S/186/61/003/004/006/007
E037/E119

21.4200

AUTHOR: Mefod'yeva, M.P.

TITLE: Study of neptunium complexes with Trilon B by the electrophoresis method

PERIODICAL: Radiokhimiya, 1961, Vol.3, No.4, pp. 506-508

TEXT: Np(IV) Complexes. Spectrophotometric data (Ref.1: A.D. Gel'man, M.P. Mefod'yeva, DAN, 124, 4, 815 (1959)) show that below pH 2 neptunium(IV) forms one complex $[NpH_2Y]^{2+}$ with stability constant $K = (5.7 \pm 3.4) \times 10^7$. On increasing pH the absorption maxima are displaced towards the long wavelength region. Above pH 2 Np^{4+} hydrolyses and disproportionates so that spectrophotometric data cannot be used to determine the nature of the complex formed in the pH range 3-6.5. Accordingly the method of electrophoresis was used. The β-active tracer Np^{239} (obtained from Yu.A. Zolotov) was used together with a 0.05 M Trilon B solution. At pH 4.4 the activity distribution curve from electrophoresis on a strip of chromatographic paper has two maxima in the anionic region and at pH 2.7 there is one maximum in the anionic region. These data show that under these conditions Np(IV)

Card 1/2

Study of neptunium complexes with ... S/186/61/003/004/006/007
E037/E119

forms anionic complexes with Trilon B. The two close maxima are possibly due to addition of an OH^- group.

Np(V) Complexes. Spectrophotometric data show that with large excess of Trilon B Np(V) forms the complex ion $[NpO_2Y]^{3-}$ with $K = (2.26 \pm 0.36) \times 10^{10}$. Electrophoresis experiments using a Trilon B solution (0.05 M) at pH 7.7 confirm this result. Spectrophotometric data also show that in an equimolar solution of Np(V) and Trilon B at pH 3.25-4.4 the binuclear complex $[(NpO_2)_2Y]^{2-}$ is formed with $K = (2.24 \pm 0.08) \times 10^{15}$. Electrophoresis of equimolar (5×10^{-4}M) solutions at pH 4 yields a split maximum in the anionic region, presumably due to the binuclear complex and $[NpO_2Y]^{3-}$.

Acknowledgments are expressed to Professor A.D. Gel'man, B.A. Zaytsev and T.S. Shevelkina for useful advice and help.

There are 4 figures and 2 Soviet references.

SUBMITTED: March 4, 1960.

Card 2/2

43228

S/844/62/000/000/027/129
D244/D307

AUTHORS: Gel'man, A. D., Mefod'yeva, M. P., Pikayev, A. K. and Glazunov, P. Ya.

TITLE: Radiolysis of aqueous solutions of tetra- and hexavalent neptunium

SOURCE: Trudy II Vsesoyuznogo soveshchaniya po radiatsionnoy khimii. Ed. by L. S. Polak. Mosoow, Itd-vo AN SSSR, 1962, 167-170

TEXT: In connection with the recovery of Np from atomic reactors, the radiolytic reduction of Np^{VI} was investigated in perchloric, sulphuric and nitric acid solutions. Also investigated was the oxidation of Np^{VI} in H_2SO_4 solutions. The radiation source was an electron accelerator, the energy of electrons being up to 1.0 - 1.3 Mev. The dosage was about 4.5×10^{15} ev/ml.sec and the initial energy of electrons 0.7 to 0.8 Mev. All solutions were saturated with air. In

Card 1/3

solutions of Np^{VI} in $HClO_4$, H_2SO_4, and HNO_3, the reduction to Np^{V} but not to Np^{IV} took place. In 4 M HNO_3, the reduction of Np^{VI} ceased almost completely. In $HClO_4$, the formation of Np^{V} was proportional to the radiation dose (from ~6 to 8 x 10^{18} ev/ml). $G(NpO_2^+)$ in HNO_3 solutions decreased with the increasing concentration of HNO_3. In 0.86 N H_2SO_4 solutions $G(NpO_2^+)$ increased with the dosage. Np^{IV} is oxidized to Np^{V} without the formation of Np^{VI}. In 0.8 N H_2SO_4 containing 0.001 M Np^{IV}, the formation of Np^{V} increased with the dosage. Thus the form of Np which is most stable to the radiation is Np^{V}. It is believed that the reduction of Np^{VI} in 0.86 N H_2SO_4 is due to the action of H and H_2O_2 and the oxidation of Np^{IV} is caused by the action of OH radicals and H_2O_2. There are 2 figures and 2 tables.

Card 2/3

Radiolysis of aqueous ... S/844/62/000/000/027/129
D244/D307

ASSOCIATION: Institut fizicheskoy khimii AN SSSR (Institute of Physical Chemistry AS USSR)

Card 3/3

ACCESSION NR: AP4020056 S/0186/64/006/001/0035/0042

AUTHOR: Gel'man, A. D.; Mefod'yeva, M. P.; Kiselova, Ye. D.; Glazunov, M. P.; Kodochigov, P. N.; Peretrukhin, V. F.

TITLE: Precipitation of Np sup 239 from irradiated uranium by ion exchange method

SOURCE: Radiokhimiya, v. 6, no. 1, 1964, 35-42

TOPIC TAGS: precipitation, Np sup 239, irradiated uranium, ion exchange method, uranium dioxide, gamma spectrum, beta spectrum, uranium

ABSTRACT: A method was developed for precipitating Np^{239} from uranium dioxide, by irradiating it with neutron flux, using a solution of the target in 8M nitric acid with hydrazine addition, sorption in the anion exchanger AB-17 and desorption of 0.1M HNO_3. After a single filtration through the column with AB-17, Np^{239} which is practically free from fragment activity is obtained. A high degree of refinement is confirmed by study of the γ and β spectra of precipitated Np^{239}. "The authors are very grateful to Yu. A. Zolotov from whom the Np^{239} was obtained." Orig. art. has: 6 figures.

Card 1/2

L 00035-66 EWT(m)/EPF(n)-2/EWP(j)/T/EWP(t)/EWP(b) IJP(c) JD/WW/JG/RM
ACCESSION NR: AP5020303 UR/0186/65/007/004/0410/0419
541.49:546.799.3.5:661.733

AUTHOR: Moskvin, A. I.; Mefod'yeva, M. P.

TITLE: Formation of pentavalent neptunium complexes in lactate and glycolate solutions

SOURCE: Radiokhimiya, v. 7, no. 4, 1965, 410-419

TOPIC TAGS: neptunium compound, complex compound

ABSTRACT: The recent determination of the composition and stability constants for complexes formed by NpO_2^+ ion with oxalic, citric and tartaric acids led the authors to obtain data on the complex formation of NpO_2^+ ion with lactic and glycolic acids. They used the experimental procedure described in *Zhur. neorg. Khim. 6*, 1813 (1961) and *Radiokhimiya 6*, 214 (1964) to study the distribution of Np (V) between the cationite KU-2 and lactic acid solutions of different concentrations. The equilibrium concentration of different forms of Np (V) as a function of the concentration of Lact is shown in Fig. 5 (Enclosure 01). The concentration of lactic acid was varied within 0.005-0.2 M range and pH 6.5. The ionic strength values were μ=0/05 and μ=0.2. Two lactate complexes were discovered: $[NpO_2Lact]^0$ and $[NpO_2(Lact)_2]$.

Card 1/3

L 00035-66
ACCESSION NR: AP5020303

The concentration stability constants for these two complexes are:
$\beta_1=51\pm1$, $\beta_2=(3.0\pm1.0)\cdot10^2$ ($\mu=0.05$)
$\beta_1=36\pm1$, $\beta_2=(1.6\pm0.1)\cdot10^2$ ($\mu=0.2$)
respectively. Electrophoresis produced distribution curves which show that in lactate solutions neutral complex is predominant. In glycolate solutions of complexes only an electrically neutral complex of Np (V) is formed. The stability constant of this complex is 40 ± 7. The thermodynamic equilibrium constants were calculated and listed with those of other neptunyl complexes. Acid anions arranged in decreasing order of complex formation are as follows:
$Y^{4-} > cit^{3-} > C_2O_4^{2-} > HPO_4^{2-} > tart^{2-} > HCO_3^- > SO_3^{2-} > Ac^- \approx Glyc > Lact^-$
Orig. art. has: 4 tables and 8 figures.

ASSOCIATION: none

SUBMITTED: 14Dec64 ENCL: 01 SUB CODE: IC, GC

NO REF SOV: 015 OTHER: 003

Card 2/3

L 00035-66
ACCESSION NR: AP5020303

ENCLOSURE: 01

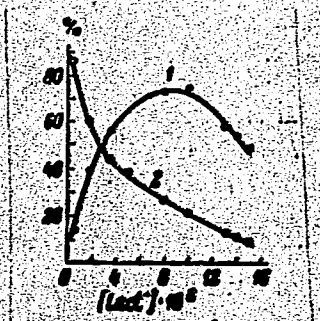


Fig. 1. Equilibrium concentration of different forms of Np (V) as a function of concentraction of Lact in solutions (the total content of neptunium in the solution is taken as 100%)
1- $[NpO_2Lact]^o$; 2- $[NpO_2^+]$

Card 3/3

GEL'MAN, A.D.; MEFOD'YEVA, M.P.; KISELEVA, Ye.D.; GLAZUNOV, M.P.; KODOCHIGOV, P.N.; PERETRUKHIN, V.F.

