

BRAZHNIKOVA, M.G.; KUDINOVA, M.K.; MURAV'YEVA, L.I.

Sequence of amino group substitution in monomycin and its relation
to the biological action. Antibiotiki 9 no.1:13-17 Ja '64.

(MIRA 18:3)

1. Institut po izyskaniyu novykh antibiotikov AMN SSSR, Moskva.

BRAZHNIKOVA, M.G.; KRUGLYAK, Ye.B.; BORISOVA, V.N.; FEDOROVA, G.B.

Study of olivomycin homogeneity. Antibiotiki 9 no.2:141-146
F '64. (MIRA 17:12)

1. Institut po izyskaniyu novykh antibiotikov AMN SSSR, Moskva.

KONSTANTINOVA, N.V.; BRAZHNIKOVA, M.G.

Study on monomycin homogeneity by the countercurrent distribution
method. Antibiotiki 9 no.2:147-151 F '64. (MIRA 17:12)

1. Institut po izyskaniyu novykh antibiotikov AMN SSSR, Moskva.

KONSTANTINOVA, N.V.; BRAZHNIKOVA, M.G.

Studies on the composition of the antibiotic monomycin.
Antibiotiki 9 no.4:303-308 Ap '64. (MIRA 19:1)

1. Institut po izyskaniyu novykh antibiotikov AMN SSSR, Moskva.

KONSTANTINOVA, N.V.; BRAZHNIKOVA, M.G.

Comparison of monomycin A with paramonomycin. Antibiotiki 10
no.1:34-38 Ja '65. (MIRA 18:4)

1. Institut po izyskaniyu novykh antibiotikov AMN SSSR, Moskva.

BRAZHNIKOVA, M.G.; KRUGLYAK, Ye.B.; BORISOVA, V.N.; POKRAS, L.S.

Isolation, purification and characteristics of the antibiotic
14725 from the ostreogrycin group. Antibiotiki 10 no.1:43-48
Ja '65. (MIRA 18:4)

1. Institut po izyskaniyu novykh antibiotikov AMN SSSR, Moskva.

MEZENTSEV, A.S.; KRUGLYAK, Ye.B.; BORISOVA, V.N.; FEDOROVA, G.B.; BRAZHNIKOVA,
M.G.

Production of some olivomycin derivatives and their physicochemical
characteristics. Antibiotiki 10 no.5:410-414 My '65.

(MIRA 18:6)

1. Institut po izyskaniyu novykh antibiotikov AMN SSSR, Moskva.

KUDINOVA, M.K.; KOVSHAROVA, I.N.; PROSHLYAKOVA, V.V.; PROZOROVSKAYA, N.A.;
BRAZHNIKOVA, M.G.

Isolation, purification and study of the physicochemical properties of
antineoplastic antibiotics of the encaline group. Antibiotiki 10 no.6:
488-496 Je '65. (MIRA 18:7)

1. Institut po izyskaniyu novykh antibiotikov AMN SSSR, Moskva.

L 22237-66 EMT(1)/T JK

ACC NR: AP6014829

SOURCE CODE: UR/0297/65/010/001/0043/0048

AUTHOR: Brazhnikova, M. G.; Kruglyak, Ye. B.; Borisova, V. N.; Pokras, L. S.

ORG: Institute for the Search of New Antibiotics, AMN SSSR, Moscow (Institut po izyskaniyu novykh antibiotikov AMN SSSR)

TITLE: Isolation, purification, and characteristics of the antibiotic 14725 of the group of osterogryns

SOURCE: Antibiotiki, v. 10, no. 1, 1965, 43-48

TOPIC TAGS: antibiotic, bacteria, chromatography/14725 antibiotic

ABSTRACT: The antibiotic 14725 was isolated from the cultural liquid of Actinomycete 14725 of the Actinomyces Kurssanovi species by extraction with ethyl acetate at a pH of 7.0 to 7.2; the extract was washed with water and concentrated in vacuum; the concentrated solution was treated with petroleum ether which precipitated the antibiotic; the latter was crystallized by a mixture of heated ethyl acetate with benzene (7:3). Chromatography was used for the investigation of the composition of the crystalline antibiotic. A system of chloroform-carbon tetrachloride applied on paper saturated with ethylene glycol indicated that the preparation is composed of three components. Two components are crystalline, soluble in chloroform, ethyl acetate, and ethanol, poorly soluble in benzene, and insoluble in carbon tetrachloride. The third component was not obtained in the form of a homogenous compound. A qualitative

Card 1/2

UDC: 615.779.931-011/014

L 22937-66

ACC NR: AP6014829

analysis of the first two components established that the first component contains almost twice as much of N as the second component. With FeCl₃ the first component produces a red tint, while the second--a green tint. An investigation of the biological properties of both components revealed that the first component was active in relation to Bacterium subtilis, and the second--against Staphylococcus aureus; in addition both components were found to be synergetically active against Staphylococcus aureus. Data obtained in the investigations established also that antibiotic 14725 is close to a large number of antibiotics known as ostreogrynsins. Among them are streptogramin, staphylomycin, antibiotic PA-114, micamycin, and ostreogrysin. It was found also that the properties of first component of antibiotic 14725 do not differ from those of micamycin, and that the properties of the second component do not differ from those of micamycin A and staphylomycin M-1. Orig. art. has: 3 figures and 3 tables. [JPRS]

SUB CODE: 06 / SUBM DATE: 24Dec63 / ORIG REF: 002 / OTH REF: 013

Card 2/2-10

MEZENTSEV, A.I.; PRUGLYAK, Ye.B.; BRASHNIKOVA, M.G.

Products of acid hydrolysis of olivomycin. Antibiotiki 10 no.9:
800-804 S 165. (MIRA 18:9)

1. Institut po izyskaniyu novykh antibiotikov Ministerstva
zdravookhraneniya SSSR, Moskva.

KONSTANTINOVA, N.V.; BRAZHNIKOVA, M.G.

Structure of monomycin B. Antibiotiki 10 no.11:989-992 N '65.
(MIRA 19:1)

1. Otdel khimii antibiotikov (zav. - prof. M.G. Brazhnikova)
Instituta po izyskaniyu novykh antibiotikov Ministerstva zdravo-
okhraneniya SSSR, Moskva. Submitted April 8, 1965.

7
Sulfate sulfur in lead agglomerates. B. S. Khristoforov and M. V. Brazhnikova. *Tsvetnye Metally* 29, No. 11, 23-32 (1983). Sulfate and sulfide S were dried in ignitates contg. Pb 30-36, Zn 0-3, Cu 1.5-2.5, Fe 12-15, Ni 2-11, CaO 8-9, and S 1.80-2.88% from 2 Pb plants. Ignitates from the 1st plant contained 20.2-24.0% of S. Ignitates from the 2nd plant contained 33.5-37.8% as sulfide, balance as sulfide. Sulfate S was in the form of CaSO_4 .
H. W. Robinson

LIST AND CODES

Brazhnikova, N. Ye.

CU

On the Carboniferous deposits of the Lwow Trough
 D. F. Alzenberg, N. K. Brazhnikova, G. G. Novak, and
 P. I. Shulka. *Compt. rend. acad. sci. URSS*, 1961, 1
 (1961). A paleontological and stratigraphic report
 John L. Huxford

ALMA MATER DETAIL ORG. LITERATURE CLASSIFICATION

ALMA MATER

ALMA MATER

ALMA MATER

AYZENBERG, D.Ye.; BRAZHENIKOVA, N.Ye.

