PETERBURGSKIY, A. V.

V The influence of soil acidity on plants. A. V. Peterburgskiĭ. *Pochvovedenie* 1953, No. 5, 19-28.—A comprehensive review, primarily of the Russian literature, covering the respective factors of acidity as related to pH, Ca, buffer, Mn, Fe, and Al toxicity, Mg deficiency, immobilization of P, reduction in synthesis of proteins and disaccharides, and cycle of N. J. S. Joffe

AG

PETERBURG-SKIY, A. V.

6969. Transport of calcium and phosphorus in plants. A. V. Peterburgskii and N. K. Sidorov *Dokl. Akad. Nauk. S.S.S.R.*, 1935, 205, 1049—1051; *Referat. Zh. Biol. Nauk.*, 1936, Abstr. No. 15019.—On treating leaves of potato and apple with $^{45}CaCl_2$ soln. no movement of ^{45}Ca into the leaves below was observed. In oats, peas and rye seedlings in water culture there was no marked transfer of ^{45}Ca from one part of the root system to another. In the sunflower with ^{32}P applied externally the basipetal rate of movement of the P was 50—60 cm./hr. Analogous results were obtained with clover and potato. The exchange of ^{32}P between stems arising from the same tuber takes place through the tuber. (Russian)

T. R. PARSONS

Moscow Agric. Acad. im K. A. Timiryazev

PETERBURGSKIY, Aleksandr Vasil'yevich, professor; BERZANOVSKAYA, L., redaktor; LESHCHINSKAYA, N., tekhnicheskiy redaktor.

[Nutrition and life of plants] Pitanie i zhizn' rastenii. Moskva, Gos. izd-vo kul'turno-prosvetitel'noi lit-ry, 1956. 67 p. (MLRA 9:5)
(Plants--Nutrition)

PETERBURGSKIY, A.V.

USSR/Soil Cultivation. Mineral Fertilizers. J-3

Abs Jour: Ref. Zhur-Biologiya, No 1, 1958, 1255.

Author : Peterburgskiy, A.V., Asarov, Kh. K., Smirnov, P.M., Yudin, F.A.
Inst : Agricultural Academy imeni Timiryazev
Title : On Fertilizer Effectiveness in the Southeast Regions.

Orig Pub: Izv. Timiryazevskoy Akad., 1956, No 1, 95-116.

Abstract: In areas of the southeast parts of European Russia 20 T/hectare of manure, without irrigation, gives an increase in grain yield of 2-5 centners/hectare and more. It increases the drought- and winter-resistance of winter crops, affecting both the gray forest soils and the rich chernozems very favorably. Its effects are discernible for from five to six years. Of the mineral fertilizers the more effective combination is phosphorous with nitrogen; used alone, phosphorous is useful on chernozems

Card : 1/2 -24-

PETERBURGSKIY, A.V., doktor sel'skokhozyaystvennykh nauk, professor;
ASAROV, Kh.K., kandidat sel'skokhozyaystvennykh nauk, dotsent;
SMIRNOV, P.M., kandidat sel'skokhozyaystvennykh nauk, assistent;
YUDIN, F.A., kandidat sel'skokhozyaystvennykh nauk, assistent.

Effectiveness of fertilizers on irrigated lands in southeastern provinces of the U.S.S.R. Izv. TSKhA no.2:23-36 '56. (MLRA 9:12)

(Fertilizers and manures)
(Irrigation)

PETERBURGSKIY, A. V.

USSR/[illegible] Physiology - Mineral Nutrition.

H-3

Abs Jour : Referat Zhur - Biol. No 16, 25 Aug 1957, 68954

Author : Peterburgskiy, A. V.
Title : New Developments in Nutrition of Sugar Beets

Orig Pub : Sakharnaya svekla, 1956, No 3, 37-41

Abstract : Through the use of labeled atoms, a number of new laws governing plant nutrition were disclosed. It was established that a significant part of CO_2 necessary for plant growth comes from soil moisture. In nutrition of sugar beets through the soil by equal doses of nitrogen in the form of ammoniacal saltpeter and ammonium carbonate the latter nutrient was more efficacious. It is established that the root is incapable of synthesizing sucrose; that it will accumulate in it only entering from the leaves. Of primary significance to photosynthesis is the securing by plants of a supply of phosphorus. The processes of synthesis take place intensively in the root system, particularly synthesis of amino acids and phosphoro-organic combinations.

Card 1/1

PETERBURGSKIY, A. V.

USSR/Physiology of Plants. Mineral [illegible]

Abs Jour : Ref Zhur-Biologiya, No 2, 1958, 5637

Author : A. V. Peterburgskiy
Inst : Timiryazev Agricultural Academy
Title : Radioisotopes of Phosphorus and Calcium in Experiments for the Study of Plant Nutrition and the Action of Fertilizers.

Orig Pub : Izv. Timiryazevskoy s-kh, 1956, No 3, 105-120

Abstract : Experimental nonroot nutrition with P^{32} established that when a solution of $Na_2HP^{32}O_4$ was applied to the leaves of potato, sunflower, clover, and corn, P^{32} was rapidly carried from the leaves to the other organs of the plant, including the roots, with a rapidity exceeding that of 1 cm per minute. Experiments with nonroot nutrition of potato established that metabolism between the stems of the same plant

Card 1/3

Peterburgskiy, A.V.

USSR / Weeds and Weed Control. Herbicides. K

Abs Jour : Ref Zhur - Biologiya, No 1[illegible], 25 Aug 1957, 49510

Author : Peterburgskiy, A.V., Semenova, N.K., Kiseleva, V.I.
Title : Use of Herbicides for Combatting Weeds in Turnipy Onions and Garlic.

Orig Pub : Zemledelie, 1956, No 11, 71-74

Abstract : The treatment of onion sowings after sprouting was conducted by solutions of a triethanolamine salt of dinitrophenol (I) and naphthylphthalaminic acid (II) (in the text it is erroneously named naphthylaminophthalic acid which is not a herbicide). The onions were in the two-leaf stage, and the weeds in the period of budding and blooming. The consumption of solution I of 1000 l/hectare was tested in doses of 8, 15, 16 kg/hectare of the 50% herbicide. Solution II was tested in doses of 6.2; 9.2; 12.3 kg/hectare of the 65% herbicide. The presprouting treatment was conducted by dusting

Card 1/3

PETERBURGSKIY, A.V.

I-3

USSR/Plant Physiology - Mineral Nutrition.

Abs Jour : Ref Zhur - Biol., No 5, 1958, 19960

Author : Peterburgskiy, A.V.
Inst :
Title : On the Plant Assimilation of Metabolic Anions Absrobed by the Habitat.

Orig Pub : Dokl. AN SSSR, 1956, 111, No 1, 209-212.

Abstract : Assimilation by raddish and red clover of the anions of phosphoric, nitric, and sulfuric acids from solutions, and from the metabolic-absorption state due to absorption by synthetic sorbents -- anionites (amberlite, "TM", and others) was compared in vegetation experiments conducted at the Moscow Order of Lenin Agricultural Academy imeni K.A. Timiryazev. In the experiment with raddish, the sulfate anion alone provided an equal effect whether in the free or absorbed state. The effect of the phosphate anion was somewhat weaker than that of the water

Card 1/2

PETERBURGSKIY, Aleksandr Vasil'yevich, doktor sel'skokhozyaystvennykh nauk, professor; KATSNEL'SON, S.M., redaktor; GUBIN, M.I., tekhnicheskiy redaktor.

[Soviet school of agricultureal chemistry; presented by the presidium of the board of administrators of the R.S.F.S.R. Society for the Dissemination of Political and Scientific Knowledge] Sovetskaia nauchnaia shkola v agronomicheskoi khimii; predstavlena prezidiumom pravleniia Obshchestva po rasprostraneniiu politicheskikh i nauchnykh znanii RSFSR. Moskva, Izd-vo "Znanie," 1957. 39 p. (Vsesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i nauchnyy znanii. Ser.5, no.15) (MLRA 10:7)

(Agricultural chemistry)

PETERBURGSKIY, A.V.

[Soil and plant] Pochva i rastenie. Izd. 2-e, perer. Moskva, Gos. izd-vo selkhoz lit-ry, 1957. 127 p. (MIRA 11:4)
(Plants--Nutrition) (Soil fertility)

PETERBURGSKIY, A.V., prof.; ASH[illegible]V, Ft. A., dots., PLESHK[illegible]V, B.I., dots.; SV[illegible]NOV, P.M., dots.; [illegible]B'[illegible]V, F.K., dots.[deceased]; GULYAKIN, I.V., prof.; [illegible], red.; [illegible]. KLECHK[illegible]Y, V.M., akademik, red.; SHCHEGLOV, V.M., red.