Isolation of neptunium-239 from irradiated uranium by means of ion exchange. Radiokhimiia 6 no. 1:35-42 '64. (MIRA 17:6)

RUMANIA / Cultivated Plants. Fodder Grasses and Edible Roots. M

Abs Jour : Ref Zhur - Biologiya, No 6, 1959, No. 24930

Author : Mega, L.
Inst : Not given
Title : Investigation of Esparcet's State Under Conditions of the Baragan Valley

Orig Pub : Probl. agric., 1958, 10, No 6, 36-42

Abstract : Comparative tests of esparcet varieties of miscellaneous origin, of the local alfalfa variety and the hybrid esparcet varieties, Baragan 1 and Baragan 2, out of the interspecies hybridization of Onobrychis sativa and O. antasiatica by Agricultural Experimental Station Markulesti. The variety Baragan 2 yielded the greater harvest and

Card 1/2

RUMANIA / Cultivated Plants. Fodder Grasses and Edible Roots. M

Abs Jour : Ref Zhur - Biologiya, No 6, 1959, No. 24930

was more resistant to frost and drought. O. sativa is richer in protein and is poor in non-nitrogen extractive substances.

Card 2/2 95

ZAYONTS, O.L.; MEGAL, P.D.

Using the EBK-2m electric drill for drilling exploration mining holes with diamond bits. Razved. i okh. nedr. 30 no.8:59-60 Ag '64. (MIRA 17:10)

1. Zakarpatskaya ekspeditsiya.

K.

USSR/Forestry - Forest Cultivation.

Abs Jour : Ref Zhur - Biol., No 4, 1958, 15377

Author : P.N. Megalinskiy

Inst : -

Title : Evaluating the Make-Up of Mixed Underwood.
(Ob otsenke sostava smeshannykh molodnyakov).

Orig Pub : Nauch. tr. Ukr. s.-kh. akad., 1956, 8, 245-249

Abstract : The absolute quantity of undergrowth or trees representative of the main species in mixed underwood, on the basis of which the adequacy or insufficiency of these kinds may be determined for cultivating plantings of value, is frequently not specified by the composition formula with the accuracy required by industry. As an example of the methodological procedure used to solve this problem, a scale is proposed, calculated

Card 1/2

MEGALINSKIY, Ye. I., Eng.; RUTENSHTEYN, L. G., Eng.; IL'INA, N. I., Eng.

"Improving the Technology of Protective Coatings" p. 552-571 in book Increasing the Quality and Efficiency of Machinery, Moscow, Mashgiz, 1957, 626pp.

[redacted]

New technology of the cleaning and priming of casts. Lakokras.mat.i ikh prim. no.5:52-55 '60. (MIRA 13:11)
(Cast iron--Painting)

MEGALINSKIY, Ye.I.

Mechanization and improvement of tractor painting in the Chelyabinsk Tractor Plant. Lakokras.mat.i ikh prim. no.5: 74-77 '62. (MIRA 16:1)

(Chelyabinsk--Tractors--Painting)

MEGALOV, A. A.

A. A. Megalov, Control of Pests and Diseases of Agricultural Plants, Saratov Oblast State Publishing House, Saratov, 1949, 290 pp. 464.4 M472

SO: Sira Si 90-53, 15 Dec 1953

1. MEGALOV, A.A.

2. USSR (600)

7. Kak Borot'sya s Vreditelyami i Boleznyami Sel'skokhozyaystvennykh Rasteniy (How to Struggle with the Pests and Diseases of Agricultrual Plants), 51pp, Saratov, 1951.

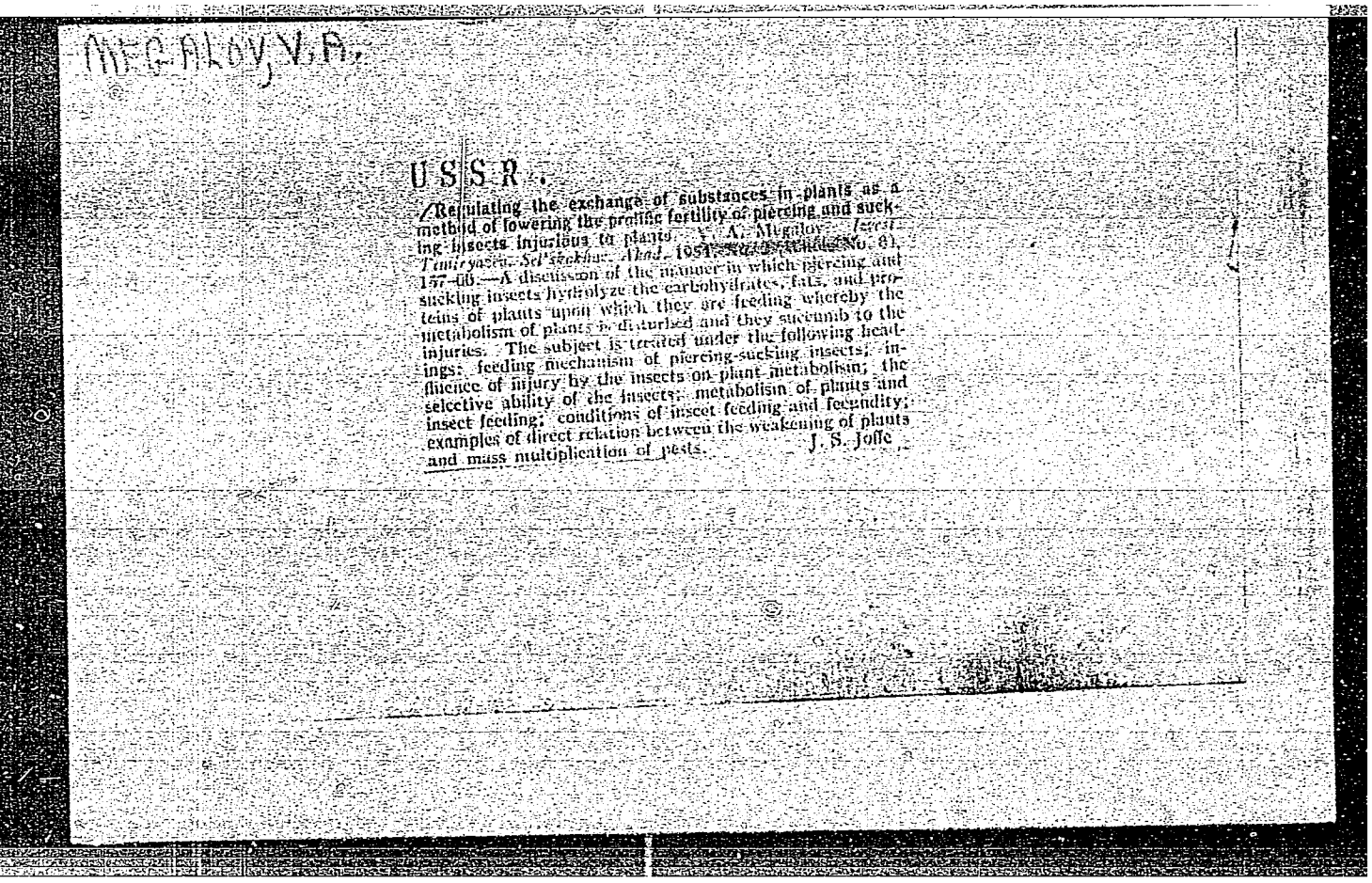
9. Mikrobiologiya, Vol XXI, Issue 1, Moscow, Jan-Feb 1952, pp 121-132. Unclassified.

MEGALOV, V. A.

Agriculture

Detecting insect pests of field crops, Sel'khozgiz 1951

Monthly List of Russian Accessions, Library of Congress, June 1953, Uncl.



MEGALOV, V.P.

USSR

/Regulating the exchange of substances in plants as a method of lowering the prolific fertility of piercing and sucking insects injurious to plants. V. A. Mygalov. *Izvest. Timiryazev. Sel'skokhoz. Akad.* 1954, No. 1(61), 177–86.—A discussion of the manner in which piercing and sucking insects hydrolyze the carbohydrates, fats, and proteins of plants upon which they are feeding whereby the metabolism of plants is disturbed and they succumb to the injuries. The subject is treated under the following headings: feeding mechanism of piercing-sucking insects; influence of injury by the insects on plant metabolism; the selective ability of the insects; metabolism of plants and insect feeding; conditions of insect feeding and fecundity; examples of direct relation between the weakening of plants and mass multiplication of pests. — J. S. Joffe

MEGALOV, V.A.

USSR/General and Special Zoology. Insects. Injurious Insects and Ticks. Pests of Cereal Crops P

Abs Jour : Ref Zhur - Biol., No 11, 1958, No 49595

Author : Megalov V.A.
Inst :
Title : Chemical and Agrotechnical Methods of Protecting Corn from Wireworms.

Orig Pub : Kukuruza, 1956, No 9, 43-45

Abstract : When seeds are sown early in the year in cold soil, especially in zones with slow increase of temperatures in the spring, and the more so when the seeds are deeply embedded, they lie for 20-30 days in the ground without germination, then they decay greatly or are damaged by wireworms. Best effect against the wireworms in Moscow Oblast had the treatment of the seeds at an early sowing of corn with 12% hexachlorocyclohexane (HCCH) (0.5 kg/c). When seeds not dusted with

Card : 1/2

MEGALOV, V.A.

COUNTRY : USSR

CATEGORY : [illegible] Entomology. Insects. Insects on [illegible] Fields.

REF. JOUR. : [illegible], No. 4, 1959, No. [illegible]79

AUTHOR : Megalov, V.A.

INST. : --

TITLE : A Study of [illegible] Pests in the Development of Control Measures.