Diagram of stratigraphic correlation of lower Carboniferous deposits
of the greater Donets Basin. Geol.zhur. 16 no.1:7-20 Je '56.
(MLRA 9:8)

(Donets Basin--Geology, Stratigraphic)

AYZENVERG, D.Ye.; BRAZHNIKOVA, N.Ye.

Comparative study of the lower Viscon division in the Donets Basin and in
some other regions of the U.S.S.R. Dokl.AN SSSR 108 no.4:691-694 Je '56.
(MIRA 9:9)

1. Predstavleno akademikom N.M. Strakhovym.
(Russian platform--Geology, Stratigraphic)

~~BRAZHNIKOVA, N.Ye.~~; ISHCHEKHO, A.M.; ISHCHEKHO, T.A.; NOVIK, Ye.O.;
SHUL'GA, P.L.; BONDARCHUK, V.G., akademik, otvetstvennyy re-
daktor.

[Fauna and flora of Carboniferous deposits of the Galician-
Volyn Lowland] Fauna i flora kamennougol'nykh otlozhenii Ga-
litsiisko-Volynskoi vpadiny. Kiev, Izd-vo Akademii nauk Uk-
rainskoi SSR, 1956. 409 p. (Akademiia nauk URSR, Kiev. Insti-
tut geologichnykh nauk. Trudy. Serii stratigrafii i paleonto-
logii, no.10) (MLBA 9:11)

1. Akademiya nauk URSR (for Bondarchuk).
(Galician-Volyn Lowland--Paleontology, Stratigraphic)

AYZENBERG, D. Ye.; BRAZHEIKOVA, N. Ye.

Faunal characteristics of the lower Tournaisian layers of the Donets Basin. Dokl. AN SSSR 108 no.5:907-909 Je '56. (MIRA 9:10)

1. Institut geologicheskikh nauk Akademii nauk USSR. Predstavleno akademikom N.M Strakhovym.
(Donets Basin--Geology, Stratigraphic)

BRAZHNIKOVA, N.Ye.; YARTSEVA, M.V.

Evolution of the genus *Monotaxis*. Vop.mikropaleont. no.1:
62-68 '56. (MLRA 9:12)

1. Institut geologicheskikh nauk Akademii nauk USSR i
Ukrainskoye geologicheskoye upravleniye.
(Foraminifera, Fossil)

BRAZHNIKOVA, N.Ye.

AYZENBERG, D.Ye.; BRAZHNIKOVA, N.Ye.; YARTSEVA, M.V.

Correlation of horizons of the lower Carboniferous in the region
of the western extension of the Donets Basin. Dop. UN URSS no.4:394-
397 '56. (MIRA 9:12)

1. Institut geologicheskikh nauk Akademii nauk URSS. Predstavleno
akademikom Akademii nauk URSS V.G. Bondarchukom.
(Donets Basin--Geology, Stratigraphic)

BRAZHNIKOVA, NINA YEVGEN'YEVNA

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Fauna i Flora Kamernougol'nykh Otlozheniy Galitsiysko-Volynskoy
Vpadiny (Fauna and Flora of the Galicia-Volynsk Depressions, by)
N. E. Brazhnikova (LLr.) Kiyev, Izd-vo Akademii Nauk Ukrainskoy SSR, 1956.
409 p. Illus., Map, Tables (Akademiya Nauk Ukrainskoy SSR. Institut
Geologichnykh Nauk. Trudy. Seriya Stratigrafii i Paleontologii, vyp. 10)
At Head of Title: Akademiya Nauk Ukrainskoy SSR. Institut Geologichnykh
Nauk.

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BRAZHNIKOVA, N. Ye.

AYZENBERG, D.Ye.; BRAZHNIKOVA, N.Ye.

On the correlation of the lower Carboniferous of the Donets Basin
and other regions of the Russian Platform. Dokl. AN SSSR 115
no.3:589-592 J1 '57. (MIRA 10:10)

1. Predstavleno akademikom N.M.Strakhovym.
(Russian Platform--Geology, Stratigraphic)

POTIYEVSKAYA, Polina Davidovna [Potlievs'ka, P.D.]; BONDARCHUK, V.G.
[Bondarchuk, V.H.], akademik, otv.red.; BRAZHNIKOVA, N.Ye., kand.
geologo-mineral.nauk, red.vypuska; ZAVIRYUKHINA, V.M., red.izd-va;
SIVACHENKO, Ye.K.[Syvachenko, I.K.], tekhn.red.

[Foraminifera of the upper Bashkir beds in the western part of the
Donets Basin] Foraminifery verkh'obashkys'kykh vkladiv zakhidnoi
chastyny Donets'koho basynu. Kyiv, Vyd-vo Akad.nauk URSR, 1958.
90 p. (MIRA 12:5)

1. Akademiya nauk USSR (for Bondarchuk).
(Donets Basin--Foraminifera, Fossil)

AYZENBERG, David Yefremovich; BRAZHNIKOVA, N.Ye., kand.geol.-mineral.nauk, otv.
red.; ZAVIRUKHINA, V.N., red.izd-va; SKLYAROVA, V.Ye., tekhn.red.

[Stratigraphy and paleogeography of the lower Carboniferous in
the western sector of the Greater Donets Basin] Stratigrafiia
i paleogeografiia nizhnego karbona zapadnogo sektora Bol'shogo
Donbassa. Kiev, Izd-vo Akad. nauk Ukr. SSR, 1958. 270 p. (Akademiia
nauk URSR, Kiev. Instytut geologichnykh nauk. Trudy. Seriia
stratigrafii i paleontologii, no.16) (MIRA 12:1)
(Donets Basin--Paleogeography) (Donets Basin--Geology, Stratigraphic)

BRAZHNIKOVA, N.Ye. [Brazhnikova, N.IE.]; YARTSEVA, M.V. [IArtseva, M.V.]

Development of Foraminifera in the lower Carboniferous of
the Greater Donets Basin. Geol. zhur. 18 no.1:31-38 '58.

(MIRA 11:5)

(Donets Basin--Foraminifera, Fossil)

AYZENBERG, D.Ye.; BRAZHNIKOVA, N.Ye.

Stratigraphy of the lower part of the lower Carboniferous in the western sector of the Greater Donets Basin. Trudy VNIIGNI no.14: 156-168 '59. (MIRA 12:10)

1. Institut geologicheskikh nauk AN USSR.
(Donets Basin—Geology, Stratigraphic)

BRAZHNIKOVA, N.Ya. [Brashnikova, N, IN]

Age of sediments containing *Elasmoidina*. Geol. zhur. 19 no.2:68-69
'59. (MIRA 12:7)

(Foraminifera, Fossil)

BRAZHNKOVA, N.Ye.; POTIYEVSKAYA, P.D.

Distribution of Foraminifera in Carboniferous sediments of the
Donets Basin. Geol. zhur. 19 no.5:41-53 '59. (MIRA 13:2)
(Donets Basin--Foraminifera, Fossil)

BRAZHNIKOVA, N. Ye.

Quasiendothyra and related forms from Lower Carboniferous of the
Donets Basin and other Ukrainian regions. Trudy Inst.geol.nauk
AN URSR. Ser.strat.i paleont. no.44:3-48 '62. (MIRA 15:9)
(Ukraine--Fusulinidae)

AYZENBERG, D.Ye. [Aizenverh, D.IE.]; BRAZHNIKOVA, N.Ye. [Brazhnikova, N.IE.];
ISHCHENKO, T.A.; LAGUTIN, P.K. [Lahutin, P.K.]