[Agricultural chemistry] Sel'khozkhimiia. Moskva, Kolos, 1964. 527 p. (MIRA 18:1)

PETERBURGSKIY, A. V.

[Plant nutrition through roots] Kornevoe pitanie rastenii. Moskva, Gos. izd-vo selkhoz lit-ry, 1957. 169 p. (MIRA 11:3)
(Fertilizers and manures)

PETERBURGSKIY, A.V.

Effect of a small dose of lime and humus on the uptake of nutrients by plants and their yield on acid soils [with summary in English]. Pochvovedenie no.1:96-106 Ja '57. (MLRA 10:5)

1.Sel'skokhozyaystvennaya akademiya im. K.A. Timiryazeva.
(Lime) (Humus) (Plants--Nutrition)

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

Effect of soil acidity on plants. Izv.TSKhA no.1:95-117 '57. (MLRA 10:7)

(Plants, Effect of acids on) (Soil acidity)

PETERBURGSKIY, A.V., prof., doktor sel'skokhozyaystvennykh nauk; SIDOROVA, T.K., mladshiy nauchnyy sotrudnik.

Reaction of corn to liming [with summary in English]. Izv. TSKhA no.3:131-142 '57. (MIRA 11:3)
(Lime) (Corn (Maize))

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

Agrochemical research at the Timiriazev Agricultural Academy during 40 years of Soviet rule [with summary in English]. Izv. TSKhA no.4: 91-110 '57. (MIRA 11:1)

(Agricultural chemistry)

Peterburgskiy, A.V.

PETERBURGSKIY, A.V.

K.K.Gedroits on the availability of soil potassium to plants and further studies in this field [with summary in English]. Pochvovedenie no.11:88-97 N '57. (MIRA 10:12)

1. Moskovskaya sel'skokhozyaystvennaya akademiya im.K.A.Timiryazeva.
(Minerals in soil) (Plants, Effect of potassium on)

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

Agricultural chemistry and crop yields. Nauka i zhizn' 24 no.3:5-9 Mr '57. (MLRA 10:5)
(Agricultural chemistry) (Fertilizers and manures)

PETERBURGSKIY, A.V., prof., doktor nauk.

Adding lime and humus to corn hills during planting in acid soil.
Dokl. TSKhA no.29:41-44 '57. (MIRA 11:8)
(Corn (Maize)) (Liming of soils) (Humus)

PETERBURGSKIY, A.V., prof'.

A new manual on the chemical analysis of soils. Pochvovedenie no.1:122-123 Ja '62. (MIRA 17:1)

PETERBURGSKIY, A.V., doktor sel'skokhoz. nauk, prof.; KORCHAGINA, Yu.I., mladshiy nauchnyy sotrudnik

Plant assimilation of ammonia nitrogen in connection with its exchange absorption and fixation by soil. Izv. TSKHA no.2: 47-61 '63. (MIRA 16:10)

PETERBURGSKIY, A.V., prof.

New compound fertilizers. Zemledelie 25 no.10:34-38 O '63.
(MIRA 16:11)
1. Moskovskaya sel'skokhozyaystvennaya akademiya imeni K.A. Timiryazeva.

PETERBURGSKIY, A.V., prof., doktor nauk; BATBAYOV, N.S., dots., kand. nauk.

Using potassium calcium sulfate and ammonium bicarbonate for fertilizing potatoes. Dokl. TSKhA no.29:51-54 '57. (MIRA 11:8)
(Potatoes) (Sulfates)

PETERBURGSKIY, A.V., doktor sel'skokhozyaystvennykh nauk, prof.; SIDOROVA, N.K., mladshiy nauchnyy sotrudnik

Effect of molybdenum on clover and other crops in acid soils [with summary in English]. Izv. TSKhA no. 3:59-82 '58. (MIRA 11:7)
(Clover)
(Plants, Effect of molybdenum on)

Peterburgskiy, A. V.

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

K.K. Gedroits' work in studying the absorption coefficient of soil and its importance in agriculture. Zemledelie 6 no.1:88-92 Ja '58.
(Soil percolation) (MIRA 11:1)
(Gedriots, Konstantin Kaetanovich, 1872-1932)

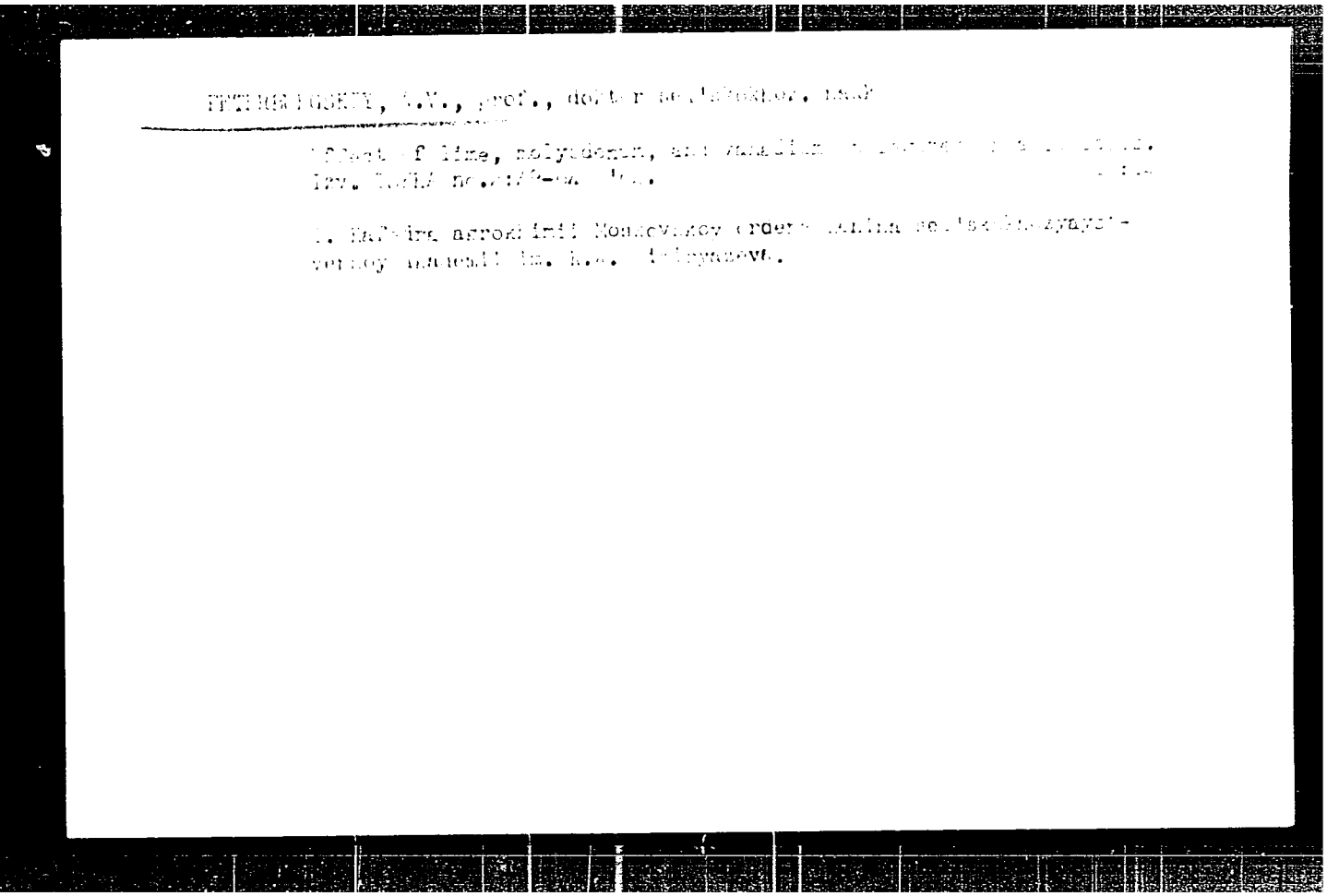
BALASHEV, L.L., prof.; GRIGOR'YEV, N.G., kand. biol. nauk; ZHURBITSKIY, Z.I., prof.; PETERBURGSKIY, A.V., prof.; POPOV, P.V., kand. sel'khoz. nauk; RADKEVICH, P.Ye., prof.; SOKOLOV, A.V.; TURCHIN, F.V., prof.; SHKONDE, E.I., kand. sel'khoz. nauk; SHTERNBERG, M.B., kand. biol. nauk; VOL'FKOVICH, S.I., akademik, red.; KORNEYEV, N.Ye., kand. veter. nauk, red.; NAYDIN, P.G., prof., red.; PLESHKOV, B.P., kand. sel'khoz. nauk, red.; POPOV, I.S., akademik, red.; ROMASHKEVICH, I.F., kand. sel'khoz. nauk, red.; RODE, A.A., prof., red.; ROZOV, N.N., prof., red. FATUYEV, M.R., inzh., red.