ORIG. PUB. : [illegible]

ABSTRACT : No abstract

CARD: 1/3

COUNTRY :
CATEGORY :

[illegible], [illegible], [illegible] 18, [illegible].

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : [illegible] tion [illegible] from 10°, which to a considerable ext[illegible] protects the [illegible] from damage by corn borers. [illegible] [illegible] effectiveness [illegible] achieved with dusting, with 12 [illegible] (0.5 [illegible]/centnar) of [illegible] [illegible] no significant difference [illegible] between the effect of [illegible] centnar [illegible] [illegible].

CARD: 1/2

MEGALOV, V.A., kand.sel'skokhozyaystvennykh nauk, dotsent

Dusting corn with insecticides before planting as a means of controlling wireworms [with summary in English]. Izv. TSKha no.5:64-74 '60. (MIRA 13:11)
(Wireworms) (Insecticides)

MEGALOV, V.A., kand.sel'skokhozyaystvennykh nauk, dotsent;
PAN SYUN-FEY [P'ang Hsiung-fei], kand.sel'skokhozyaystvennykh nauk

Protecting corn from the frit fly [with summary in English]. Izv. TSKhA no.2:72-84 '61. (MIRA 14:8)
(Corn (Maize))--Diseases and pests)
(Frit flies)

MEGALOV, V.A., kand.sel'skokhozyaystvennykh nauk

Paying more attention to plant protection through cultivation practices. Zashch. rast. ot vred. i bol. 7 no.1:15-16 '62. (MIRA 15:6)

1. Moskovskaya ordena Lenina sel'skokhozyaystvennaya akademiya im. K.A. Timiryazeva.
(Plants, Protection of)

BOGAN, F.Ye.; LANINA, L.B.; MEGAL'SKIY, K.O.; SOKOL'SKIY, S.M.; YAZAN, Yu.P.; KNORRE, Ye.P.; SOLOV'YEVA, M.Ye., red.; OPLESNIN, I.I., tekhn. red.

[Reservation in Pechora; popular science sketch] Zapovednik na Pechore; nauchno-populiarnyi ocherk. [By] F.E. Bogan i dr. Syktyvkar, Komi knizhnoe izd-vo, 1963. 114 p. (MIRA 16:10)

(Pechora Valley--National parks and reserves)

MEGAVORYAN, L. O.

Agricultural Machinery

Universal root-puller assembly developed by the Central Scientific R search Institute of Wood Chemistry, Der. i lesokhim. prom. 1, No. 7, 1952.

9. Monthly List of Russian Accessions, Library of Congress, June 1953, Uncl.

MEGAVORYAN, L. O.

Forestry Engineering

Mechanization and efficient performance of grubbing work, Les. khoz., 5 No. 3 (42), 195 2

Monthly List of Russian Accessions, Library of Congress, July 1952. Unclassified.

MECAVORIAN, L. O.

Tree Felling

Mechanizing the sawing of resinous fir stumps. Der. i lesokhim. prom. 2, No. 3, 1953.

Monthly List of Russian Accessions, Library of Congress
June 1953. UNCL.

MEGAVORYAN, L.O.

118-58-4-8/23

AUTHOR: Megavoryan, L.O., Candidate of Technical Sciences

TITLE: Multi-purpose Machine "TsNIIME-KBK" (Agregat TSNIIME-KBK)

PERIODICAL: Mekhanizatsiya Trudoyemkikh i Tyazhelykh Rabot, 1958, Nr 4, pp 23-24 (USSR)

ABSTRACT: The Tsentral'nyy nauchno- issledovatel'skiy institut mekhanizatsii i energetiki lesnoy promyshlennosti (The Central Scientific Research Institute for Mechanization and Power Engineering in the Lumber Industry) has developed a multi-purpose machine for the building of wood transportation roads. The machine is assembled on the base of a S-80 tractor. In addition to its permanent equipment, the machine also has a universal uprooting frame, a bulldozer moldboard, and a trench digger. Under working conditions, the operator and his assistant can set up or take down the uprooting frame or the moldboard within 10 to 15 minutes. The exchange of the trench digger takes 20-30 minutes. For winter work, the TsNIIM-KBK should be equipped with a snow plow, and with devices for the building of ice roads for wood transportation and their maintenance. The production of these multi-purpose machines has begun.

Card 1/2

Multi-purpose Machine "TsNIIME-KBK" 118-58-4-8/23

There is 1 figure, and 1 photograph.

AVAILABLE: Library of Congress

Card 2/2 1. Road building equipment 2. Lumber industry-Equipment

MEGAVORYAN, L., inzh.

Mounted equipment for the S-80 tractor. Stroitel' no.9:13 '58. (MIRA 13:3)
(Tractors--Equipment and supplies)

MEGAY, Geza

A history of watchmaking in Miskolc. II. Borsod szemle 7 no.1:64-69 '63.

1. Miskolci Herman Otto Muzeum tudomanyos munkatarsa.

CA MEGAY, K.

IIC

A mixture of tyrothricin and β-phenoxyethyl alcohol in aqueous for vaccine virus and method of purifying smallpox vaccine. E. Kaiser, K. Megay, and M. Pantlschko (Univ. Vienna). *Boll. ist. sieroterap. milan* 29, 247-51 (1950).— Synergistic action of tyrothricin (I) and β-phenoxyethyl alc. (II) in control of bacteria in smallpox vaccine was shown. By use of 0.5 vol. % II and 0.1% I glycerinated lymph was sterile in 7 days. Added *E. coli* and *Pseudomonas aeruginosa* were similarly controlled. M. Elbert

1951

MECAY, L. 1948

"Begign Gastric Tumours. of Connective Tissue."

Orvosck Lapja, Budapest 1948, 4/30(970-972)

Abst: Exc. Med. V. Vol. 11, No. 11, p. 838

MEGAY, Laszlo, dr.

Possibilities of roentgenological diagnosis of gastritis, and its difficulties. Magy. radiol. 8 no.1:12-23 Feb 56.

1. A Szovetseg utcai korhaz (igazgato: Fekete, Sandor dr. kandidatus) roentgenosztalyanak (foorvos: Megay, Laszlo dr.) kozlemenye.

(GASTRITIS
chronic, x-ray diag. (Hun))

ACC NR: AP6032044 SOURCE CODE: UR/0145/66/000/005/0[illegible]

AUTHOR: Meged', L. V. (Graduate student)

ORG: None

TITLE: Determining the true deviations of the driven element from the [illegible] position during the idle period for a mechanism with interruptions

SOURCE: IVUZ. Mashinostroyeniye, no. 5, 1966, [illegible]

TOPIC TAGS: mechanical engineering, drive train

ABSTRACT: The author analyzes deviation of the driven element from the [illegible] position during the shutdown period for a mechanism with interruptions and derives a formula for determining the angle of deviation. This formula is used as a basis for recommendations on reducing the angle of deviation of the driven element from the [illegible] position during the idling period by reducing the time required for rotation of the driving element through a given angle and by geometric alterations. The article was presented for publication by Candidate of technical sciences, Docent [illegible], Moscow Aviation Institute. Orig. art. has: 3 figures, 17 formulas.

SUB CODE: 13/ SUBM DATE: 24Oct64/ ORIG REF: 003

Card 1/1 jb UDC: 62-1[illegible].4

ZAYTSEV, Aleksandr Nikolayevich [Zaitsev, O.]; MEGEDA, Karp Yevtikhiyevich [Mehеda, K.]; NEVSTRUYEV, Leonid Danilovich; DYACHKO, I.P., red.; YEDEL'MAN, N.L., tekhn.red.

[Toward our program for 1965] Na rubezhi 1965. Kyiv, Kyivs'ke obl.knyzhkovo-gazetne vyd-vo, 1960. 16 p.

(Kiev--Railroads--Cars) (MIRA 14:1)

MEGELA, G.M.

Promoting communist labor. Gidroliz. i lesokhim. prom. 14 no.7:28 '61. (MIRA 14:11)

1. Perechinskiy lesokhimicheskiy zavod.
(Perechin--Wood--Chemistry)

TESAR, J.; NADVORNIK, F.; FANTIS, A.; MEGELA, J.

Analysis of the origin of fatal brain contusions. Cesk. neurol. 26 no.5:325-329 S '63.

1. Katedra soudniho lekarstvi fakulty vseobecneho lekarstvi KU v Praze, vedouci doc. dr. J. Tesar, CSc. I chirurgicka klinika fakulty vseobecneho lekarstvi KU v Praze, prednosta prof. dr. J. Pavrovsky.
(BRAIN INJURY, ACUTE) (HEMATOMA, SUBDURAL)
(SKULL FRACTURES)

FANTI[illegible], [illegible], MIKULA[illegible], VANCURA, [illegible].

I. I. chirurgicka klinika fakulty vseobecneho lekarstvi Karlovy University v Praze, (prednosta prof. dr. [illegible] Pavlovsky) a Radiologicka klinika fakulty vseobecneho lekarstvi Karlovy University (prednosta prof. dr. V. [illegible]).

Intrapulmonal radicular cysts. Cesk. pneumol. 27 no. [illegible] 1964.
322 S 164.

CZECHOSLOVAKIA

FANTIS, A.; MEGELA, J.; STAMIDIS, L.; 1st Surgical Clinic (I. Chirurgicka Klinika), Head (Prednosta) Prof Dr J. PAVROVSKY; 4th Internal Clinic (IV. Interni Klinika) Head (Prednosta) Prof Dr M. FUCIK, Faculty of General Medicine, Charles University (Fak. Vseob. Lek. KU), Prague.