Carboniferous basalt layers in the Donets Basin. Geol.zhur. 23 no.1:73-78
'63. (MIRA 16:4)

1. Institut geologicheskikh nauk AN UkrSSR.
(Donets Basin—Basalt)

AYZENVERG, D.Ye.; BRAZHNIKOVA, N.Ye.; POTIYEVSKAYA, P.D.

Stratigraphy of the Middle Carboniferous of the southern slope
of the Voronezh massif. Dokl. AN SSSR 151 no.5:1153-1155 Ag
'63. (MIRA 16:9)

1. Institut geologicheskikh nauk AN UkrSSR. Predstavleno
akademikom A.L.Yanshinym.
(Voronezh Province--Geology, Stratigraphic)

AYZENBERG, David Yefremovich; BRAZHNIKOVA, Nina Yevgen'yevna; NOVIK, Yekaterina Osipovna; ROTAI, Avraam Prokhorovich, prof.; SHUL'GA, Polina Lukinichna; BONDARCHUK, V.G., akademik, otv.red.; ZAVIRYUKHINA, V.N., red.izd-va; KADASHEVICH, O.A., tekhn.red.

[Stratigraphy of Carboniferous sediments in the Donets Basin]
Stratigrafiia kamennougol'nykh otlozhenii Donetskogo basseina.
Kiev, 1963. 182 p. (Akademia nauk URSR. Institut geologichnykh nauk. Seria stratigrafii i paleontologii. Trudy, no.37).

(MIRA 16:12)

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BRAZHNIKOVA, N. Ye.

Studying Eosigmoilina from the Lower Carboniferous of the Greater
Donets Basin. Trudy Inst. geol. nauk AN URSS Ser. strat. i
paleont. no.48:3-15 '64 (MIRA 18:1)

BRAZHNIKOVA, O.P. [Brazhnykova, O.P.]; GUSYAKOV, V.P. [Husiakov, V.P.]

Investigating the solubility of medicinal substances. Report No.5:
Effect of the nature of sulfur-containing anions on the solubility
of caffeine and benzoic acid. Farmtsov. zhur. 18 no.2:37-42 '63.
(MIRA 17:10)

1. Kafedra neorganicheskoy khimii Dvovskogo meditsinskogo instituta.

BRAZHYUNAS, A., inzh.

Cathode follower and video amplifier. Radio no. 6:26-27

Je '64.

(MIRA 17:10)

BRZILOVSKIY, V. I.

ACCESSION NR: AT4014067

S/3072/63/000/000/0124/0135

AUTHOR: Rodionova, G. A.; Finkel'shteyn, Ya. S.; Veyler, S. Ya.; Gurovich, Ye. I.;
Novikov, V. T.; Rozenfol'd, N. B.; El'bert, S. M.; Brazilovskiy, V. I.

TITLE: Investigation of technological lubricants based on salt mixtures for hot rolling of
pipe

SOURCE: Fiz.-khim. zakonomernosti deystviya smazok pri obrabotke metallov davleniyem.
Moscow, Izd-vo AN SSSR, 1963, 124-135

TOPIC TAGS: lubricant, salt mixture, hot rolling, steel pipe, pipe rolling

ABSTRACT: In the hot rolling of pipe on continuous rolling mills with long frames, the
lubrication conditions are unusually difficult. Special lubrication is required to provide
for the proper processing conditions, especially temperatures, to obtain rolled products
and pipe of satisfactory quality. Of the six tested salt-lubricants containing various amounts
of K, Li, Mg or Na oxides or chlorides, the best for the hot rolling of pipe in continuous

Card: 1/2

ACCESSION NR: AT4014067

rolling mills proved to be a lubricant containing 40% ZnCl₂, 30% KCl, 30% NaCl, and 10% MgO, plus 45% water (compared to the weight of salts and oxides). The pipe rolling process using 1Kh18N9T steel and high-carbon steel proved satisfactory with this lubricant. The top loadings in the continuous rolling mills were increased by 4.5% as compared with the graphite-mazut lubricant. Pipe rolled with the above-mentioned lubricant showed no intercrystalline corrosion. The etching time of pipe obtained by this process was half that of pipe rolled with the use of graphite-mazut lubricant. The effect of the concentration of MgO, used as a filling component in the lubricant, on its melting point and crystallization was also determined, as well as the effect of the amount of solvent on the consistency of the lubricant and its ability to protect the metal surface. Orig. art. has: 6 figures and 3 tables.

ASSOCIATION: none

SUMMITTED: 00

DATE ACQ: 19Dec63

ENCL: 00

SUB CODE: MM, IE

NO REF SOV: 003

OTHER: 000

Card 2/2

Grazhnikova, O.P.

Decomposition potential of potassium peroxydisulfate in connection with the electrolyte composition of the reacting medium. A. I. Yurzhenko, O. P. Grazhnikova and N. M. Likholei (Mosc. Inst. Univ). *Dokl. Akad. Nauk SSSR*, 1958, 131, 638-641 (1958) (in Russian).--The acceleration of the peroxydisulfate decompn. by H^+ was confirmed. From a comparison of the initiating action of peroxide and the rate of its decompn. in various media, the decompn. mechanism differed somewhat in acid, alkali, and neutral media. In the latter 2, the decompn. usually proceeded principally with the production of free radicals, which initiated a polymerization process; neutral media (Na_2SO_4) retarded somewhat the peroxide decompn. in acid and neutral media. Conversely, colloidal electrolytes (Nekal, Na oleate) accelerated this decompn. The decompn. was also accelerated in olefin and paraffin hydrocarbon emulsions, apparently owing to a heterogeneous reaction course at the 2-phase boundaries.

W. M. Sternberg

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PM

Chem ✓ The rate of decomposition of $K_2S_2O_8$ in hydrocarbon emulsions. A. I. Yurzenko and O. P. Brashnikova (Med. Inst., Lvov). *Zhur. Obshchei Khim.* 29, 1317-13 (1956). 2

The rates of decompn. of aq. solns. of $K_2S_2O_8$ were studied in emulsions with various hydrocarbons. The rate of decompn. follows a 1st-order law in homogeneous and heterogeneous media. In the presence of emulsified hydrocarbons (including styrene monomer), the decompn. of $K_2S_2O_8$ is accelerated at all values of pH. The Arrhenius activation energy of $K_2S_2O_8$ decompn. in heterogeneous media is about 4 to 7 kcals. less than in homogeneous media. It is proposed that a catalytic acceleration of the decompn. occurs at the interfacial surface of the water and a hydrocarbon.

Ardena S. Orme

7 7 2
The rate of decomposition K_2O_2 in hydrocarbon emul-
sions. A. I. Yurchenko and G. P. Brazhnikova. *J. Gen.
Chem. U.S.S.R.* 26, 1431-47 (1953) (English translation).
See C.A. 51, 3255b. U.S.S.R.

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GUSYAKOV, V.P. [Husiakov, V.P.]; BRAZHNIKOVA, O.P.

Study of the solubility of medicinal substances. Part 4: Influence of the nature of an inorganic cation on the solubility of benzoic acid and caffeine. Farmatsev. zhur. 16 no.3:28-30 '61.
(MIRA 14:6)

1. Kafedra neorganicheskoy khimii L'vovskogo meditsinskogo instituta.
(BENZOIC ACID) (CAFFEINE) (CATIONS)

GUSYAKOV, V.P.; BRAZHNIKOVA, O.P.