[Chemicalization of agriculture; scientific and technical dictionary handbook] Khimizatsiia sel'skogo khoziaistva; nauchno-tekhnicheskii slovar'-spravochnik. Moskva, Nauka, 1964. 398 p. (MIRA 17:10)

1. Chlen-korrespondent AN SSSR (for Sokolov). 2. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I.Lenina (for Popov)

PETERBURGSKIY, Aleksandr Vasil'yevich

[How and what with plants are nourished] Kak i chem pitaiutsia rasteniia. Moskva, Nauka, 1964. 183 p. (MIRA 18:3)



PETERBURGSKIY, A.V., prof., doktor sel'skokhozyaystvennykh nauk;
KARAMETE, K.I., aspirant

Effect of mineral fertilizers and trace elements on the growth of corn stimulated by growth promoting substances. Izv. TSKhA no.3:98-116 '64. (MIRA 17:11)

1. Kafedra agrokhimii i biokhimii Moskovskoy sel'skokhozyaystvennoy akademii imeni Timiryazeva.

[illegible], doktor sel'skokhoz. nauk

[illegible] of Ca^{45} and K^{42} for studying the uptake and distribution of calcium and potassium in plants. Biv. TSKhA no. 4:116-125 '48.
(MLRA 12:6)

1. Kafedra agrokhimicheskoy i biologicheskoy khimii Moskovskoy ordena Trudovogo Krasnogo Znameni sel'skokhozyaystvennoy akademii imeni Timiryazeva.

PETERBURGSKIY, A.V., prof.

Agrochemical evaluation of the new type of compound and mixed fertilizers. Zhur.VKHO 10 no.4:392-399 '65.
(MIRA 18:11)

PETERBURGSKIY, A.V., prof.

D.N. Prianishnikov. Zemledelie 27 no.10:56-59 O '65.
(MIRA 18:10)

1. Moskovskaya imeni Lenina sel'skokhozyaystvennaya akademiya imeni Timiryazeva.

M.SHUSTIN, Yu.N., PETERBURGSKIY, A.V.

"Chemical" and "biological" nitrogen in the agriculture of the U.S.S.R. Izv. AN SSSR. Ser. biol. no.2:220-230 Mr-Ap '53. (MLRA 18:4)

1. Institut mikrobiologii AN SSSR i Moskovskaya sel'skokhozyaystvennaya akademiya im. K.A.Timiryazeva.

PRYANISHNIKOV, Dimitriyy Nikolayevich, akademik [deceased];
PETERBURGSKIY, A.V., prof., otv. red.

[Popular agricultural chemistry] Populiarnaia agrokhimiia.
Moskva, Nauka, 1965. 396 p. (MIRA 18:7)

PEYVE, Ya.V.; PETERBURGSKIY, A.V., doktor sel'khoz. nauk, prof.; GAR, K.A., kand. sel'khoz. nauk; GOLYSHIN, N.M., kand. biol. nauk; KOROTKIKH, G.I., kand. sel'khoz. nauk; CHESALIN, G.A., kand.sel'khoz.nauk; RAKITIN, Yu.V., doktor biol. nauk; ZENYULINSKIY, V.M., kand. sel'khoz.nauk; DEVYATKIN, A.I., kand. sel'khoz. nauk; VENEDIKTOV, A.M., kand.sel'khoz. nauk; TARANOV, M.G., kand. biol. nauk; BORISOVA, L.G.; BEREZNIKOV, V.V., kand. tekhn.nauk; KONDRATENKO, R.V., st. nauchn.sotr.; BORISOV, F.B., st. nauchn.sotr.

[Chemistry in agriculture] Khimiia v sel'skom khoziaistve. Moskva, Kolos, 1964. 381 p. (MIRA 17:9)

1. Chlen-korrespondent AN SSSR (for Peyve). 2. Nachal'nik laboratorii Nauchno-issledovatel'skogo instituta plastmass (for Borisova). 3. Nauchno-issledovatel'skiy institut plastmass (for Kondratenko, Borisov).

PETERBURGSKIY, A.V., prof., doktor sel'skokhoz. nauk; POSTNIKOV, A.V., assistent

Agricultural and economic advantages of complete mineral fertilizers. Izv. TSKHA no.1:21-33 '64. (MIRA 17:4)

1. Kafedra agrokhimii i biokhimii Moskovskoy ordena Lenina sel'skokhozyaystvennoy akademii imeni Timiryazeva.

PETERBURGSKIY, A.V., doktor sel'skokhoz. nauk, prof.;
YANISHEVSKIY, F.V., kand. sel'skokhoz. nauk

Forms of potassium in soils fertilized over a period of many years. Izv. TSKHA no.6:113-124 '63. (MIRA 17:8)

PETERBURGSKIY, A.V.

Use of ion exchangers in soil and agrochemical studies. Izvestiia no.6 260-63 Je '64 (MIRA 17:8)

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

PETERBURGSKIY, A.V.

Collection of works of a prominent Russian agricultural chemist. Pochvovedenie no.1:113-114 Ja '64. (MIRA 17:3)

PETERBURGSKIY, A.V.

From the tests in the comparative evaluation of the most recent complex and the equivalent mixtures of simple fertilizers.
Zemljiste biljka 11 no.1/3:499-501 '62

1. Kafedra agrokhimii Timiryazevskoy s.kh.akademii, Moskva.

PETERBURGSKIY, Aleksandr Vasil'yevich, doktor sel'khoz. nauk, prof.; OZEROV, V.N., red.; KOREYSHO, Ye.G., red.; FEDOTOVA, A.F., tekhn. red.

[Laboratory manual on agricultural chemistry] Praktikum po agronomicheskoi khimii. Izd.5., perer. i dop. Moskva, Sel'-khozizdat, 1963. 591 p. (MIRA 16:9)
(Agricultural chemistry--Laboratory manuals)

PETERBURGSKIY, A.V., doktor sel'skokhoz. nauk, prof.; POSTNIKOV, A.V., aspirant

Solid and liquid compound fertilizers, their investigation and possible use in the U.S.S.R. [with summary in English]. Izv. TSKHA no.3:103-121 '63. (MIRA 16:9)
(Fertilizers and manures)

PETERBURGSKIY, A.V., prof., doktor sel'skokh. nauk, TARABRIN [illegible]
mladshiy nauchnyy sotrudnik

Activity of the assimilation of absorbed exchange cations by plants. Izv. TSKHA no.5:107-112 '60. (MIRA 16:[illegible])

(Plants--Assimilation)

PETERBURGSKIY, A.V., dots.; Prinimali uchastiye: ASAROV, Kh.K., dots.; GUKOVA, M.M., assistent; KUDRIN, S.A., prof., retsenzent; PFONIN, M.Ye., prof., retsenzent; GRACHEVA, V.S., red.; BALLOD, A.I., tekhn. red.

[Laboratory manual on agricultural chemistry] Praktikum po agrokhimii. Izd.2., perer. i dop. Moskva, Sel'khozgiz, 1952. 438 p. (MIRA 16:8)
(Agricultural chemistry--Laboratory manuals)

TORIN, V.S., aspirant; PETERBURGSKIY, A.V., prof., nauchnyy rukovoditel'

Agrochemical investigations on the Kalinovka Collective Farm and their role in working out a scientifically based system of fertilizing. Izv. TSKHA no.6:83-96 '62. (MIRA 16:6)

1. Zaveduyushchiy agrokhimicheskoy laboratoriyey kolkhoza s. Kalinovki (for Torin).
(Fertilizers and manures)

PETERBURGSKIY, A.V., prof.

On the farms and in the agricultural research institutions of Great Britain. Zemledelie 25 no.4:77-82 Ap '63. (MIRA 16:5)
(Great Britain--Agriculture)

PETERBURGSKIY, Aleksandr Vasil'yevich, doktor sel'khoz. nauk, prof.; POSTNIKOV, Anatoliy Vasil'yevich, agrokhimik; VISHNYAKOVA, Ye., red.; KUZNETSOVA, A., tekhn. red.