"Surgical Treatment of Apoplectic Hemorrhage."

Prague, Ceskoslovenska Neurologie, Vol 29, No 5, Sep 66, pp 317 - 320

Abstract [Authors' English summary modified]: Surgical treatment of 20 cases of apoplexy is described. Evacuation of the apoplectic hemorrhage was executed in 12 cases. General condition improved in 6 patients, 4 died. Where there are indications that the treatment will be successful, the removal of the hemorrhage should be carried out. 2 Figures, 1 Table, 13 Western, 1 Czech reference.

1/1

puncture is recommended. 3 Figures, 1 Table, 9 Western, 4 Czech, 2 Russian references.

OL' SHANETSKIY, A.A.; LUTSENKO, G.S.; MEGELA, R.M.

Using plastics in resection of the liver. Eksper.khir. 2 no.6: 54-58 N-D '57. (MIRA 11:2)

1. Iz eksperimental'noy laboratorii Zakarpatskoy oblastnoy klinicheskoy bol'nitsy (glavnyy vrach G.S.Lutsenko)
(LIVER, surg.
resection, hemostasis with plastic cuff in dogs (Rus))
(PLASTICS
plastic cuff for hemostasis in liver resection in dogs (Rus))

MEGELISHVILI, T.G.; TOROSHELIDZE, T.I.

Variations in sodium luminance in twilight. Biul. Abast. astrofiz. obser. 32:165-182 '65. (MIRA 18:10)

GUSEYNOV, G.A.; ABDULLAYEV, S.A.; MEGERRAMOV, Sh.A.

Effect of growth substances of petroleum origin on the regeneration of blood in animals. Uch. zap. AGU. Biol. ser. no.6:57-65 '59.
(MIRA 15:5)

(GROWTH PROMOTING SUBSTANCES) (BLOOD)

MEGEV, V.

SURNAME, Given Names

Country: Bulgaria

Academic Degrees: not given

Affiliation: not given

Source: Sofia, Matematika i Fizika, Vol IV, No 5, Sep/Oct 1961, pp 63-64

Data: "New Books on Physics." (Book reviews)

GPO 981643

S.MEGGYES, Klara

What is the origin of the word "igyog" the significance of which is warning in our village? Elet tud 17 no.45:1414 11 N '62.

1. Magyar Tudomanyos Akademia Nyelvtudomanyi Intezetenek tudomanyos munkatarsa.

S.MEGGYES, Klara

What is the origin of the work vertelek, the name of the triangular air and lighting vents constructed on the end of straw-roofed houses facing the street? Elet tud 17 no.45:1430 11 N '62.

1. Magyar Tudomanyos Akademia Nyelvtudomanyi Intezetenek tudomanyos munkatarsa.

KOVATS, Ferenc, dr., Jr., ; MEGGYESHAZI, Janos, dr.; ; BALOGH, Palne dr.; ;
VEDRES, Sarolta, dr.

Morphology and roentgenology of the round tuberculous shadows in the lung. Tuberk. kerdesei 9 no.1:1-5 Feb 56.

1. Az Orszagos Koranyi TBC Gyogyintezet (igazgato Dessauer Pal dr., tudomanyos vezeto:Sebok Lorand dr.) II. Belosztalyanak (foorvos: Kovats Ferenc dr. jr.) kozlemenye.
(TUBERCULOSIS, PULMONARY, radiography
round foci, classif. & pathol. corelations (Hun))

KERENYI, Imre, dr.; KOVATS, Ferenc, dr., jun.; MEGGYESHAZI, Janos, dr.

Surgery of mediastinal lymph node conglomerates in miliary pulmonary tuberculosis. Tuberk. kerdesei 9 no.2:71-74 Apr 56.

(TUBERCULOSIS, PULMONARY
miliary, with mediastinal lymph node tuberc., surg. (Hun))
(TUBERCULOSIS, LYMPH NODE
mediastinal, with miliary pulm. tuberc., surg. (Hun))

MEGHEA,C.; DACU, Gh.; CONSTANTINESCU,M.; GALLANI,S.; IVANESCU,V.; NEGOESCU,M.

Our experience with the one-stage complex surgical cure of complicated thoracic tuberculous spndylitis. Rumanian med. rev. 7 no.3: 70-73 Ja-Mr'64.

MEGHEA, C., lector univ. (Constanta)

On differential and integral calculus in secondary schools.
Gaz mat fiz 15 no.12:693-707 D '63.

MEGHEA, C., lector

On integral and differential calculus in secondary schools Pt.2.
Gaz mat fiz 69 no.1/2:44-61 Ja-F '64.

1. Pedagogic Institute, Constanta.

DESHKIN, V.N., doktor tekhn.nauk, prof.; MEGIDEY, P.L., kand.tekhn.nauk

Corrections for the method for the installation of a thermocouple in measuring the temperature of the heat carrier in pipes with a small diameters. Energomashinostroenie 7 no.5:13-16 My '61. (MIRA 14:8)

(Temperature—Measurement)
(Water pipes)

KOSMODAMIANSKIY, A.S. [Kosmodamians'kyi, O.S.] (Saratov); MEGLINSKIY, V.V. [Mehlins'kyi, V.V.] (Saratov); SHVETSOV, V.A. (Saratov)

Stretching of an anisotropic plate with an arch-shaped hole. Prykl. mekh. 9 no.4:441-446 '63. (MIRA 16:8)

1. Saratovskiy gosudarstvennyy universitet.

KOSMODAMIANSKIY, A.S. [Kosmodamians'kyi, O.S.] (Saratov); MEGLINSKIY, V.V. [Mehlins'kyi, V.V.]; (Saratov); SHVETSOV, V.A. (Saratov)

Tension of an anisotropic plate with a trapiezoid hole reinforced with a rigid ring. Prykl. mekh. 9 no.6:683-685 '63. (MIRA 16:12)

1. Saratovskiy gosudarstvennyy universitet.

MEGLINSKIY, V.V. (Saratov)

Bending of an anisotropic elliptic plate weakened by elliptic holes. Prikl. mekh. 1 no.4:49-57 '65. (MIRA 18:6)

1. Saratovskiy gosudarstvennyy universitet.

L 43028-66 EWT(m)/EWP(w)/EWP(j)/T IJP(c) WW/EM/RM

ACC NR: AP6030173 SOURCE CODE: UR/0430/66/019/003/0014/0025

41
37
B

AUTHOR: Meglinskiy, V. V.

ORG: Saratov State University (Saratovskiy gosudarstvennyy universitet)

TITLE: Flexure of an elliptic anisotropic plate with an elliptic hole

SOURCE: AN ArmSSR. Izvestiya. Mekhanika, v. 19, no. 3, 1966, 14-25

TOPIC TAGS: plate, anisotropic plate, elliptic plate, ~~hole weakened plate, elliptic hole, plate flexure~~ stress distribution, strain

ABSTRACT: A method previously developed by the author (Prikladnaya mekhanika, no. 4, 1965) is used to solve the flexural problem of a homogeneous anisotropic elliptic plate of constant thickness weakened by a concentric elliptic hole. The plate is subjected to given bending moments uniformly distributed along its outer contour; the inner contour (the edge of the hole) is rigidly clamped. It is assumed that the plate is not orthotropic but has at any point one plane of elastic symmetry parallel to its middle surface. The elastic equilibrium of the plate is analyzed, and the solution of the problem — to find the stress and strain distribution in the plate — is reduced to determining the deflection function for the given boundary conditions by solving an infinite system of linear algebraic equations which are quasi-regular for any distance between the outer and inner contours of the plate. The solution obtained is used in numerical calculation of deflections, moments, and shear forces of a plate in order to

Card 1/2

L 43028-66

ACC NR: AP6030173 4

manifest the effect of the anisotropy of its material on the various stress and strain characteristics. The calculations were conducted on a "Ural-2" computer for plates made of aircraft plywood and of anisotropic fiberglass material. The calculated rigidities of plates, Poisson's ratios of materials, and certain flexure parameters, as well as deflections, bending moments, and shear forces at characteristic points of the contours of both plates are compared in tables and illustrated by diagrams; the essential influence of anisotropy on all these quantities is noticed. The same calculations were conducted for a plywood circular plate weakened by a concentric hole (with radii R and r, respectively) for various R/r ratios in order to estimate the effect of the relative sizes of the plate and hole. The results obtained show that a plate can be considered as an infinite one when $R/r \geq 10$. Orig. art. has: 4 figures, 30 formulas, and 4 tables. [VK]

SUB CODE: 20/ SUBM DATE: 28Jun65/ ORIG REF: 008 ATD PRESS 5067

Card 2/2

L 06043-67 EWT(m) EM

ACC NR: AP7001659 SOURCE CODE: UR/0198/66/002/006/0019/0027

AUTHOR: Meglinskiy, V. V. (Saratov) 18

ORG: Saratov State University (Saratovskiy gosudarstvennyy universitet) B

TITLE: Bending of an elliptical anisotropic plate with two elliptical holes 26

SOURCE: Prikladnaya mekhanika, v. 2, no. 6, 1966, 19-27

TOPIC TAGS: algebraic equation, solid mechanics

ABSTRACT: Using his own method reported earlier (Prikladnaya Mekhanika, vol. 1, No 4, 1965), the author provides a solution for the case where the elliptical plate with two identical elliptical holes is subjected to a bending moment equally distributed along the contours of the holes, with the outside edge of the plate rigidly clamped. The problem is reduced to a solution of an infinite system of linear algebraic equations. It is shown that the system is quasi-regular for arbitrary spacings between the centers of the holes which delimit the center surface of the plate. The anisotropy of the material is shown to be particularly influential on the nature and distribution of the bending moments. Orig. art. has: 4 figures, 3 formulas and 2 tables. [JPRS: 37,655]

SUB CODE: 20, 12 / SUBM DATE: 28Jun65 / ORIG REF: 010

Card 1/1 mc 0920 12

MEGLINSKIY, V.V.