Effect of potassium halides and thiocyanates on the solubility
of benzoic acid and its derivatives. Ukr.khim.zhur. 29 no.1:31-34
'63. (MIRA 16:5)

1. L'vovskiy meditsinskiy institut.
(Benzoic acid) (Potassium halides) (Potassium thiocyanate)

TUMANOV, A.T., glav. red.; VYATKIN, A.Ye., red.; GARBAR, M.I., red.; ZAYMOVSKIY, A.S., red.; KARGIN, V.A., red.; KISHKIN, S.T., red.; KISHKINA-RATNER, S.I., doktor tekhn. nauk, red.; PANSHIN, B.I., kand. tekhn. nauk, red.; ROGOVIN, Z.A., red.; SAZHIN, N.P., red.; SKLYAROV, N.M., doktor tekhn. nauk, red.; FRIDLYANDER, I.N., doktor tekhn. nauk, red.; SHUBNIKOV, A.V., red.; SHCHERBINA, V.V., doktor geol.-miner. nauk, red.; SHRAYBER, D.S., kand. tekhn. nauk, red.; GENEL', S.V., kand. tekhn. nauk, red.; VINOGRADOV, G.V., doktor khoz. nauk, red.; NOVIKOV, A.S., doktor khoz. nauk, red.; KITAYGORODSKIY, I.I., doktor tekhn. nauk, red.; ZHEREBKOV, S.K., kand. tekhn. nauk, red.; BOGATYREV, P.M., kand. tekhn. nauk, red.; SANDOMIRSKIY, D.M., D.M., kand. tekhn. nauk, red.; BUROV, S.V., kand. tekhn. nauk, red.; POTAK, Ya.M., doktor tekhn. nauk, red.; KUKIN, G.N., doktor tekhn. nauk, red.; KOVALEV, A.I., kand. tekhn. nauk, red.; YAMANOV, S.A., kand. tekhn. nauk, red.; SHEFTEL', I.A., kand. khoz. nauk, st. nauchn. red.; BABERTSYAN, A.S., inzh., nauchn. red.; BRAZHNIKOVA, Z.I., nauchn. red.; KALININA, Ye.M., mlad. red.; SOKOLOVA, V.G., red.-bibliograf; ZENTSEL'SKAYA, Ch.A., tekhn. red.

[Building materials; an encyclopedia of modern technology] Konstruktsionnye materialy: entsiklopediia sovremennoi tekhniki. Glav. red. A.T.Tumanov. Moskva, Sovetskaya entsiklopediia. Vol.1. Abliatsiia - korroziia. 1963. 416 p. (MIRA 17:3)

1. Chlen-korrespondent AN SSSR (for Kishkin).

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Novel about sportsmen and sports ("Bright world" Reviewed by G. Meyerovich, I. Knyazev)
Zvezda no.6, June 1952

BRAZHNYK, N. Yu.

TUTAYEV, G. Vy, & BRAZHNYK, N. Yu.

Farmalogychni vlastyvoli lystya hlotu Crataegies Oxyacantha, Ukr. Inst.
Eksperim. Farmatsii, Derzhavne Medychne Vydavnytstvo, 1938, vol. 1, pp. 58-65.

BRAZMA, N.

Sur l'integration des fonctions presque periodiques des deux variables independentes.
Comment. Math Helv, 11 (1939), 330-335.

Differentiation et integration des fonctions presque periodiques des plusieurs
variables reeles. Riga, Trudy Latv un-ta, matem. (5), 7 (1939), 235-263.

Über eine Riemannsche Fläche. Riga Uchen. Zap. Un-ta. Matem. (1) 1 (1943),
1-21.

SO: Mathematics in the USSR, 1917-1947
edited by Kurosh, A.G.,
Markushevich, A.I.,
Rashevskiy, P.K.
Moscow-Leningrad, 1948

BRAZMA, N. A.

USSR/Physics - Electromagnetic Waves
Mathematics - Matrices 21 Nov 49

"Solution of the Problem of the Propagation of Electromagnetic Processes in a Multiconductor System,"
N. A. Brazma, Latvian State U, Riga, 4 pp

158785

"Dok Ak Nauk SSSR" Vol IXIX, No 3

Describes subject propagation by telegraph equations:
 $-u_x = R_1 + L_1 \dot{u}$ and $-i_x = G_1 + C_1 \dot{u}$ where u and i are
"columnar" matrices, whose elements $u_r(x,t)$ and $i_r(x,t)$ ($r = 1, 2, \dots, n$) are, respectively, voltages relative to a null conductor and currents in individual conductors; R, L, G, C are square n -order matrices,

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USSR/Physics - Electromagnetic Waves 21 Nov 49
(Contd)

respectively resistance, inductance, conductance, and capacity. Two equations reduce to matrix telegraph equation $u_{xx} = au_t + bu_t + cu$, solved by the "Fourier matrix method": $u(x,t) = \int \Gamma(t) \cdot X(x) dx$ with suitable boundary conditions. Submitted 24 Sep 49 by Acad V. I. Smirnov.

158785

Brazma, N. A.

Brazma, N. A. "Operational calculations for functions dependent on a matrical parameter". Izvestiya Akad. nauk Latv. SSR, 1949, No 4, p. 123-32. (Resume in Latvian).

SO: U-4392, 19 August 53. (Letopis 'Zhurnal 'nykh Statey, No 21, 1949).

BRAZMA, N. A.

Brazma, N. A. - "Electromagnetic processes in a group of unifilar lines," Izvestiya Akad. nauk Latv. SSR, 1949. No 5, p. 125-32, (Resume in Latvian). - Bibliog: 17 items

SO: U-5240, 17, Dec. 53, (Letopis 'Zhurnal 'nykh Statey, No. 25, 1949).

Brazma, N. A. Operational calculus for functions depend-
ing on a matrix parameter. Latvijas PSR Zinatnu Akad.

Vestis 1949, No. 1(21), 123-131 (1949). (Russian)

If a matrix A has the canonical representation

$$S[\lambda_1, \dots, \lambda_n]S^{-1},$$

then $f(A) = S[f(\lambda_1), \dots, f(\lambda_n)]S^{-1}$, and the Laplace trans-
form of such a matrix function as e^{At} can be computed from
the diagonal representation. The author gives a table of
some 40 transform pairs ranging from $t^A = p^{-A-1}(A+1)$, valid
when $\Re p > 0$ and the real parts of all latent roots of A are
> -1, to the operational image of $t^A J_A(t)$, valid under the
same conditions. He also gives an application to a system of
matrix partial differential equations. *A. Erdelyi.*

Source: Mathematical Reviews,

Vol 13 No. 2

Brazna, N. A., and Myškis, A. D. The law of conservation of energy in the theory of generalized systems of telegraph equations. Akad. Nauk SSSR. Prikl. Mat. Meh. 15, 495-500 (1951). (Russian)

The authors consider the vector-matrix telegraphic system

$$(*) \quad -\partial u / \partial x = Rl + L \partial l / \partial t, \quad -\partial l / \partial x = Gu + C \partial u / \partial t,$$

R, L, G and C being constant symmetric matrices, in a region of the form $0 \leq x \leq l, 0 \leq t < T$. In the first section (due to A. D. Myškis) there is set up the energy integral

$$\frac{d}{dt} \int_0^l (Cu \cdot u + Ll \cdot l) dx = - \int_0^l (Gu \cdot u + Ri \cdot l) dx, \quad (0 \leq t < T),$$

subject to the boundary conditions $u=0$ for $x=0, x=l$. The first deduction states in effect that if C, L, G and R are non-negative definite, and at least one of C and G positive definite, and likewise for L and R, then the solution of (*) is unique if u and l are given for $t=0$, and u is given for $x=0$ and $x=l$. The second deduction states that the elementary solutions of (*), obtained by separating the variables, will be attenuated as $t \rightarrow \infty$ if C, L, G and R are non-negative definite, and at least one of G, R is positive definite; this clarifies considerably an earlier investigation [N. A. Brazna, Doklady Akad. Nauk SSSR (N.S.) 69, 313-316 (1949); these Rev. 11, 297]. In the second section N. A. Brazna explains the physical significance of these criteria. F. V. Atkinson (Ibadan).