[New effective fertilizers] Novye effektivnye udobreniia. Moskva, Mosk. rabochii, 1963. 55 p. (MIRA 16:7)
(Fertilizers and manures)

ZHURBITSKIY, Z.I., prof.; PETERBURGSKIY, A.V., prof.

Immediate tasks in the field of agricultural chemistry.
Vest. AN SSSR 32 no.11:76-79 N '62. (MIRA 15:11)
(Agricultural chemistry--Research)

PETERBURGSKIY, A.V.

"Manual on mineral fertilizers." Reviewed by A.V.Peterburgskii. Pochvovedenie no.8:115-116 Ag '61. (MIRA 14:11)
(Fertilizers and manures)

PETERBURGSKIY, Aleksandr Vasil'yevich; CHERNIKOVA, M.S., red.; POPOV, N.D., tekhn. red.

[Prianishnikov and his theories]Prianishnikov i ego shkola. Moskva, Sovetskaia Rossiia, 1962. 106 p. (MIRA 15:10)
(Prianishnikov, Dimitrii Nikolayevich, 1865-1948)
(Agriculture)

PETERBURGSKIY, A.V., doktor sel'skokhozyaystvennykh nauk, prof.;
DEBRETSENI, B. [Debreceni, B.]

Availability of the phosphates of compound and simple fertilizers to oats in acid and limed soils. Izv. TSKhA no.5:112-120 '61.
(MIRA 14:12)

(Oats--Fertilizers and manures)
(Phosphates)

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

International symposium on "Humus and Plants." Zemledelie 24 no.3:85-88 Mr '62. (MIRA 15:3)

(Humus--Congresses)

PETERBURGSKIY, A.V.

Comparative evaluation of most recent compound fertilizers and equivalent mixtures of simple fertilizers. Pochvovedenie no.9: 35-47 S '61. (MIRA 14:10)

1. Sel'skokhozyaystvennaya akademiya imeni K.A.Timiryazeva.
(Fertilizers and manures)

TORIN, V.S., aspirant; PETERBURGSKIY, A.V., nauchnyy rukovoditel', prof.

Effectivness of fertilizer application to corn on the Collective Farm Kalinovka in Kursk Province. Izv. TSKHA no.3:49-56 '61. (MIRA 14:9)

1. Zaveduyushchiy agrokhimicheskoy laboratoriyey kolkhoza sela Kalinovki, Kurskoy oblast' (for Torin).
(Corn (Maize)—Fertilizers and manures)

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

What are French agricultural chemistry laboratories working on.
Izv. TSKhA no.2:217-234 '60. (MIRA 14:4)
(France--Agricultural chemistry)

PETERBURGSKIY, A.V., prof., red.; ZAVERIN, A.S., red.; TRUKHINA, O.N., tekhn. red.

[Manual for workers in agricultural chemistry laboratories] Posobie dlia rabotnikov agrokhimicheskikh laboratorii. Moskva, Izd-vo sel'khoz. lit-ry, zhurnalov i plakatov, 1961. 431 p. (MIRA 15:4)

(Agricultural chemistry--Laboratory manuals)

PEYVE, Ya.V., glav. red.; ALIYEV, G.A., akademik, red.; ABUTALYBOV, M.G., prof., red.; BERZIN, YA.M. [Berzins,J.], akademik, red.; VINOGRADOV, A.P., akademik, red.; VLASYUK, P.A., akademik, red.; VOYNAR, A.O., prof., red.; DROBKOV, A.A., prof., red.; KATALYMOV, M.V., prof., red.; KOVAL'SKIY, V.V., red.; KOVDA, V.A., red.; KEDROV-ZIKHMAN,O.K., akademik, red.; LEONOV, V.A., akademik, red.; PETERBURGSKIY, A.V., prof., red.; SINYAGIN, I.I., red.; CHERNOV, V.A., prof., red.; CHANISHVILI, Sh.F., red.; SHKOL'NIK, M.Ya., prof., red.; SHCHERBAKOV, A.P., kand. sel'khoz. nauk, red.; VENGRANOVICH, A., red.; DYMARSKAYA, O., red.; KLYAVINYA,A [Klavina, A.], tekhn. red.

[Use of trace elements in agriculture and medicine; transactions] Primenenie mikroelementov v sel'skom khoziaistve i meditsine; trudy. Riga, Izd-vo Akad.nauk Latviiskoi SSR, 1959. 706 p. (MIRA 14:12)

1. Vsesoyuznoye soveshchaniye po mikroelementam. 3d, Baku, 1958. 2. Chlen-korrespondent Akademii nauk SSSR (for Peyve, Kovda). 3. AN Azerbaydzhanskoy SSR (for Aliyev). 4. AN Latviyskoy SSR (for Berzin). 5. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk im. V.I.Lenina (for Vlasyuk, Kedrov-Zikhman). 6. AN Belorusskoy SSR (for Leonov). 7. Chlen-korrespondent Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk im. V.I.Lenina (for Sinyagin, Koval'skiy). 8. Chlen-korrespondent AN Gruzinskoy SSR (for Chanishvili).

(Trace elements) (Biochemistry) (Agriculture)

PETERBURGSKIY, A.V., prof., doktor sel'skokhoz.nauk; DEBRETSENI, B. aspirant

Availability of the phosphates of compound and simple fertilizers to plants. Izv. TSKhA no.1:76-91 '61. (MIRA 14:3)
(Plants--Nutrition) (Phosphates)

USYUKIN, I.F., prof., doktor tekhn.nauk; PETERBURGSKIY, A.V., prof., doktor sel'skokhozyaystvennykh nauk; UVAROVA, A.P.

Ammonium bicarbonate, an effective nitrogen fertilizer.
Zemledelie 23 no. 2:74-81 F '61. (MIRA 14:2)
(Ammonium carbonate)

PRYANISHNIKOV, Dimitriy Nikolayevich, akademik, Geroy Sotsialisticheskogo Truda [1865-1948]; PETERBURGSKIY, A.V., prof., red.; TETYUREVA, I.V., red.; TRUKHINA, O.N., tekhn.red.

[My reminiscences] Moi vospominaniia. Izd.2. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1961. 309 p. (MIRA 14:4)
(Prianishnikov, Dmitrii Nikolaevich, 1865-1948)

RUDENSKAYA, B.Ya. [translator]; FUKS, Z.V. [translator]; PETERBURGSKIY, A.V., red.

[Hunger signs in crops; a symposium] Priznaki golodaniia rastenii; sbornik statei. Moskva, Izd-vo inostr.lit-ry, 1957. 229 p. (MIRA 14:2)

1. American Society of Agronomy.
(Deficiency diseases in plants)

DOLZHANSKIY, L.D.; KOHRIN, B., otv.red.; NEMCHINOV, V.S., prof., red.; PETERBURGSKIY, A.V., dotsent; LIL'YE, A., tekhn.red.

[Two forage crop yields in one year] Dva urozhaia kormovykh kul'tur v god. Pod red. V.S.Nemchinova i A.V.Peterburgskogo. Moskva, Mosk.rabochii, 1946. 47 p. (MIRA 13:12)

1. Upravlyayushchiy uchebno-opytnym khozyaystvom "Ferma" Sel'skokhozyaystvennoy akademii im. Timiryazeva (for Dolzhanskiy).
(Forage plants)

PETERBURGSKIY, A.V., doktor sel'skokhozyaystvennykh nauk, prof.;
YANISHEVSKIY, F.V., aspirant

Leaching of potassium from the arable layer [with summary in English]. Izv. TSKhA no.4:82-87 '60. (MIRA 13:9)
(Soils--Potassium content) (Leaching)

PETERBURGSKIY, A.V.; KOBRIN, B., otv.red.; KALASHNIKOV, V., tekhn.red.

[Soils and plants] Pochva i rastenie. Moskva, Mosk.rabochii, 1946. 66 p. (MIRA 13:8)
(Soils)

CHIZHEVSKIY, Mikhail Grigor'yevich, prof., doktor sel'skokhoz.nauk; AVAYEV, M.G., dotsent; ZHELTIKOV, S.A., dotsent; KISELEV, A.N., dotsent; PETERBURGSKIY, A.V., prof.; GROKHOVSKIY, M.I., dotsent; OZEROV, V.N., red.; BACHURINA, A.M., tekhn.red.; BALLOD, A.I., tekhn.red.