3768-

S/198/62/008/003/001/008
D407/D301

16.7000

AUTHORS: Kosmodamians'kyy, O.S., Mehlins'kyy, V.V., and Shvetsov, V.A., (Saratov)

TITLE: Straining an anisotropic plate having a curvilinear hole reinforced by a rigid ring

PERIODICAL: Prykladna mekhanika, v. 8, no, 3, 1962, 237 - 247

TEXT: The stressed state of an anisotropic plate with a curvilinear (elliptic) hole is determined by the small-parameter method, proposed by S.G. Lekhnits'kiy (Ref. 1: Anizotropnye plastinki (Anisotropic Plates), Gostekhizdat, 1957). The function which effects a conformal mapping of the interior of the unit circle onto the exterior of the contour of the anisotropic plate, has 6 terms, viz.:

$$z = \omega(\zeta) = a\left[\frac{1+c}{2}\zeta^{-1} + \frac{1-c}{2}\zeta + \varepsilon\sum_{k=2}^{5} a_k \zeta^k\right]; \qquad (1.2)$$

Card 1/3

Straining an anisotropic plate ...

(c = b/a; a, b are axes). This makes it possible to obtain formulas for the stressed state of a plate with many holes. At infinity, the plate is subjected to uniformly distributed stresses p, which are parallel to the x-axis, and to stresses q, parallel to the y-axis. It is assumed that the deformations are small, that body forces are absent and that Hooke's generalized law applies. It is required to determine the stresses state of the plate in the neighborhood of the contour. The plate is assumed as orthotropic. The stresses σ_x, σ_y, τ_{xy} are expressed by the functions $\Phi_1(z_1)$ and $\Phi_2(z_2)$, where z is a complex variable. The functions Φ are expanded in series in the small parameter ε, and terms, up to second-order, are retained. The boundary conditions are set up. After calculations, one obtains working formulas for the stresses. In the case of an isotropic plate, the problem under consideration has an exact solution. As an example, a plate with a triangular hole is considered. The mapping function is obtained by means of expansions in terms of the Christoffel-Schwartz integral. The authors calculated the stresses which arise in the neighborhood of such holes. The results of the calculation are given in the form of graphs and tables. These lead to the

Card 2/3

following conclusions: 1) The presence of a rigid ring reduces sharply the stress concentration near the hole, (as compared to the case where the ring is absent). 2) The stress concentration in an anisotropic plate with a hole, reinforced by a ring, is lower than in an isotropic plate. If the hole is not reinforced, then the converse is true. 3) In the case of a veneer plate with a reinforced hole, the stress concentration is greater if $E_y = E_{max}$ with the strain in the direction of the x-axis, and smaller if $E_y = E_{max}$ with the strain along the y-axis. If the hole is not reinforced by a ring, then the converse is true. There are 5 figures, 4 tables and 6 Soviet-bloc references.

ASSOCIATION: Saratovs'kyy derzhavnyy universytet (Saratov State University)

SUBMITTED: November 17, 1961

Card 3/3

MEGLITSKIY, A., inzh.

Stabilization of the slopes of the Moscow Canal.
Rech.transp. 23 no.9:39-41 S '64. (MIRA 19:1)

SHMEKKER, Ya.M.; MEGNINOV, A.A.; LEONOV, I.V.; LEONOV, P.P.

Method for manufacturing reagent sulfuric acid from gases of a sulfuric acid system. Prom.energ. 11 no.6:31 Je '56.(MLRA 9:9)
(Sulfuric acid)

MEGO, M. CZECHOSLOVAKIA

No academic degree indicated

Department of Medical Jurisprudence of the Medical Faculty of Comenius University (Katedra sudneho lekarstva LFUK), Bratislava; Head of the Department: prof. H. KRSEK, MD

Bratislava, Lekarsky Obzor, No 10, Oct 62, pp 559-561

"On the Problem of Preventing Route Accident Injuries."

CZECHOSLOVAKIA / Cultivated Plants. Commercial. M-5
Oil Bearing. Sugar Bearing.

Abs Jour: Ref Zhur-Biol., No 6, 1958, 25141

Author : Pastyrik, L., Erdelsky, K., Mego, V.
Inst : Not given
Title : The Effect of Various Forms of Phosphorus Fertilizer on the Content of Other Nutrient Elements in Flax.

Orig Pub: Biol. prace, 1957, 3, No 1, 35 s., 11. (Slovakian; res. Russ., Eng., Ger.)

Abstract: Results of field tests made at the experimental base of the Slovakian Academy of Sciences in Mlynyanakh on the effect of various forms of phosphorus fertilizer on flax and on its variety used for both linseed oil and spinning fiber. The content of nutrient elements in flax was determined at the time of most intensive growth and in

Card 1/3 116

CZECHOSLOVAKIA / Cultivated Plants. Commercial. M-5
Oil Bearing. Sugar Bearing.

CZECHOSLOVAKIA / Cultivated Plants. Commercial. M-5
Oil Bearing. Sugar Bearing.

Abs Jour: Ref Zhur-Biol., No 6, 1958, 25141

Abstract: its ripening stage. Increased dosage of P raised the content of P and K in the plants, although no direct correlation was established between these phenomena. The content of N was lowered by all forms of phosphorus fertilizer and in nearly all stages. Lowered N content from the application of P appeared as a positive event, since this improved the quality of the fiber. The maximum P content was in those plants fertilized by a double dose of phosphorite in combination with granulated superphosphate. All forms and doses of P with the exception of powdered superphosphate raised the K content, which also improved the quality of the fibers. The C content did not depend on the doses and forms of phosphorus fertilizers. The best and

Card 2/3

CZECHOSLOVAKIA / Cultivated Plants. Commercial. M-5
Oil Bearing. Sugar Bearing.

Abs Jour: Ref Zhur-Biol., No 6, 1958, 25141

Abstract: most uniform plant supply of phosphorus was given by granulated superphosphate. The dosage of this must be half that of powdered superphosphate. -- A.M. Smirnov

Card 3/3

MEGO, V.

Interference of phosphate ions during the process of determining clacium in pland substances by means of flame photometer. p. 363

BIOLOGIA (Slovenska akademia vied)
Bratislava Czechoslovakia

Vol.14, no. 5, 1959

Monthly list of East European Accessions (EEAI) LC. VOL. 9, no. 1 January 1960

Uncl.

L 33569-66

ACC NR: AP6025034 SOURCE CODE: CZ/0049/65/000/009/0663/0670

AUTHOR: Mego, Vladimir (Graduate biologist; Bucany)

ORG: Central Specialized Breeding Station for Development of Root Plants from Seeds, Bucany (Hlavna specializovana slachtitelska stanica pre semenne okopaniny)

TITLE: Germination of seeds of the sugar beet (Beta vulgaris L.) at low temperatures

SOURCE: Biologia, no. 9, 1965, 663-670

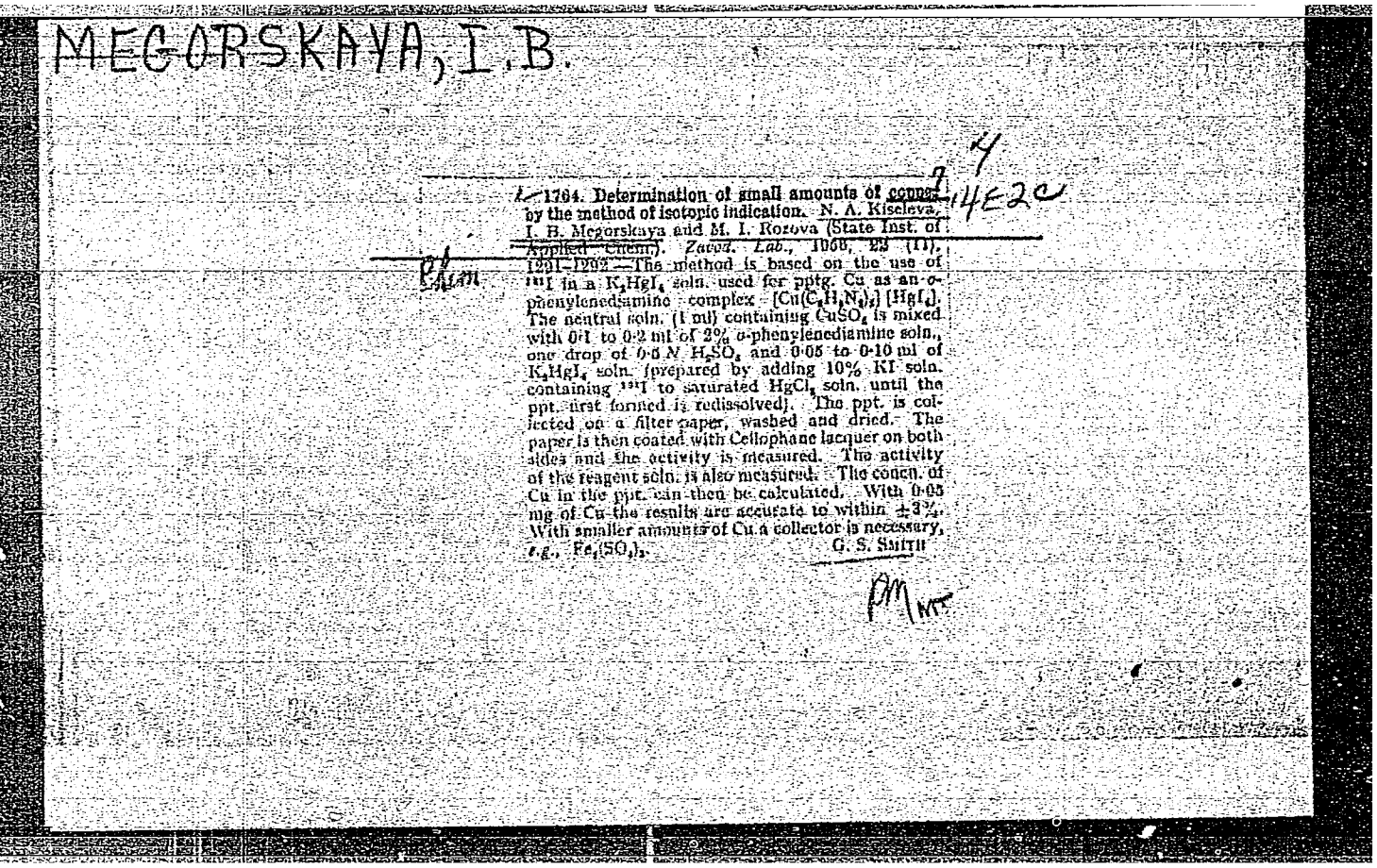
TOPIC TAGS: plant growth, plant genetics, heat biologic effect