Latvian State
UNIV.

Source: Mathematical Reviews,

Vol: No.

Small
2/24

Brazma, N. A. The complete hyperbolicity of a generalized system of telegraph equations. Akad. Nauk SSSR. Prikl. Mat. Matem. 13, 301-303 (1951). (Russian)
 In the vector-matrix telegraphic system

$$-\partial u/\partial x = Ri + L\partial i/\partial t, \quad -\partial i/\partial x = Gu + C\partial u/\partial t,$$

let R, L, G, C be constant, symmetric, non-negative definite matrices. The condition for the complete hyperbolicity of this system is reduced to the requirement that the characteristic numbers of the matrix LC should be all positive. The latter is shown to be the case if L and C are both positive definite. One proof of this depends on the work of the paper reviewed above, another, attributed to M. A. Naimark, is purely algebraical.

F. V. Atkinson (Ibadan).

Handwritten initials/signature

Source: Mathematical Reviews,

Vol 13 No. 4

Brazma, N. A. A new solution of the fundamental problem of the propagation of electromagnetic phenomena in a bundle of wires. Doklady Akad. Nauk SSSR (N.S.) 70, 41-43 (1951). (Russian)

In a previous paper [same Doklady (N.S.) 69, 313-316 (1949); these Rev. 11, 297] the author discussed the solution of the vector-matrix telegraphic equations

$$-du/dx = Ri + Ldi/dt, \quad di/dx = Gu + Cdu/dt$$

with $u(0, t) = u_0 = \text{const.}$, $u(l, t) = 0$, $u(x, 0) = 0$, $u'(x, 0) = 0$, where $0 \leq x \leq l$, $0 \leq t < \infty$. He has now succeeded in finding a more explicit and more general form for the solution; the initial condition $u'(x, 0) = 0$ is here replaced by the "more natural" condition $i(x, 0) = 0$.

F. V. Atkinson.

Source: Mathematical Reviews,

Vol 11 No. 3

Small

BRAZMA, N.A.

Some quasi-resonance phenomena in a bundle of wires. Sbor.nauch.rab.
po prov.sviazi no.2:59-70 '53. (MLRA 7:5)
(Telegraph lines) (Electric currents)

1955-2MA-N-A

Brazma, N. A. Generalization of theorems of variation and compensation for n parameters of an electric circuit. Dokl. Akad. Nauk SSSR (N.S.) 105 (1955), 271-274. (Russian)

Doc 1
Math

A linear network is studied n of whose branch impedances Z_i ($i=1, \dots, n$) undergo a variation δZ_i . The ensuing variations δI_i of the branch currents I_i are found. The effect of the variations δZ_i is equivalent to introducing voltage generators with EMF's of $(I_i + \delta I_i)\delta Z_i$ into the n branches [compensation theorem]. The unperturbed network is characterized in terms of the matrix Y consisting of the short-circuit transadmittances among the equivalent generators. Then, forming the diagonal matrix δZ of the δZ_i 's, and the column matrices I and δI of the I_i 's and δI_i 's respectively, the equation is derived:

$$\delta I = (E + Y\delta Z)^{-1}I - I,$$

where E is the unit matrix. An approximate analysis for small δZ_i 's is indicated by means of a matrix expansion of the above equation. *H. A. Haus* (Cambridge, Mass.)

05

BRAZMA N. A.

TRANSLATION FROM: Referativnyy Zhurnal, Matematika, 1957, 44-1-445
Nr. 1, p. 77 (USSR)

AUTHOR: Brazma, N. A.

TITLE: Review of Investigations, Made in Riga, of a System of Matrix Telegraphic Equations (Obzor issledovaniy sistemy matrichnykh telegrafnykh uravneniy, vypolnennykh v Rige)
AN LatvSSR, 1955, Nr 8, pp. 133-141

PERIODICAL:
ABSTRACT: A review of investigations of a system of equations in matrix form $L \frac{dy}{dt} + Ay + Ri = h_1, C \frac{dy}{dt} + Dy + Gu = h_2$ (1) made in Riga, 1948-1955 (the work of V.E. Abolini, N.A. Brazma, E. Ya. Riyekstyn'sh, A. S. Shlopar, and the reviewer). The following are investigated: The general properties of system (1) (properties of coefficient matrices, conditions for possible splitting, etc); general properties of its solutions (uniqueness, dependence on the data of the problem); matrix method of separation of variables (formal scheme, basis in a very simple case, systems with secondary action); matrix method of splitting con-

Card 1/2

Review of Investigations, Made in Riga (Cont.)

44-1-445

ned with Laplacian transformations and systematic application of special functions; nets method (preliminary investigations). The above-mentioned authors have published 27 articles in this field of investigation. (See particularly RZhmat, 1953, 309; 1954, 4022; 1955, 2217D, and 5111). It should be noted that considerable progress has been made in the method of separating variables and the method of nets since the review was made.

A. D. Myshkis

Card 2/2

SOV/44-58-4-3042

Translation from: Referativnyy zhurnal, Matematika, 1958,
Nr 4, p 90 (USSR)

AUTHOR: Brazma, N.A.

TITLE: On the Application of Generalized Functions to the Study of
Transient Processes in Electric Circuits (O primeneni
obobshchennykh funktsiy k issledovaniyu perekhodnykh
protseessov v elektricheskikh tsepyakh)

PERIODICAL: Uch. zap. Latv. un-t, 1957, 10, pp 59-69

ABSTRACT: The Cauchy problem for an ordinary differential equation
of the second order with constant coefficients on a half line is
solved by applying the method of the Fourier transformation of
generalized functions.

G. Ye Shilov

Card 1/1

BRAZMA, N., dots.; BRIGMANE, A., st. prepod.; KRASTINS, A., dots.;
RATS, J., st. prepod.; KIKANS, V., red.

[Higher mathematics] Augstaka matematika. [By] N. Brazma un
citi. Riga, Latvijas Valsts izd-ba, 1964. 390 p. [In
Latvian] (MIRA 17:6)

~~CONFIDENTIAL~~
BRANCOVSKAYA F. A. Topography of efferent paths connecting the cyto-architectonic field of the frontal region with the pons varolii Vop. Neurokhir. 1949, 13/6 (17-22) Illus. 5

For the verification of the topography of the frontopontine tract the fibres were prepared under a magnifying glass. The brains of eight adults were investigated. The fibres of the frontopontine tract are composed of three bundles. The first bundle begins on the external surface of the hemisphere in the superior frontal gyrus in the region of areas 8 and 9. The second starts in the cortex of the lower frontal gyrus of the 45th area, the third issues with an islet of the frontal lobe in the 10th area. That issuing from the 10th area reaches the substantia nigra where it vanishes. In leucotomy the specific features of the topography of the different bundles must be taken into consideration. By a vertical cut passing to the front of the knee of the corpus callosum the first bundle attached to the 8th and 9th areas is spared while the second, starting in the 45th area, is sectioned; the junction of the polar field (in the 10th area) is damaged when the section of the substantia alba leads directly to the cortex of the medial surface of the hemispheres. The presence of projecting tracts uniting the 10th area with the pons and the mesencephalon forces the abandonment of Flechsig's conception of the three zones of the cortex (the primordial projecting one and the secondary associating zones).