[Agriculture with principles of soil science] Zemledelie s osnovami pochvovedeniia. Pod red. M.G.Chizhevskogo. Izd.2., perer. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1959. 431 p. (MIRA 13:7)

(Agriculture) (Soils)

PETERBURGSKIY, A.V.

[Laboratory manual in agricultural chemistry] Praktikum po agronomicheskoi khimii. Izd.4., perer. i dop. Moskva, Gos. izd-vo sel'khoz.lit-ry, 1959. 549 p. (MIRA 13:10)
(Agricultural chemistry)

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

Exchange ions in soil and their availablity to plants. Izv. TSKhA no.6:70-76 '59. (MIRA 13:6)
(Ion exchange) (Soil chemistry)

PETERBURGSKIY, A.V., prof. doktor sel'skokhoz. nauk;YANISHEVSKIY, F.V., aspirant

Investigating the behavior of potassium in turf-Podzolic sandy loams subject to long-term fertilizer usage, continuous fallow and rye and potato monocultures. Izv. TSKhA no.5:75-94 '59 (MIRA 13:3)
(Potassium) (Field crops--Fertilizers and manures)

COUNTRY : USSR J
CATEGORY : Soil Science. Fertilizers.
ABS. JOUR. : RZhBiol., No. 4, 1959, No. 15403

AUTHOR : Peterburgskiy, A.V.
INST. : Moscow Agric.Acad. im. K.A. Timiryazev
TITLE : Some Characteristics of Fertilizers Used in France.

ORIG. PUB. : Dokl. Mosk. s.-kh. akad. im. K.A. Timiryazeva, 1957, vyp. 31, 5-17

ABSTRACT : The total output of mineral fertilizers in France in 1956 reached 6.1 million ton (2.92 centner/hectare under cultivation). More than half of them were produced in the form of granular (size of granule 1.65 - 3.5 mm) compound fertilizers and mixed fertilizers. The compound (combined) fertilizers were produced by various processes based on the dissociation of phosphorites (or apatites) of HNO_3. In experiments comparing simple phosphates the most effec-

Card: 1/2

CATEGORY : Cultivated Plants. 28

ABS. JOUR. : RZhBiol., No. 3, 1959, No. 10930

AUTHOR : Peterburgskiy, A. V., Sidorova, N. K.
INST. : Timiryazev Agricultural Academy.
TITLE : Response of Corn to Lime Application.

ORIG. PUB. : Izv. Timiryazevsk. s.-kh. akad., 1957, No. 3, 131-142.

ABSTRACT : A brief survey of literature and results of experiments in vegetation vessels. The liming of soils taken from the farm of the Academy and from the subsidiary farm "Dubki" boosted the yield of the green roughage and grain of the corn. Combination of liming with the placement of humus in the planting holes at the rate of 1 ton/ha (on an average) increased the yield of the ears by 139% and that of the green roughage by 93% compared with the control (without humus and liming). The content of N and Ca in the grain was increased somewhat under the influence of the lime and humus. — V. S. Shmal'ko

CARD: 1/1

COUNTRY : USSR
CATEGORY : Cultivated Plants. Industrials, Oleiferous, Sugar. V

ABS. JOUR. : RZhBiol., No. 23 1956, No. 10787

AUTHOR : Peterburgskiy, A. V.
INST. :
TITLE : The Yield and Fertilization of Sugar Beets in France.

ORIG. PUB. : Sakharnaya svekla, 1958, No. 5, 45-47

ABSTRACT : In France, the area under beets comprises about 300 thousand ha, and the average yield of roots is 27-30 centners/ha. Data are cited on the amounts of the fertilizers applied, and on the yield according to separate regions of France in different years.

CARD: 1/1

USSR/Cultivated Plants - Fodders. M

Abs Jour : Ref Zhur Biol., No 18, 1958, 82380

Author : Peterburgskiy, A.V., Sidorova, N.K.

Inst : Timiryazev Agricultural Academy

Title : On the Significance of Molybdenum for Clover on Acid Soils.

Orig Pub : Dokl. Mosk. s.-kh. akad., im. K.A. Timiryazeva, 1957, vyp. 31, 43-48

Abstract : Principal conclusions from the work of various Soviet and foreign agricultural chemists on the effect of Mo salts on the growth and yields of some grasses, especially leguminous ones, and a brief report on field trials carried out in 1955 and 1956 at the Timiryazev Agricultural Academy Field Cultivation Station. In 1955, spraying of the grass mixture of clover x timothy

Card 1/2

PETERBURGSKIY, A.V.

30(1) SOV/30-59-2-17/60

AUTHOR: Tyurin, I. V., Academician

TITLE: Conference of the International Association of Soil Experts (Konferentsiya Mezhdunarodnogo obshchestva pochvovedov)

PERIODICAL: Vestnik Akademii nauk SSSR, 1959, Nr 2, pp 74-75 (USSR)

ABSTRACT: This Conference took place in Hamburg last August. The Soviet delegation took part in the work of two committees (soil chemistry and soil productiveness). About 300 persons took part in the Conference. The following problems were discussed: substances promoting growth in the soil, nitrogen and humus, interaction between soil types and effectivity of dung, distribution of ions in the soil, use of radioactive isotopes for investigations. The Soviet delegation delivered the following reports: The author of this paper on soil types and effectivity of dung (the report had been worked out together with Professor A. V. Sokolov); D. M. Guseynov, Corresponding Member, Academy of Sciences, Azerbaydzhanskaya SSR spoke about the stimulants of petroleum origin; Professor A. V. Peterburgskiy reported on adsorption processes in the soil and the root nourishment of plants. Ya. V. Peyve, Corresponding Member,

Card 1/2

J

Country : USSR
Category : Soil Science. Mineral

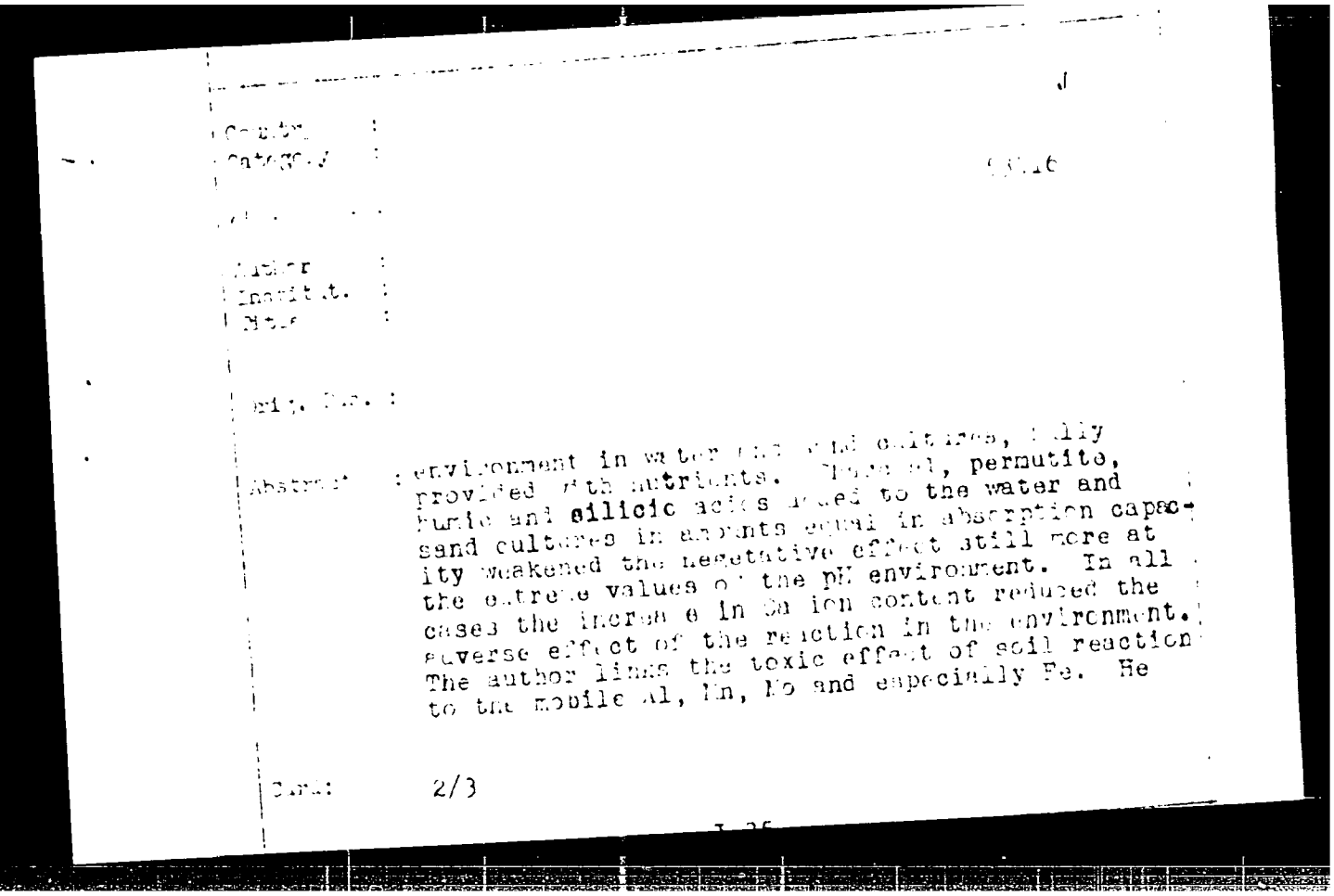
Author : Peterburgskiy, A.V.
Inst. :
Title :