ABSTRACT: Study of germination of 8 strains of common sugar beet at 2.3, 5.6, 6.7 and 9.1 degrees centigrade. Polyploid strains had less germinating ability under conditions of lower temperature and breeding is planned to improve this characteristic. Orig. art. has: 5 tables. [JPRS: 33,539]

SUB CODE: 06 / SUBM DATE: 12Apr65 / ORIG REF: 003 / OTH REF: 009

Card 1/1 PB

0916 0109

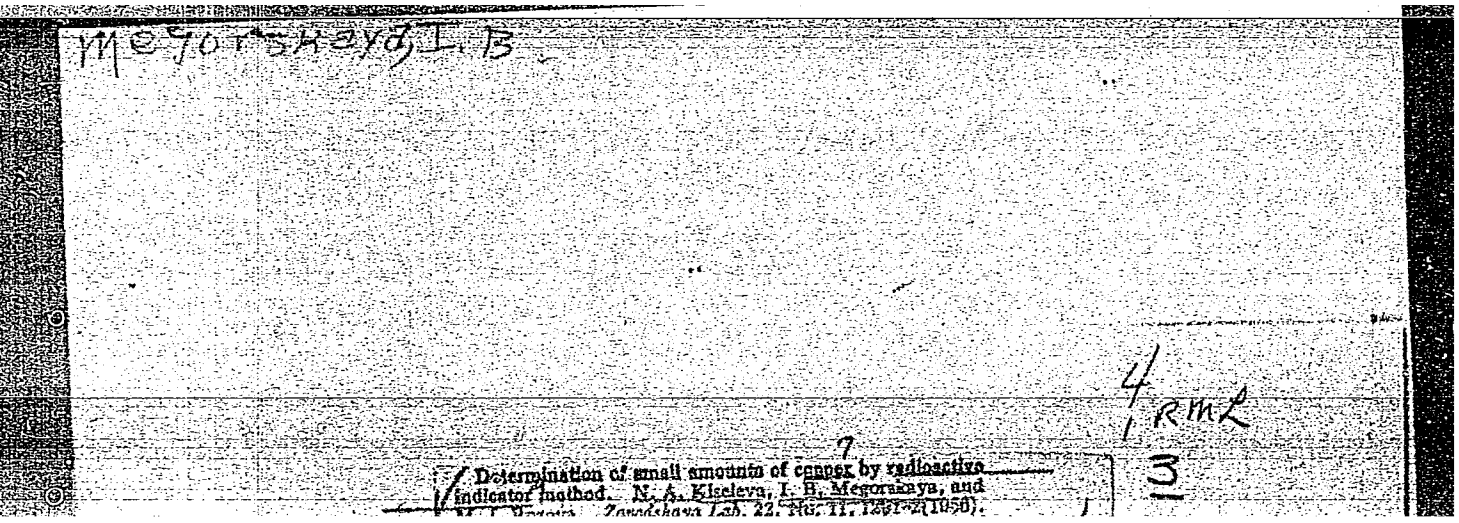


MEGORSKAYA, I.B.

4
14E2a

1764. Determination of small amounts of copper by the method of isotopic indication. N. A. Kiseleva, I. B. Megorskaya and M. I. Rozova (State Inst. of Applied Chem.). *Zavod. Lab.*, 1956, 22 (11), 1291–1292.—The method is based on the use of ^{131}I in a K_2HgI_4 soln. used for pptg. Cu as an *o*-phenylenediamine complex $[Cu(C_6H_8N_2)_2][HgI_4]$. The neutral soln. (1 ml) containing $CuSO_4$ is mixed with 0·1 to 0·2 ml of 2% *o*-phenylenediamine soln., one drop of 0·5 *N* H_2SO_4 and 0·05 to 0·10 ml of K_2HgI_4 soln. (prepared by adding 10% KI soln. containing ^{131}I to saturated $HgCl_2$ soln. until the ppt. first formed is redissolved). The ppt. is collected on a filter paper, washed and dried. The paper is then coated with Cellophane lacquer on both sides and the activity is measured. The activity of the reagent soln. is also measured. The concn. of Cu in the ppt. can then be calculated. With 0·05 mg of Cu the results are accurate to within ±3%. With smaller amounts of Cu a collector is necessary, *e.g.*, $Fe_2(SO_4)_3$.

G. S. Smith



YERMAKOV, A.I., doktor biol. nauk; NEGORSKAYA, O.M.

Method of selecting oil-rich seeds. Trudy po prikl. bot., gen. i sel. 37 no. 1:164-168 '65 (MIRA 19:1)

LOGINOV, Fedor Loginovich; TERESHENKOV, Nikolay Kuz'mich; GOGIN, Nikolay Aleksandrovich; MEGORSKIY, Boris Vasil'yevich; MINASYAN, Ye.A., redaktor izdatel'stva; ZHUKOV, D.M., tekhnicheskiy redaktor

[Organization and methods of operation of government fire inspection agencies] Organizatsiia i metodika provedeniia raboty organami gosudarstvennogo pozharnogo nadzora. Moskva, Izd-vo Ministerstva kommunal'nogo khoziaistva RSFSR, 1956. 204 p. (MLRA 10:1)
(Fire prevention)

MEGORSKIY, B.

New fire prevention research stations. Pozh.delo 4 no.4:14-16 Ap '58. (MIRA 11:5)
(Fire prevention--Research)

MEGORSKIY, B., inzh.

Determining the causes of fires. Pozh. delo 4 no.5:2-5 My '58. (MIRA 11:5)
(Fires)

MEGORSKIY, B., inzh. (Leningrad)

Checking the warming up of insulated brick partitions. Pozh. delo 5 no.5:11 My '59. (MIRA 12:6)
(Fireproofing)

MEGORSKIY, B.

Fire caused by poor refractory mortar. Pozh.delo 8 no.8:15-16 Ag '62. (MIRA 15:8)

1. Nachal'nik Leningradskoy pozharno-ispytatel'noy stantsii.
(Fires)

LYASHCHEVSKIY,Vasiliy Petrovich; MEGRABOV,G.A., redaktor; SEMENOVA,M.M., redaktor; VOLKOVA,Ye., tekhnicheskiy redaktor

[New methods of manufacturing and renovating bearings] Novye sposoby izgotovleniia i restavratsii podshipnikov. Moskva, Izd-vo "Morskoi transport," 1955. 85 p. (MLRA 9:1)

(Bearings (Machinery))

VOZNITSKIY, Igor' Vital'yevich; IVANOV, Lev Andrianovich. Prinimal uchastiye CHUKHRIN, L.A.; MEGRABOV, G.A., dots., retsenzent; MALAKHOV, N.D., mekhanik-nastavnik Dal'nevostochnogo parokhodstva, retsenzent, NELIDOVA, E.S., red.; LAVRENOVA, N.B., tekhn. red.

[Breakdown of internal combustion marine engines] Avarii sudovykh dvigatelei vnutrennego sgoraniia. Moskva, Izd-vo "Morskoi transport," 1961. 240 p. (MIRA 15:2)
(Marine engines--Maintenance and repair)

MEGRABOV, Grayr Artem'yevich; PRUTYAN, L.N., red.; NELIDOVA, E.S., red. izd-va; LAVRENOVA, N.B., tekhn. red.

[Repair of marine power plants] Remont sudovykh silovykh ustanovok. Moskva, Izd-vo "Morskoi transport," 1961. 383 p. (MIRA 15:3)

(Marine engines—Maintenance and repair)

MEGRABOV, Grayr Artem'yevich; MOROZOV, Mikhail Yakovlevich; SOKOLOV, Leonid Ivanovich; BALYAKIN, Oleg Konstantinovich; KEPKE, L.M., red.; FEDOROV, V.P., red. izd-va; LAVRENOVA, N.B., tekhn. red.

