the subject, advances objections to the theories on intake of nutrients by roots, the theory on osmotic and diffusion forces and the Donnan-equil. theory. He adheres to the theory of ion exchange between the roots and the soil and other soils. The principal ions supplied by the plant in the exchange processes are H^+ and HCO_3^- formed in the metabolic activities of the plant. With this premise P. approaches the reactions assessed, with the activity of root hairs in relation to their surface, membrane reaction, and isobates pH relations of protoplasm to intake of ions. The various reactions are illustrated by diagrams. He then reviews critically the literature on contact exchange in relation to intake of ions, showing possibility of intake of N as amino acids by some plants and not by others. As to P

H. V. PETERSON
... make, there exists to be little evidence of org. forms being taken in by plants. P. continues with a review on the exchange capacity of the soil and its role in plant nutrition. He cites data on anion sorption by kaolinite and humates, indicating that the anion adsorption is greater than the cation-adsorption capacity of the kaolinite. P. then discusses the mechanism of availability of ions to plants. He cites exps. on the utilization of ions in adsorbed state v. utilization of these ions in solution. Hypothesis: ion-exchange resins with ions in adsorbed state v. ions in adsorbents in soil and the utilization of these by clover show a preference of adsorbed ions. Expts. of microbes on the utilization of ions added with adsorbents sterilized cultures were used. The unsterilized cultures had no beneficial effect.
I. S. Joffe

PETERBURGSKIY A.V.

Several questions on the intake of nutrients by roots.
A. V. Peterburgskiy. *Pochvenovedeniye* 1958, No. 8, 65-77.—A review of the theories on the intake of ions by plant roots. P. covers photosynthesis, indicating that the initial reduction of CO₂ takes place in the dark outside of the chloroplasts and cites the assoc. phenomena of intake of nutrients by top as well as by roots of plants. The speed of intake of nutrients and their translocation is discussed whereby it is shown that intake is independent of transpiration and diffusion. This intake is based on the reactions of ion exchange between plant and environment. P. denies role of contact exchange. Mineral nutrients do not have to go through a microbial cycle before plants can use them. The theory of bacteria around the rhizosphere as being essential for nutrient intake is rejected. 48 reference. J. S. Joffe

PETERBURGSKIY, A.V., professor, doktor sel'skokhozyaystvennykh nauk.

Founder of Russian agricultural chemistry. Znan.sila no.1:
29-33 Ja'55. (MIRA 8:3)
(Pranishnikov, Dmitrii Nikolaevich, 1865-1948)

USSR/ Agriculture - Books

Card 1/1 Pub. 124 - 39/40

Authors : ~~Peterburgskiy, A. V.,~~ Dr. of Agricult. Sc.; Smirnov, P. M.; and
Asarov, Kh. K.

Title : Popular scientific publications as an aid to agriculture

Periodical : Vest. AN SSSR 1, 132-135, Jan 1955

Abstract : Announcement is made by the Academy of Sciences, USSR concerning the
publication of popular scientific books as an aid to agriculture.
Three USSR references (1954).

Institution :

Submitted :