Orig. Pub. : Iav. Timiryazevs. s.-kh. akad., 1957, vyp. 1, 93-117

Abstract : The author gives a general evaluation of causes for the negative effect of soil acidity on plants. The pH change from 4 to 7 in the growing pots containing gray forest loam and chernozem had little effect on the pea and wheat yields, as contrasted with those growing on sandy soil, poor in buffers, humus and bases, where these plants suffered greatly from the presence of both acid and alkaline environments. The pea reacted considerably less strongly to changes in pH

1/3

Card:

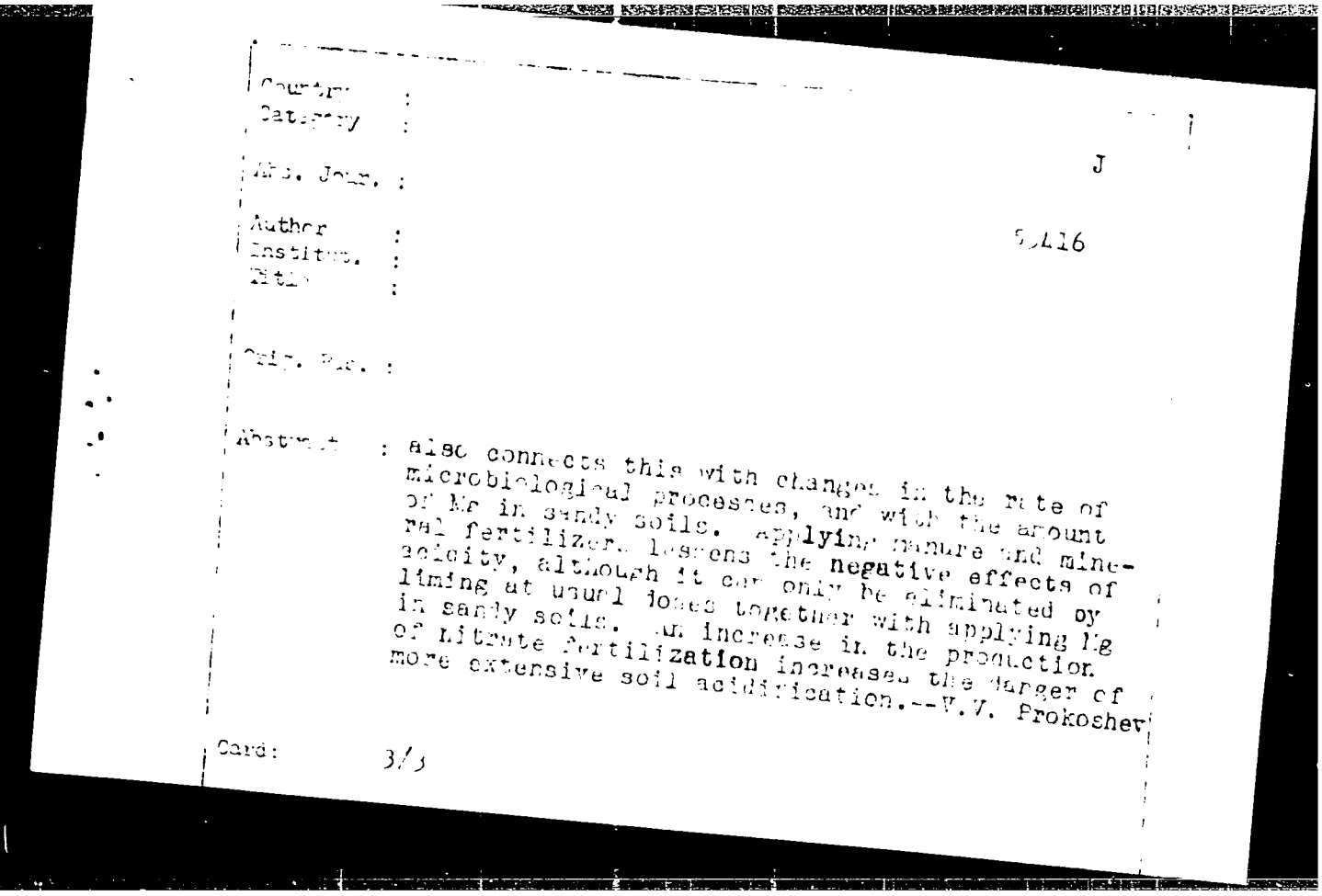


Author :
Inst.it. :
Title :

Publ. Data :

Abstract : environment in water [illegible] ally provided with nutrients. [illegible], permutite, humic and silicic acids added to the water and sand cultures in amounts equal in absorption capacity weakened the vegetative effect still more at the extreme values of the pH environment. In all cases the increase in Ca ion content reduced the adverse effect of the reaction in the environment. The author links the toxic effect of soil reaction to the mobile Al, Mn, Mo and especially Fe. He

Card: 2/3



Country :
Category :

Abs. Jour. : J

Author :
Institution. : 9,416
Title :

Orig. Pub. :

Abstract : also connects this with changes in the rate of microbiological processes, and with the amount of Mn in sandy soils. applying manure and mineral fertilizer lessens the negative effects of acidity, although it can only be eliminated by liming at usual doses together with applying Mg in sandy soils. An increase in the production of nitrate fertilization increases the danger of more extensive soil acidification.--V.V. Prokosher

Card: 3/3

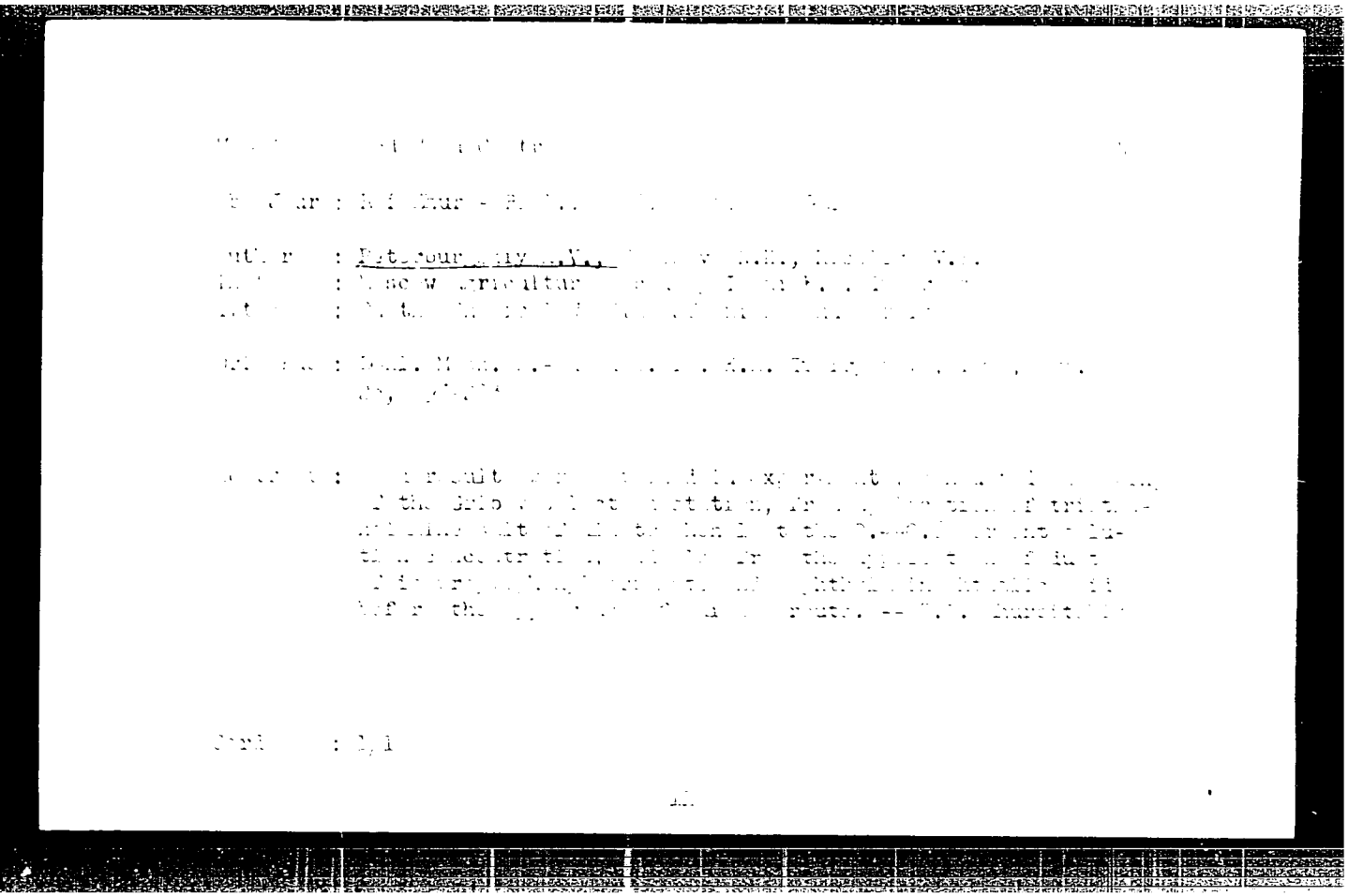
PETERBURGSKIY, A.V.