[Technology of ship repairs] Tekhnologiia sudoremonta. Moskva, Izd-vo "Morskoi transport," 1962. 440 p. (MIRA 15:5)
(Ships—Maintenance and repairs)

MEGRABYAN, A.A., prof.; AGBALYAN, G., red.; CHANCHAPANYAN, E., tekhn.red.

[Nature of individual consciousness; in normal and pathological states] O prirode individual'nogo soznaniia; v norme i patologii. Erevan, Armgosizdat, 1959. 245 p. (MIRA 13:4)
(Consciousness)

MEGRABYAN, A.A., prof.; AVAKYAN, S.L.; ARUTYUNYAN, R.K.

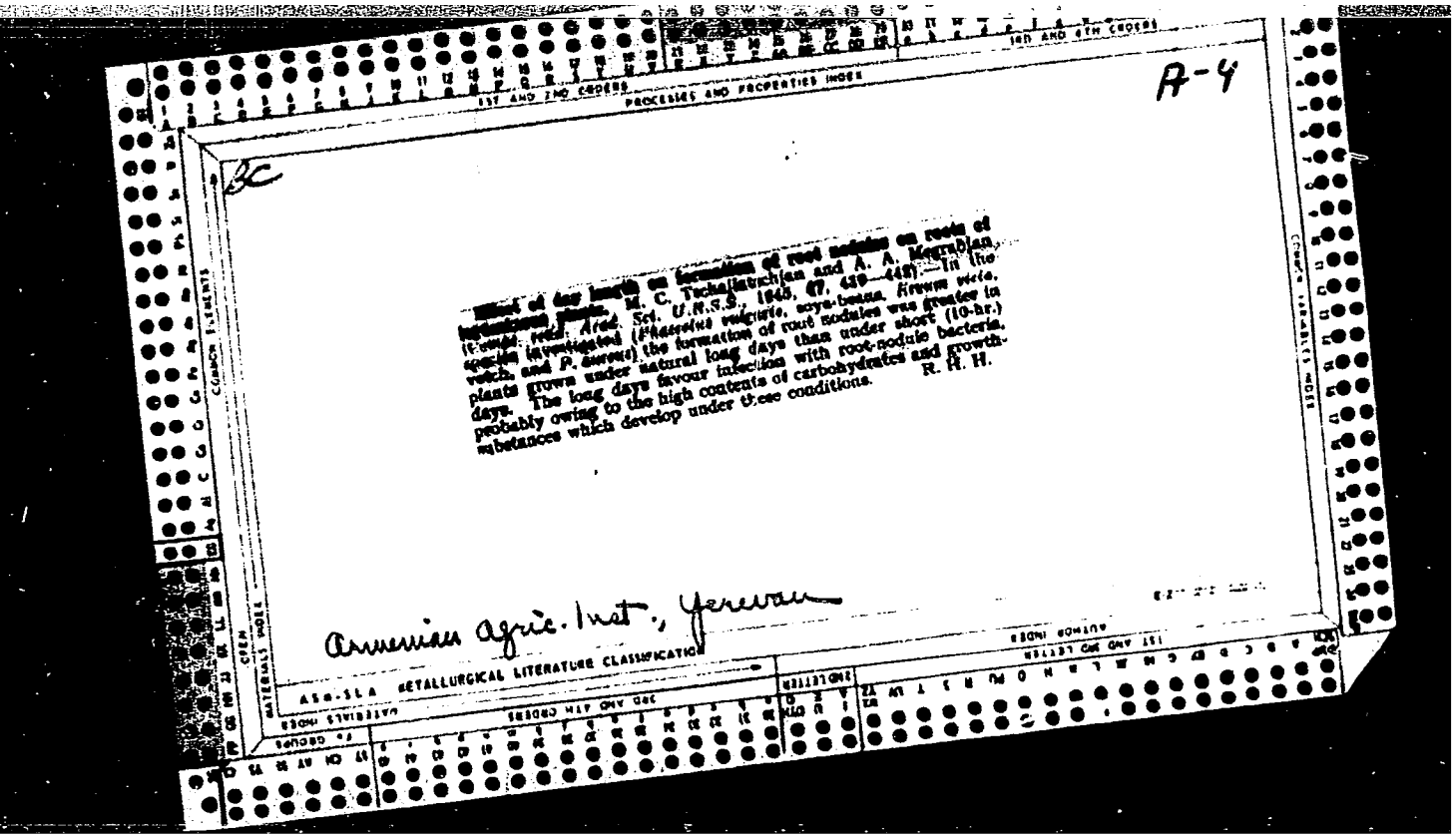
Electroencephalographic characteristics of visual after-images in some mental diseases. Trudy Erev.med.inst. no.11:373-381 '60. (MIRA 15:11)

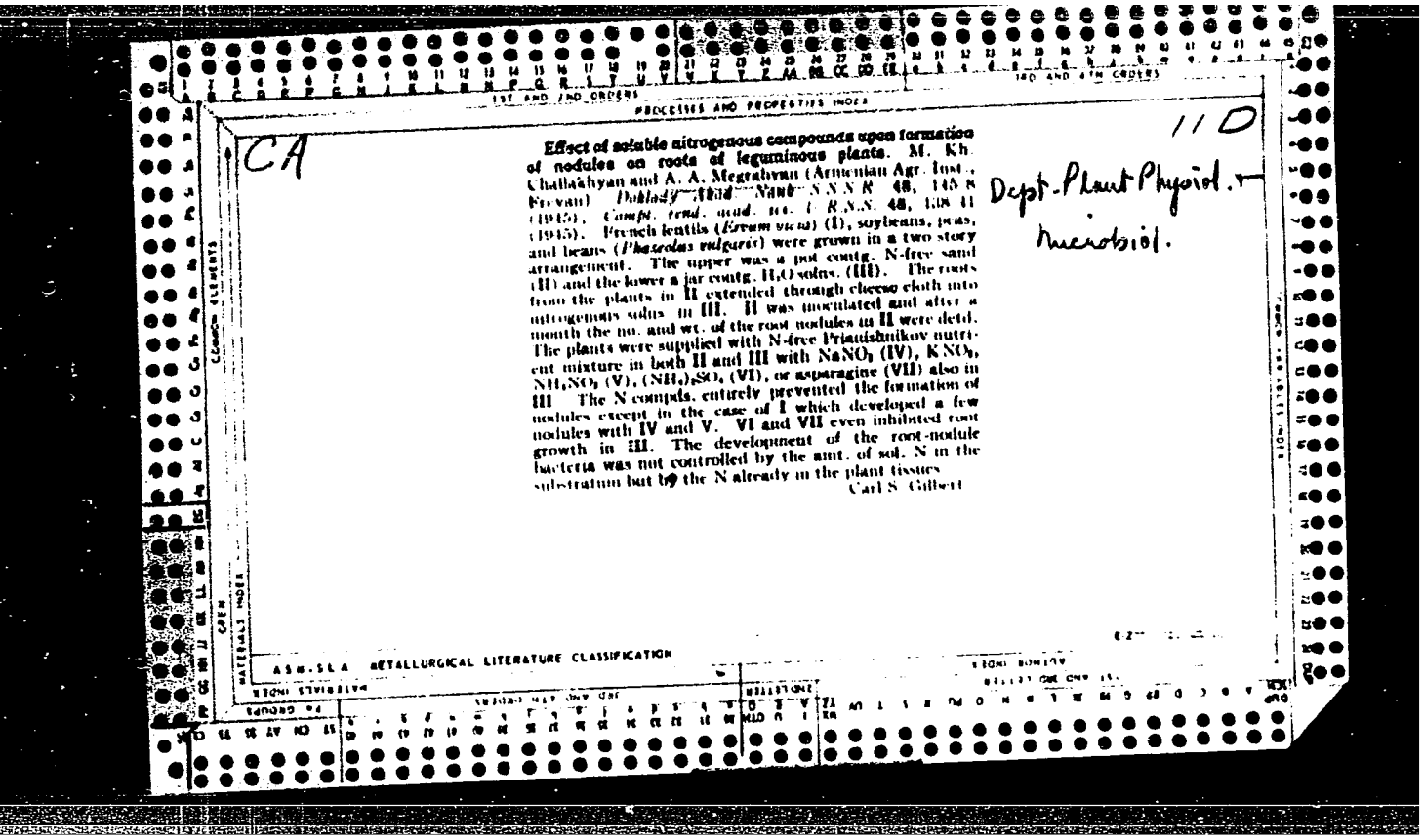
1. Iz kafedry psikhiatrii (zav. kafedroy - prof. A.A.Megrabyan) Yerevanskogo meditsinskogo instituta.
(AFTER-IMAGES) (MENTAL ILLNESS) (ELECTROENCEPHALOGRAPHY)

MEGRABYAN, A.A.

Doctrine of psychic automatism. Vop.psikhol. 7 no.3:39-45 My-Je '61. (MIRA 14:6)

1. Kafedra psikhitrii Yerevanskogo meditsinskogo instituta.
(Automatism)





CA

110

Dept. Plant Physiol. + Microbiol.