Herman - Lodz (VIII, 1)

So: NEUROLOGY & PSYCHIATRY
Section VIII Vol 4 No 1-6

БЛЫНКОВ, С. М.; БРАЗОВСКАЯ, Ф. А.

BLINKOV, S. M.; BRAZOVSKAYA, F. A.; PUTSILLO, M. V.

Correlation of cytoarchitectonics of cerebral cortex and distribution of conductors. Vopr. neurokhir. 15 no. 4:16-23 July-Aug 1951. (CLML 21:3)

1. Of the Institute of Neurosurgery imeni Academician N. N. Burdenko (Director — Corresponding Member of the Academy of Medical Sciences USSR Prof. B. G. Yegorov), of the Academy of Medical Sciences USSR.

BRAZOVSKAYA, F. A.

BRAZOVSKA, F. A. - "Corticopontile Tracts." Sub 6 May 52, Acad Med Sci USSR.
(Dissertation for the Degree of Candidate in Medical Sciences).

SO: Vechernaya Moskva January-December 1952

BRAZOVSKAYA, F.A., kandidat meditsinskikh nauk (Moscow); BLINKOV, S.M., professor, zaveduyushchiy; YEGOROV, B.G., chlen-korrespondent Akademii meditsinskikh nauk SSSR professor, direktor.

Topography of the conducting paths which connect in man the cortical areas of the temporal, parietal and occipital regions of the cerebral cortex with the pons Varolii. Vop.neirokhir. 17 no.2:22-29 Mr-Apr '53. (MLRA 6:5)

1. Kabinet arkhitektoniki mozga Instituta neyrokhirurgii imeni akademika N.N. Burdenko Akademii meditsinskikh nauk SSSR (for Blinkov). 2. Institut neyrokhirurgii imeni akademika N.N. Burdenko Akademii meditsinskikh nauk SSSR (for Yegorov). 3. Akademiya meditsinskikh nauk SSSR (for Yegorov).

ADRIANOV, Oleg Sergeyevich; MERING, Tat'yana Aleksandrovna. Prinsipal
uchastiy LEONTOVICH, T.A. BRAZOVSKAYA, F.A., red.; BEL'CHIKOVA,
Yu.S., tekhn.red.

[Atlas of the brain and spinal cord of the dog] Atlas mozga
sobaki. Moskva, Izd-vo med.lit-ry, 1959. 236 p. (MIRA 13:10)
(DOGS--ANATOMY--ATLASES) (NERVOUS SYSTEM--MAMMALS)

NESMEYANOVA, T.N.; BRAZOVSKAYA, F.A.; IORDANSKAYA, Ye.N.

Case of partial regeneration of nerve conductors in sectioned spinal cord in dogs. Fiziol.zhur. 46 no.2:202-209 F '60. (MIRA 14:5)

1. From the Physiological Laboratory, U.S.S.R. Academy of Sciences, Moscow.

(NERVOUS SYSTEM—DEGENERATION AND REGENERATION)

BRAZOVSKAYA, F.A.; NESMEYANOVA, T.N.; IORDANSKAYA, Ye.N.

Scar formation in the central nervous system under the influence
of pyrogenal. *Biul. eksp. biol. i med.* 50 no. 11:121-123 N '60.
(MIRA 13:12)

1. Iz fiziologicheskoy laboratorii Akademii nauk SSSR, Moskva.
(PYROGENS) (SPINAL CORD) (CICATRICES)

BRAZOVSKAYA, F. A.; NESMEYANOVA, T. N.; IORDANSKAYA, Ye. N. (Moskva)

Effect of pyrogenal on the formation of the cicatrix after
sectioning of the spinal cord. Vop. neurokhirurgii no.3:6-9
162.
(MIRA 15:7)

1. Fiziologicheskaya laboratoriya Akademii nauk SSSR.

(SPINAL CORD SURGERY) (CICATRICES)
(PYROGENAL)

BLINKOV, S.M., prof.; BRAZOVSKAYA, F.A., kand.med.nauk

Projection of the lateral ventricle on the sulci and gyri of the
cerebrum in brain tumors. Probl.sovr.neirokhir. 4:85-94 '62.

(BRAIN—TUMORS)

(MIRA 16:2)

BLINKOV, S.M., prof.; ERAZOVSKAYA, F.A., kand.med.nauk

Topography of the internal capsule in a healthy man and in a
brain tumor. Probl.sovr.neirokhir. 4:315-321 '62.

(ERAIN--TUMORS)

(MIRA 1632)

NESMEYANOVA, T.N.; IOBANSKAYA, Ye.I.; BRAZOVSKAYA, F.A.

Effect of various doses of PYROGENAL on the formation of a
brain scar. Biol. eksp. biol. i med. 56 no.9:115-119 S 183.
(MIRA 17:10)

1. Iz Instituta vysshey nervnoy deyatel'nosti i neyrofiziologii
AN SSSR. Predstavlena deystvitel'nym chlenom AN SSSR A.V. Le-
bedinskim.

L 43213-65

ACCESSION NR: AR5007744

S/0299/65/000/002/M019/M019

SOURCE: Ref. zh. Biologiya. Abs. 2M103

AUTHOR: Nesmeyanova, T. N.; Brazovskaya, F. A.; Arnautova, Ye. N.

TITLE: Transplants as regeneration stimuli

CITED SOURCE: Sb. Mekhanizmy kompensatorn. prispobleniy. M., Nauka, 1964, 115-123

TOPIC TAGS: tissue transplant, spinal cord transplant, axon regeneration, formalinized spinal cord, sciatic nerve, regeneration stimulus

TRANSLATION: In 20 dogs, the spinal cord was bisected at the level of the 11th-12th thoracic vertebra, without damaging the anterior spinal artery. The animals in Group I received transplants of spinal cord fragments which had been preserved in 10% formalin for 2-3 weeks; those in Group II received untreated spinal cord which had been stored for about 1 hr. in a refrigerator at 4C; those in Group III received freshly excised sciatic nerve which had been bisected 2 weeks before transplant; and those in Group IV received pieces of wax. A histomorphological study carried out 2 weeks later showed that in the

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L 43215-65

ACCESSION NR: AR5007744

animals of Group I only the peripheral parts of the transplant had been displaced by strands of fibroblasts, fine collagen fibers and scattered granular, globular formations. In the dogs of Groups II and III, the entire transplant was replaced by porous connective tissue. In the dogs of Group IV, the spinal cord defect ventral to the transplant was filled with dense connective tissue. In the dogs of Groups I, II and III, the condition of the axons was significantly better and their growth was more effectively stimulated (especially in Group I); wax had no positive effect on the condition and growth of the axons. N. Solov'yeva

SUB CODE: LS

ENCL: 00

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Card 2/2

BRAZOVSKAYA, T.I., kand.ekon.nauk; BIRMAN, A.M., dotsent, kand.ekon.nauk, red.