Manual on methods of agricultural experiments and investigations [in German] by R. Hermann. Reviewed by A.V. Peterburgskii. Pochvodedenie no.2:114 F '59. (MIRA 12:3)
(Agriculture--Experimentation) (Soil research)

PEYVE, Ya.V., red.; PETERBURGSKIY, A.V., prof., red.; GRIGOR'YEVA, A.I., red.; BAILOD, A.I., tekhn.red.

[Chemistry in agriculture] Khimiia v sel'skom khoziaistve. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1959. 247 p. (MIRA 12:6)

1. Chlen-korrespondent AN SSSR (for Peyve).
(Agricultural chemistry)



J-4

USSR / Soil Science. Mineral Fertilizers.

Abs Jour: Ref Zhur-Biol., No 8, 1958, 34368.

Author : Peterburgskiy, A. V.
Inst : Not given.
Title : Method of Labeling Atoms and Its Importance in Studying the Effect of Fertilizers and Nutrition on Plants.

Orig Pub: Sakharnaya svekla, 1957, No 10, 39-44.

Abstract: No abstract.

Card 1/1

USSR / Soil Science. Organic Fertilizers.

Abs Jour: Ref Zhur-Biol., No 21, 1958, 95759.

Author : Peterburgskiy, A. V.
Inst : Kharkov University.
Title : On the Influence of Humic Acid, Humus and Some Other Organic Substances in Reduced Doses on Crop Harvests.

Orig Pub: V. sb.: Guminovye udobreniya, Khar'kov, Khar'kovsk. un-t, 1957, 145-161.

Abstract: Vegetative and field experiments with application of organic substances conducted by the author at various times between 1929 and 1955 established that adsorbents give a positive effect: active carbon, artificial humic acid and others (in water and sand cultivations); small quantities of humus adhered to beet seeds, small admixtures of

Card 1/2

Abs Jour : Ref Zhur - Biol., No 15, 1958, 67947

Author : Peterburgskiy, A.V.
Inst : -
Title : The Significance of Nitrogen in the Agriculture of the USSR

Orig Pub : Udobreniye i urozhay, 1957, No 11, 16-25.

Abstract : The perennial leguminous grasses stand in the first place as far as biological transformation of atmospheric nitrogen is concerned -- lucerne (300 kg./hectare of N per year) and clover (150-160 kg./hectare of N per year). The grain legumes (except for vetch) accumulate nitrogen in much smaller quantities. A good harvest of lupine may bind 100-150 kg./hectare per year, i.e. the amount of N contained in 20-30 T/hectare of manure. The lupine green mass mineralizes more rapidly than manure, its principal advantage over the latter; in addition, lupine can be grown successfully on the acid soils of the moist subtropics, the irrigated

Card 1/2

USSR/Soil Science. Mineral Fertilizers.

Abs Jour: Ref Zhur-Biol., No 6, 1958, 24732.

Author : Peterburgskiy, A.V.; Asarov, Kh. K.; Smirnov, P.M.; Yudin, F.A.

Inst :

Title : Effectiveness of Fertilization in the South-Eastern Regions of the USSR Under Irrigation.

Orig Pb : Izv. Timiryazevsk. s.-kh. akad., 1956, No 2, 23-36.

Abstract: Data from experimental institutions of the South-East is given about the most effective methods of the application of manure, siderites, and mineral fertilizers for various crops during irrigation.

Card : 1/1

USSR/Soil Science - Organic Fertilizers. J-4

Abs Jour : Ref Zhur - Biol., No 9, 1958, 39025

Author : Peterburgskiy, A.V.

Inst : Moscow Agricultural Academy im. K.A. Timiryazev

Title : On the Influence of Small Doses of Lime and Humus on the Intake of Nutriment in Plants and in the Crop.

Orig Pub : Dokl. Mosk. s.-kh. akad. im K.A. Timiryazeva, 1956, vyp. 23, 220-227.

Abstract : The results of vegetative and field experiments, conducted in order to determine the effectiveness of small doses of organic fertilizer and lime in their introduction either separately or with a background of PK are given in this survey.
The vegetative experiment with oats on lightly clayey

Card 1/2

M-6

USSR/Cultivated Plants - Fruits. Berries.

Abs Jour : Ref Zhur - Biol., No 7, 1958, 30012

Author : Peterburgskiy, A.V., Semenova, N.K., Rodina, L.A.

Inst : -

Title : Several Experiments on Controlling Pre-Harvest Apple Fall-Off and the Retention of Apple and Cherry Flowering.

Orig Pub : Dokl. Mosk. s.-kh. akad. im. K.A. Timiryazeva, 1956, vyp. 23, 234-239.

Abstract : Tests were made in the orchard of the fruit station of Moscow Agricultural Academy in 1953-1954 for the purpose of reducing pre-harvest apple and cherry fruit fall-off by spraying for 2-3 weeks before the harvest with weak solutions of 1-naphthyl acetic acid at 0.001%, 2,4-D at 0.00055% and 2,4,5-T at 0.002%. The fruit fall-off was cut from 20-32 to 5.6-14.5%. There was an increase in sugar content in the fruit and a reduction in acidity, a higher ascorbic acid content was noted.

Card 1/2

ASKINAZI, D.L.; VOL'FKOVICH, S.I.; KATALYMOV, M.V.; PETERBURGSKIY, A.V.; SOKOLOV, A.V.; SHEDEROV, S.G.; SHKONDE, E.I.

In memory of Oskar Karlovich Kedrov-Zikhman. Pochvovedenie no.7:126-127 Jl '64. (MIRA 17:8)

PETERBURGSKIY, Aleksandr Vasil'yevich, doktor sel'skokhoz.nauk;
KAPSHEL'SON, S.M., red.; ATROSHCHENKO, L.Ye., tekhn.red.

[Mixed fertilizers] Slozhnye udobreniia. Moskva, Izd-vo "Znanie," 1959. 30 p. (Vsesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii. Ser.5, Sel'skoe khoziaistvo, no.19) (MIRA 12:8)
(Fertilizers and manures)

BUSSENGO, Zhan Batist [Boussingault, Jean Baptiste]; TIMIRYAZEV, K.A.; PRYANISHNIKOV, D.N.; LEBEDYANTSEV, A.N., prof.; PETERBURGSKIY, A.V., prof.; BOYARSKAYA, L.S., red.; GOR'KOVA, Z.D., tekhn.red.

[Selected works on plant physiology and agricultural chemistry] Izbrannye proizvedeniia po fiziologii rastenii i agrokhimii. Vvodnye stat'i K.A. Timiriazeva i dr. Izd.2. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1957. 544 p. [Translated from the French.] (MIRA 12:1)

(Agricultural chemistry) (Botany--Physiology)

Card 1/1

PETERBURGSKIY, A.V.

"Change of the Forms of Potassium in Sod-podzolic Soils as the Result of Long Application of Potassium Fertilizers."