Effect of soluble nitrogenous compounds upon formation of nodules on roots of leguminous plants. M. Kh. Chailakhyan and A. A. Megrabyan (Armenian Agr. Inst., Erevan) *Doklady Akad. Nauk S.S.S.R.* 48, 145-8 (1945). *Compt. rend. acad. sci. U.R.S.S.* 48, 138-41 (1945). French lentils (*Ervum vicia*) (I), soybeans, peas, and beans (*Phaseolus vulgaris*) were grown in a two story arrangement. The upper was a pot contg. N-free sand (II) and the lower a jar contg. H_2O solns. (III). The roots from the plants in II extended through cheese cloth into nitrogenous solns in III. II was inoculated and after a month the no. and wt. of the root nodules in II were detd. The plants were supplied with N-free Prianishnikov nutrient mixture in both II and III with $NaNO_3$ (IV), KNO_3, NH_4NO_3 (V), $(NH_4)_2SO_4$ (VI), or asparagine (VII) also in III. The N compds. entirely prevented the formation of nodules except in the case of I which developed a few nodules with IV and V. VI and VII even inhibited root growth in III. The development of the root-nodule bacteria was not controlled by the amt. of sol. N in the substratum but by the N already in the plant tissues.

Carl S. Gilbert

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

MEGRABYAN, A.A.

The influence of nodule bacteria of the French lentil on the growth, crop yield and chemical composition of these plants [in Armenian with summaries in Russian and in English]. Izv.AN Arm.SSR.Est. nauki no.2:29-32 '47. (MLRA 9:8)

(Lentils) (Soil micro-organisms)

1. MEGRABYAN, A. A.

2. USSR (600)

7. "The Influence of the Phase of Development of a Plant on the Activity and Virulence of Tubercle Bacteria", Mikrobiolog. Sbornik Akad. Nauk Arm. SSR (Microbiology Symposium of the Acad Sci Armenian SSR), No 5, 1950, pp 166-167.

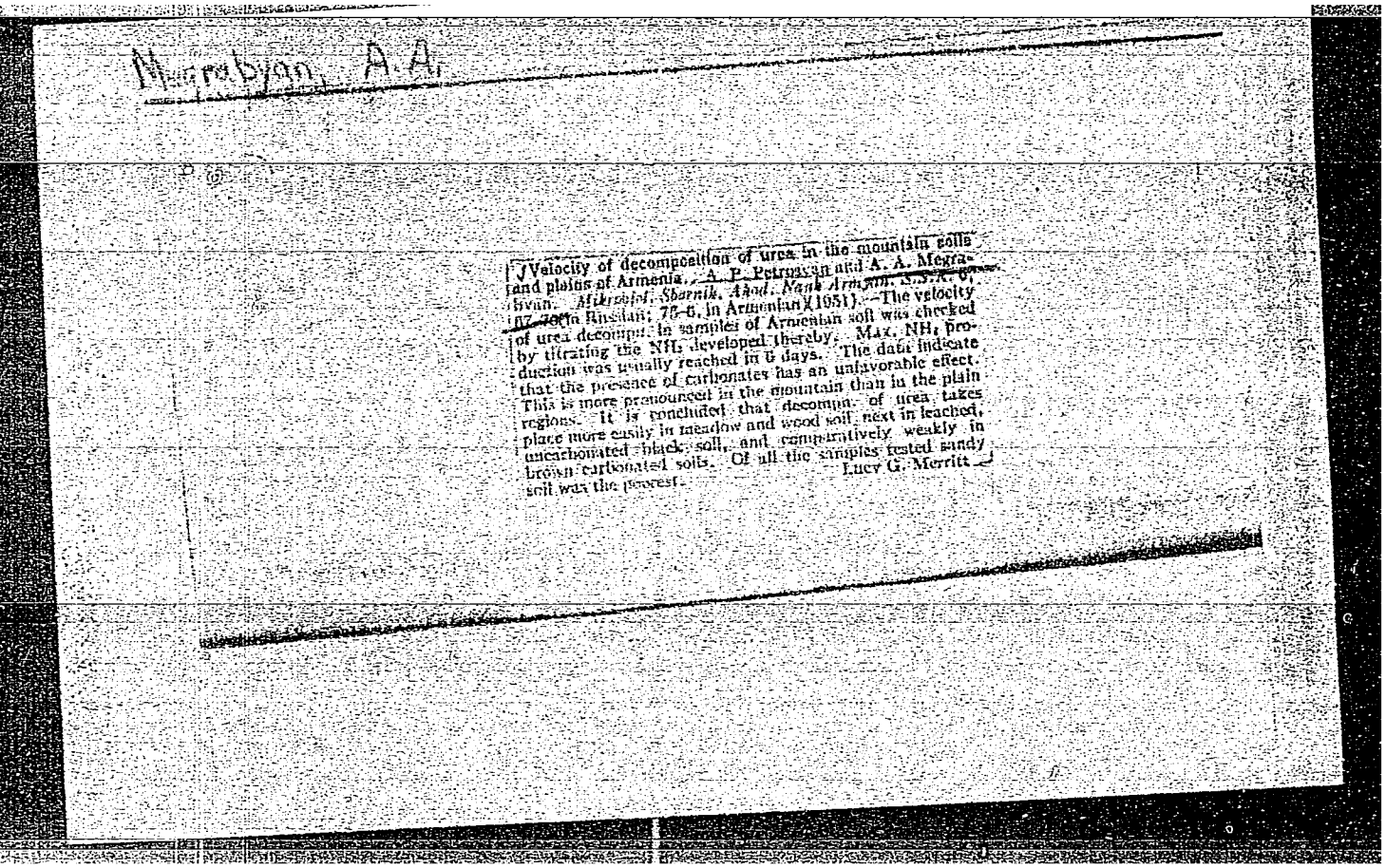
9. Mikrobiologiya, Vol XXI, Issue 1, Moscow, Jan-Feb 1952 pp 121-132, Unclassified.

1. MEGRABYAN, A. A.

2. USSR (600)

7. "Activators and Antagonists of the Tubercle Bacteria of Esparsette", Mikrobiol. Sbornik Akad. Nauk Arm. SSR (MIcrobiology Symposium of the Acad Sci Armenian SSR), No 5, 1950, pp 185-186.

9. Mikrobiologiya, Vol XXI, Issue 1, Moscow, Jan-Feb 1952 pp 121-132, Unclassified.



Velocity of decomposition of urea in the mountain soils and plains of Armenia. A. P. Petrosyan and A. A. Mevrasyan. *Mikrobiol. Sbornik, Akad. Nauk Armyan. S.S.R.* 6, 67–76 (in Russian; 76–6, in Armenian) (1951).—The velocity of urea decompn. in samples of Armenian soil was checked by titrating the NH_3 developed thereby. Max. NH_3 production was usually reached in 6 days. The data indicate that the presence of carbonates has an unfavorable effect. This is more pronounced in the mountain than in the plain regions. It is concluded that decompn. of urea takes place more easily in meadow and wood soil next in leached, uncarbonated black soil, and comparatively weakly in brown carbonated soils. Of all the samples tested sandy soil was the poorest. Lucy G. Merritt

1. MEGRABYAN, A. A.

2. USSR (600)

4. Alfalfa

7. Effect of module bacteria of alfalfa on the growth and yield of the plant [in Armenian with Russian summary]. Mikrobiol.sbor. No. 6, 1951.

9. Monthly List of Russian Accessions, Library of Congress, March 1953. Unclassified.

MEGRABYAN, A.A.

Intensity of nitrogen accumulation in a leguminous plant in various stages of its development. A. A. Megrabyan. *Mikrobiol. Sbornik, Akad. Nauk Armyan. S.S.R.* 1953, No. 1/7, 13-19; *Referat. Zhur., Khim.* 1954, No. 10512.—N content was detd. in leaves, roots, and nodules of esparcet (sainfoin) during tillering, before budding, blooming, and fruit-bearing. The samples were taken at 16-day intervals. The plant contained the smallest quantity of N during tillering and the highest during budding. During flowering and fruiting when the plant starts building its reproductive organs the N content in leaves and nodules drops sharply, apparently being spent in the formation of these organs.

M. Hosch

MEGRABYAN, A.A.

CHAYLAKHYAN, M.Kh.; MEGRABYAN, A.A.

On the selective bactericidal property of the root tissues of legumes in regard to tuber bacteria. Dokl. AN Arm. SSR 20 no.3:99-104 '55. (MLRA 8:7)

(ChaylaKhyAN)

1. Chlen-korrespondent AN Armyanskoy SSR (for Megrabyan).
2. Sektor mikrobiologii Akademii nauk Armyanskoy SSR.
(Legumes--Diseases and pests) (Microorganisms)

MEGRABYAN, A.A.; KARAPETYAN, N.A.

Bactericidal effect of legume seeds and sprouts on nodule bacteria. Izv. AN Arm.SSR. Biol. i sel'khoz. nauki 11 no.2:57-62 F '58. (MIRA 11:3)

1. Sektor mikrobiologii AN ArmSSR.
(Legumes) (Micro-organisms, Nitrogen-fixing) (Bactericides)

CHAYLAKHYAN, M.Kh.; MEGRABYAN, A.A.

Effect of root secretions of leguminous plants on the growth of nodule bacteria. Izv. AN Arm.SSR. Biol. i sel'khoz.nauki 11 no.8:3-12 Ag '58. (MIRA 11:10)

1. Sektor mikrobiologii AN ArmSSR.
(MICRO-ORGANISMS, NITROGEN-FIXING) (RHIZOSPHERE MICROBIOLOGY)
(LEGUMINOSAE)

Megrabyan, A.A.

CHAYLAKHYAN, M.Kh.; MEGRABYAN, A.A.

The stimulating effect of leguminous plants on the growth of nodule bacteria peculiar to them. Dokl. AN Arm. SSR 26 no.2:103-111 '58. (MIRA 11:5)

1.Chlen-korrespondent AN Armyanskoy SSR (for Megrabyan).
2.Sektor mikrobiologii Akademii nauk Armyanskoy SSR.
(Legumes) (Micro-organisms, Nitrogen-fixing)