[Organization of finances in automotive transportation] Organizatsiia finansov avtomobil'nogo transporta. Pod red. A.M. Birmana. Moskva, Mosk.gos.ekon.in-t, 1958. 64 p. (MIRA 12:3)
(Transportation, Automotive--Finance)

BRAZOVSKAYA, Tat'yana Ivanovna; CHECHEL', A.A., red.; MAL'KOVA, N.V.,
tekh.red.

[Fixed and working capital of automotive transportation units]
Osnovnye i obrotnye sredstva avtomobil'nykh khoziaistv. Moskva,
Nauchno-tekhn.izd-vo M-va avtomobil'nogo transporta i shosseinykh
dorog RSFSR, 1959. 81 p. (MIRA 13:2)
(Transportation, Automotive--Accounting)

BIRMAN, A.M., doktor ekonom.nauk; BRAZOVSKAYA, T.I.; BELOUSOVICH, S.N.;
VESELKOV, F.S.; KATSENELENBAUM, Z.S.; IVLIYEV, I.V.; SEMENOV, I.Ya.;
YAKOVLEV, M.S.; LAYKHTMAN, R.I.; GOFMAN, G.A.; SHUMOV, N.S.;
VINOKUR, R.D., dotsent; TATSIY, G.M., red.; KONDRAT'YEVA, A., red.;
TELEGINA, T., tekhn.red.

[Finances of enterprises and branches of the national economy]
Finansy predpriatii i otraslei narodnogo khoziaistva. Aytorskii
kollektiv pod rukovodstvom A.M.Birmana. Moskva, Gosfinizdat, 1960.
576 p. (MIRA 14:3)

1. Moskovskiy finansovyy institut (for Vinokur).
(Finance)

KALABUKHOV, F.V.; SEMIKIN, N.V.; SHUL'MAN, A.S.; BRAZOVSKAYA, T.I.;
MIZINOV, V.N.; BASH, M.S.; BRONSHTEYN, L.A.; POLCHANIHOV,
P.V.; VERKHOVSKIY, I.A.; KOROL'KOV, A.I.; GERONIMUS, B.L.;
STRYZHKOVA, N.I., red.; GALAKTIONOVA, Ye.N., tekhn. red.

[Principles of the economics of automotive transportation;
for the aid of those studying the economics of automotive
transportation] Osnovy ekonomiki avtomobil'nogo transporta;
v pomoshch' izuchaiushchim ekonomiku avtomobil'nogo trans-
porta. Moskva, Avtotransizdat, 1963. 357 p.

(MIRA 17:3)

1. Zaveduyushchiy kafedroy ekonomiki i organizatsii proiz-
vodstva Moskovskogo avtomobil'no-dorozhnogo instituta (for
BronshTEYN).

BRAZOVSKII, A.

Mechanization of work in the electrification of Soviet railroads. p.125.
(Zeleznicar, No. 5, May 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 9, Sept. 1957. Uncl.

BRAZOVSKIY, A.

PA 22T19

USSR/Aeronautics
Flight training
Aeronautics, Military

Aug 1947

"The Instructor," A. Brazovskiy, 3 pp

"Vestnik Vozdushnogo Flota" No 8 (342)

The degree of preparation of the instructor and his ability to teach greatly influence the preparation of fledgling pilots. The author states that Captain Kutuzov and Belousov are ideal instructors because of their experience in aviation and their ability to impart their knowledge to their students.

22T19

LUTSEVICH, P.A.; MONGALEV, G.F.; MIKHALEVICH, N.G.; ZINOVICH, K.F.;
SAFRONENKO, A.P.; KLIMENKOV, P.A.; GAYDUKEVICH, N.M.; SILIN,
M.S.; BRAZOVSKIY, P.V.; KOVPAK, M.D.; MELESHKEVICH, O.A.;
KAMENTSEVA, V.N.; KULIKOVSKIY, A.V.; TARAYKOVICH, P.I.;
ALEYNIKOV, G.A.; SHMULEVICH, Sh.S.; GRACHEVA, K.I.; NIKOLAYEVA,
Yu.N.; VOLOKHOV, M.A.; DOMASHEVICH, O., red.; KARKLINA, E.,
red.; ZUYKOVA, V., tekhn. red.

[Manual for livestock raisers] Spravochnik zhivotnovoda.
2., dop. i perer. izd. Minsk, Gos.izd-vo sel'khoz.lit-ry
BSSR, 1963. 462 p. (MIRA 16:8)

1. Glavnyy zootekhnik Upravleniya nauki Ministerstva sel'skogo
khozyaystva Belorusskoy SSR (for Safronenko).
(Stock and stockbreeding)

VESELKOV, F.S.dots., red.; POLYAKOV, P.G., dots., red.; ~~BRAZOVSKIY,~~
T.I., dots., red.; KONDRAT'YEVA, A., red.; LEBEDEV, A.,
tekh. red.

[Financial practice in industry; from the work practice of enterprises and regional economic councils] Finansovaya rabota v promyshlennosti; iz opyta raboty predpriatii i sov-narkhozov. Moskva, Gosfinizdat, 1962. 166 p. (MIRA 15:9)

1. Kafedra finansov Moskovskogo instituta narodnogo khozyaystva im. G.V.Plekhanova (for Veselkov, Polyakov, Brazovskiy).
(Finance)

BRCÁK, J.

"Ants of the High Tatra Mountains." (p.197). BIOLOGICKY SBORNIK. (Slovenska akademie vied a umeni) Bratislava. Vol. 7, No. 1/2, 1952.

SO: East European Accessions List, Vol 3, No 8, Aug 1954.

BROOK, J.

"Nonparasitcal Mortality In The Progeny Of Some Lepidoptera." p. 157.
(Zoologica: A Entomologica Libry. Vol. 3, No. 3, Oct. 1953, Paris.)

VOL. 3, NO. 3.

SO: Monthly List of East European Accessions,/Library of Congress, March 1954, Uncl.

BRONK, S.

Brad, J.; Hildebrand, A.

"A Handy Silen Vee er Cage For Sticking Insects, Carriers of Plant Viruses."
p. 309. (Zoologické a Entomologické Listy. Vol. 2, No. 3, Oct. 1955, Praha)

Vol. 2, No. 3.

SO: Monthly List of East European Accessions, Library of Congress, March 1956, Wash.

LIMBERK, J.; BRGAK, J.

Vegetative correlation between *Nicotiana tabacum* L. and of *Nicotiana glutinosa* L. in tobacco mosaic virus infection. *Fol. biol.*, Praha 1 no.4:230-241 30 Aug 55.

1. Biologicheskiy institut ChSAN, fitopatologiya, Praga.
(VIRUSES,
tobacco mosaic virus of *Nicotiana tabacum* & *N. glutinosa*)

BRCÁK, J.

Limberk, J. Effect of vegetative compatibility on the infection of Nicotiana tabacum L. and N. glutinosa L. by the tobacco mosaic virus. p. 243.
CESKOSLOVENSKÁ BIOLOGIE, Praha, Vol. 4, no. 4, Apr. 1955.

SO: Monthly List of East European Accessions, (SEAL), 10, Vol. 4, no. 10, Oct. 1955,
Uncl.

LIMBERK, J.; BRCAK, J.

Vegetative correlation between *Nicotiana tabacum* L. and of *Nicotiana glutinosa* L. in tobacco mosaic virus infection. *Fol. biol.*, Praha
1 no.4:230-241 30 Aug 55.