(Moscow Agricultural Academy im. Timuryazev)
report to be presented at the 7th Intl Soil Science Congress, Madison, Wisconsin, 15-23 August 1960

NIKOLAYEV, A.P., otv. red.; SHKOL'NIK, B.I., kand. med. nauk, red.; BAKSHEYEV, N.S., prof., red.; VINOGRADOVA, S.P., prof., red.; GRISHCHENKO, I.I., prof., red.; KORNILOVA, A.I., kand. med. nauk, red.; KONSTANTINOV, V.A., prof., red.; MEDYANIK, R.V., red.; PAP, A.G., kand. med. nauk, red.; PETERBURGSKIY, F.Ye., prof., red.; SAVITSKIY, V.N., prof., red.; STEPANKOVSKAYA, G.S., kand. med. nauk, red.; TIMOSHENKO, L.V., dots., red.; YANKELEVICH, Ye.Ya., prof., red.

[Transactions of the Third Congress of Obstetricians and Gynecologists of the Ukrainian S.S.R.] Trudy III s"ezda akusherov-ginekologov Ukrainskoi SSR. Kiev, Gosmedizdat, 1962. 370 p. (MIRA 17:5)

1. S"yezd akusherov-ginekologov Ukrainskoy SSR. 3d, Kharkov, 1961. 2. Deystvitel'nyy chlen AMN SSSR (for Nikolayev).

PETERBURGSKIY, F. Y e.

"Inflammatory Diseases of the Cervix Uteri," Fel' dsher i Akusher., No. 4, 1948.

PETERBURGSKIY, F. Ye.

Dissertation: "Data on the Question of Conservative Surgery of Nonmalignant Neoplasms of the Ovaries." Dr Med Sci, Central Inst for the Advanced Training of Physicians, 29 Jun 54. (Vechernyaya Moskva, Moscow, 21 Jun 54)

SO: SUM 318, 23 Dec, 1954

PETERBURGSKIY, Fedor Yemel'yanovich

[Surgical treatment of benevolent cysts and cystomas of the ovaries] Khirurgicheskoe lechenie dobrokachestvennykh kist i kistom iaichnika. Moskva, Medgiz, 1958. 197 p. (MIRA 12:2)
(OVARIES--TUMORS)

PETERBURGSKIY, P.

The S-381 triple pneumatic bush hammers. Avt.dor. 25 no.4:28 Ap '62. (MIRA 15:5)

(Pneumatic tools)

ACC NR: AP6035841 (A) SOURCE CODE: UR/0413/66/000/020/0050/0050

INVENTOR: Peterburgskiy, P. T.

ORG: none

TITLE: Expansion joint unit for concrete paved highways and airports. Class 19, No. 187068

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 20, 1966, 50

TOPIC TAGS: highway construction, highway engineering, highway expansion joint

ABSTRACT: An Author Certificate has been issued for an expansion-joint unit for concrete-paved highways and airports, which inlcudes a deformable packing and dowels. In order to maintain the dowels in a particular position, they are attached to the deformable packing via cones formed by supporting rings and bracing rods. Orig. art. has: 1 figure.

SUB CODE: 13/ SUBM DATE: 08Jun65/

Card 1/1 UDC: 625.848.002.54

PETEREK, M.

"Grinding stones for polishing terrazzo floors." p. 62. (MATERIALY BUDOWLANE, Vol. 8, no 2, Feb. 1953, Warszawa, Poland)

SO: Monthly List of East European Accessions, L. C., Vol. 3, No. 5, May 1954, Uncl.

PETERA, S.; MACZYNSKA, T.

A tavern in Nadarzyn.

P. 10 (TURYSTA) Poland, No. 4, Apr. 1957

SO: Monthly Index of East European Accessions (AEEA) Vol. 6, No. 11, November 1957

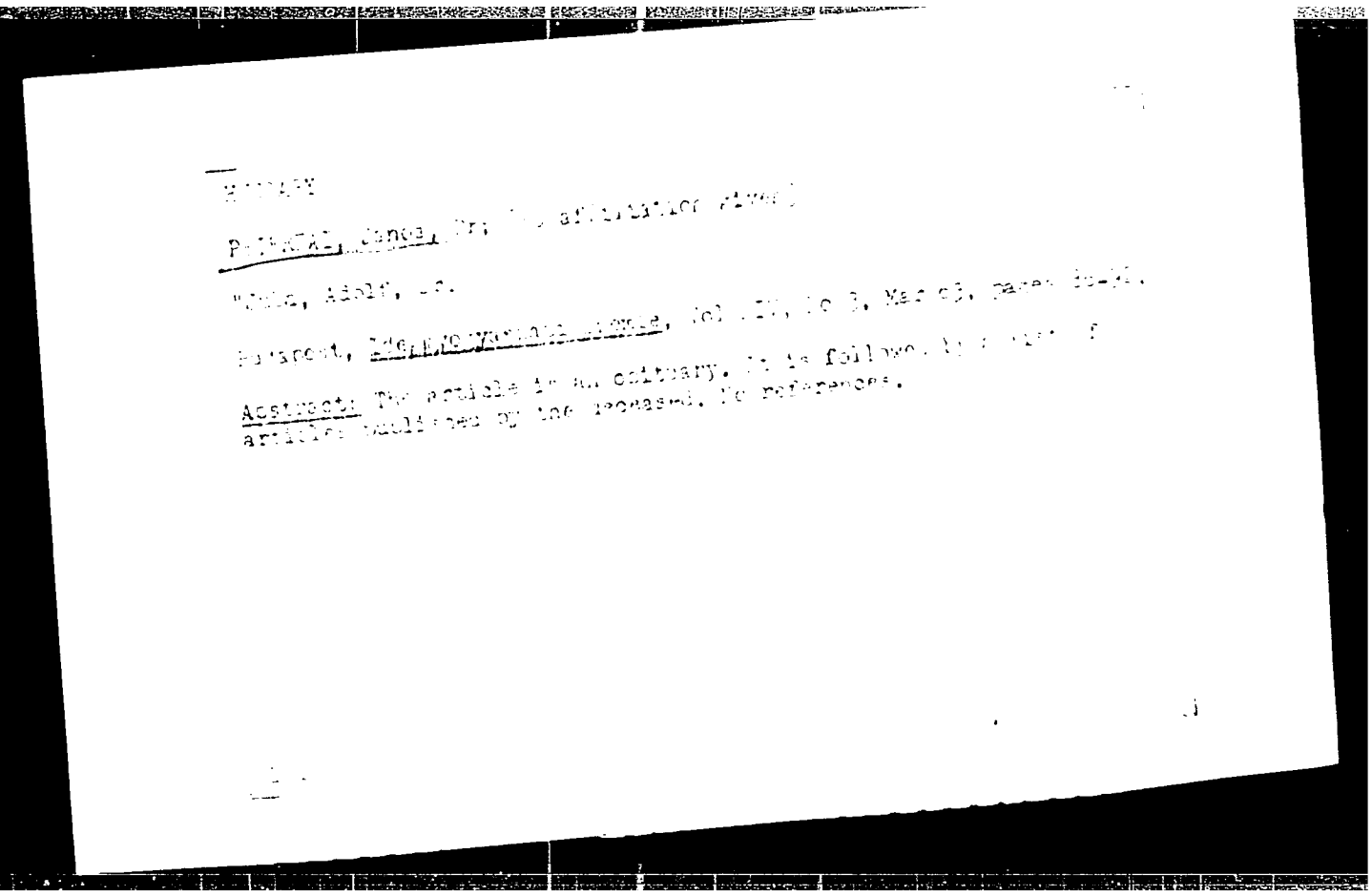
JUBA, A.; PETERFAI, J.

On subacute sclerosing leukoencephalitis. Acta med.hung. 16 no.3: 217-231 '61.

1. Neuropsychiatrische Abteilung des Komitatskrankenhauses, Gyula, und Nervenabteilung des Stadtischen Krankenhauses, Baja.
(ENCEPHALITIS pathol)

PETERFAI, J.

Dr. Adolf Juba. Ideggyogy. szemle 16 no.3:86-92 Mr '62.
(BIOGRAPHIES)



Abstract: The article in its obituary. It is follow

PETERFALVI, S.; GIPPERT, L.; KOVACS, L.

"Increasing the Endurance of the Edge of Saw Blades by Coating Them With Hard Metal; An Innovation by J. Wildmann", P. 92, (FAIPAR, Vol. 4, No. 3, Mar. 1954, Budapest, Hungary)

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