1. Biologicheskiy institut ChSAN, fitopatologiya, Praga.
(VIRUSES,
tobacco mosaic virus of *Nicotiana tabacum* & *N. glutinosa*)

LIMBERK, Jaroslav; BRCAK, Jaroslav

Effect of vegetative correlation between infections of
Nicotiana tabacum L. and N. glutinosa L. with tobacco mosaic
virus. Cesk. biol. 4 no.4:243-250 Apr 55.

1. Biologicky ustav CSAV, fytopatologie, Praha.
(VIRUSES,
tobacco mosaic virus, infect. of Nicotiana
tabacum & N. glutinosa)

BRCÁK, J.

SCIENCE

Periodicals: Ceskoslovenska společnost entomologická .CASOPIS. ACTA SOCIETATIS ENTOMOLOGICAE CECOSLOVENIA. Vol. 52, 1955

BRCÁK, J. A contribution to a study of the ecology of Hyaalesthes obsoletus Sign., a carrier of the "stolbur" disease, and of its distribution, especially in Bohemia. p. 99.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 5,
May 1959, Unclass.

BRCÁK, J.

SCIENCE

Periodicals: Československa společnost entomologická. (CASOPIS. ACTA SOCIETATIS ENTOMOLOGICAE CECOSLOVENIAE. Vol. 52, 1955

BRCÁK, J. The contaminating transmission of the tobacco mosaic virus through insects with the biting type of mouth parts. p. 107.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 5,
May 1959, Unclass.

CZECHOSLOVAKIA / Plant Diseases. Cultivated Plants. 0-2

Abs Jour: Ref Zhur-Biol., 1958, No 17, 78015

Author : Blattny, Ctibor; ~~Brcek, Jaroslav~~; Limberk,
Jaroslav; Bojnansky, Vit

Inst : Not given

Title : The Problem of the Epidemiology of Big Buds in
Czechoslovakia and the Peculiarity of Big Buds
of Potatoes.

Orig Pub: Ceskosl. biol., 1956, 5, No 2, 95-104

Abstract: On the basis of a study of the ecology of
Hyalosthes obsoletus Sign. and of the Regional
Area of big bud infestation the possibility is
established of the transfer of big buds of pota-
toes by tubers, apart from insects. By the
transfer of the infections through tubers, the
disease of potatoes with big buds in periods when

Card 1/2

7

CZECHOSLOVAKIA / Plant Diseases. Cultivated Plants. 0-2

Abs Jour: Ref Zhur-Biol., 1958, No 17, 78015

Abstract: the imago of H. obsoletus is still not at large can be explained. In addition to weed and carrier control, it is recommended to plant intergrown tubers of the early sorts; tubers with threadlike sprouts should be excluded and used for planting only with potatoes from areas free of big buds.

Card 2/2

BREAK, J.

CZECHOSLOVAKIA / General and Specialized Zoology. P
Insects. Insect and Mite Pests.

Abstr Jour : Ref Zhur - Biol., No 10, 1958, No 44892

Authors : Pozdena, J.; Break, J.

Inst : Not given

Title : The Effectiveness of Phenylethylformate Against
the Grain Beetle *Stegobium panicum* L.

Orig Pub : Zool. listy, 1956, 5, No. 2, 173-177.

Abstract : The experimental treatment of empty store-
houses with the Czechoslovakian insecticide
phenylethylformate (PEF) at an application
rate of 90 ml/m³ and 20° temperature completely
destroyed the beetle *S. panicum* in 25 minutes.
The total destruction of the beetle *S. pani-*
icum in a biscuit storehouse occurred only at
the expenditure of 240-250 ml/m³ PEF. The

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CZECHOSLOVAKIA / General and Specialized Zoology. P
Insects. Insect and Mite Pests.

Abs Jour : Ref Zhur - Biol., No 10, 1958, No 44892

The larvae of the parasite *Lariophagus distinguendus* in the beetle's body partially survived the use of PEF, necessitating a combination of chemical and biological methods of control.
-- N. N. Dobrokhotova.

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CZECHOSLOVAKIA / Virology. Plant Viruses.

E-2

Abs Jour : Ref Zhur - Biol., No 18, 1958, No 81210

Authors : ~~Brcak, I.~~; Polak, Z.; Pintera, A.

Inst : Not given

Title : Inhibitory Effect of the Juice of *Phytolacca Americana* and *P. Acinosa* on Infection by Tobacco Mosaic and Beet Mosaic Virus.

Orig Pub : Folia biol. (Ceskosl.), 1957, 3, No. 6, 374-381.

Abstract : Infectiousness of beet juice affected by beet mosaic virus is fully inhibited by the juice of *P. americana* leaves. When 1 part of tobacco juice containing tobacco mosaic virus is mixed with 3 parts of juice of *P. americana* or *P. acinosa*, the suppression of necroses on leaves of *Nicotiana glutinosa* attains 94-94-98%. -- M. I. Gol'din.

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CZECHOSLOVAKIA / Virology. Plant Viruses.

E-2

Abs Jour : Ref Zhur - Biol., No 20, 1958, No 90567

Authors : Brcak, J.; Polak, Z.; Pintera, A.

Inst : Botanical Institute of the Czech. AS

Title : The Inhibiting Effect of *Phytolacca Americana* and *Phytolacca Acinosa* on Tobacco Mosaic and Sugar Beet Mosaic Virus Diseases.

Orig Pub : Ceskosl. biol., 1957, 6, No. 5, 386-392

Abstract : The addition of an equal quantity of *Phytolacca americana* leaf juice to beet juice infected with the sugar beet mosaic virus (SBMV) almost completely inhibited the infectious properties of the latter (at pH 7.0). The increased content of *P. americana* juice completely removed the infectiousness of SBMV. The inactivating effect of *P. acinosa* juice on SBMV is considerably weaker. The mixture of one part of tobacco juice infected with a yellow strain of tobacco mosaic virus with three parts of *Phytolacca americana* or *Phytolacca acinosa*

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CZECHOSLOVAKIA / Virology. Plant Viruses.

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Abs Jour : Ref Zhur - Biol., No 20, 1958, No 90567

juice decreased by 94-98% the incidence of necrosis when infecting the leaves of *Nicotiana glutinosa* with this virus. The work was acrried out in the Department of phytopathology of the Botanical Institute of the Czechoslovak Academy of Sciences. -- M. I. Gol'din.

Card 2/2

BROCAK, J.: LIMBERK, J.

Changes in the reaction of tobacco to the infection with the tobacco-mosaic virus as a result of graft symbiosis of Nicotiana tabacum L. and Nicotiana glutinosa. p. 382.

Praha, Czechoslovakia, Vol. 7, no. 5, Sept. 1958.

Monthly List of East European Accessions (EEAI), IC. Vohl 9, no. 2. Feb. 1960.

Uncl.

BRCÁK, J.: LIMBERK, J.

Reaction of Chenopodium Nuttalliae Safford to the tobacco-mosaic virus.
p. 389.

Praha, Czechoslovakia, Vol. 7, no. 5, Sept. 1958.

Monthly List of East European Accessions (EEAI), LC. Vol. 9, no. 2.
Feb. 1960.

Uncl.

BRCAK, J.

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Relation of insects to tobacco mosaic viruses. Vop.virus. 4
no.2:171-176 Mr-Apr '59. (MIRA 12:6)

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(VIRUSES,

tobacco mosaic viruses, passage through insects (Rue))

(INSECTS,

passage of tobacco mosaic viruses (Rus))