

ANTONYUK, N.Ye., kand.med.nauk

Treatment in coronary insufficiency with 6-methylthiouracil. Nauch.  
trudy L'vov.obl.terap.ob-va no.1:284-288 '61. (MIRA 1615)

1. Kafedra fakul'tetskoy terapii pediatricheskogo i sanitarno-  
gigiyenicheskogo fakul'tetov L'vovskogo meditsinskogo instituta  
(sav. kafedroy - dotsent S.M. Martynov).  
(CORONARY HEART DISEASE) (URACIL--THERAPEUTIC USE)

BALITSKIY, K.P., kand.med.nauk; ANTONYUK, R.D. (Kiyev)

Eigth International Anticancer Congress. Vrach.delo no.11:15~~5~~  
157 N '62. (MIRA 16:2)

(CANCER--CONGRESSES)

ANTOPOV'SKIY, V., prepodavatel' elektrotexniki (Saratov)

Demonstration apparatus for the operating principle of  
a three-phase asynchronous electric motor. Prof.-tekh.  
obr. 19 no.8:24 Ag '62. (MIRA 15:12)  
(Electric motors, Induction)

ANTONYUK, M.R.; YAROSHINSKII, Yu.N.

Lethal outcome in galvanocautery of the palatal tonsil. Vest.  
otorin. 22 no.3:96-99 My-Je '60. (MIRA 13:10)  
(TONSILS--DISEASES) (ELECTROTHERAPEUTICS)

ANTONYUK, M.Ya. [Antoniuk, M.IA.]; VARSHAVSKIY, B.Ya. [Varshavs'kiy, B.IA.], kand.nel'skokhoz.nauk, red.

[Work practices of consolidated mechanized teams] Dosvid roboty ukрупnenoj mekhanizovanoj lanky. Kyiv, 1959. 22 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' URSS. Ser.6, no.6) (MIRA 12:5)

1. Lankova kolhospu im. B. Khmel'nyts'koho, Shums'koho raionu, Ternopil's'koj oblasti (for Antonyuk). (Agriculture)

AUTHOR:

*ANTONYUK, N.I.*  
Antonyuk, N.I.

93-57-7-17/22

TITLE:

Storing Packaged Petroleum Products for Long Periods  
of Time (O dlitel'nom khraneniі nefteproduktov v tare)

PERIODICAL:

Neftyanoye khozyaystvo, 1957, Nr 7, pp 59-60 (USSR)

ABSTRACT:

The author states that lubricating oils and grease packaged in barrels of aspen or beech wood can be stored for five years or longer without ill effects if the barrels are handled properly and the storehouses ventilated according to prescribed rules. He tells of a case concerning a shipment of lubricating oils that were barreled in aspen or beech wood barrels made in 1951-52 and sent from the Aldy and Nikel' railroad stations to the Voroshilov, Ippolitovka and Telyanza railroad stations, and to 11 other locations. The first three locations were instructed in the handling and storing of this freight with the result

Card 1/2

Storing Packaged Petroleum Products (Cont.)

93-57-7-17/22

that after five years of storage the barrels either developed slight leaks or remained in good condition. In the 11 locations which did not receive instructions, the barrels developed heavy leaks three to six months after delivery and had to be transferred after 1-1 1/2 years of storage.

AVAILABLE: Library of Congress

Card 2/2 1. Oil-Storage

ANTONYUK, P. K.

Clinical manifestations, therapy and prophylaxis of tetraethyl  
lead poisoning. *Feldsher & akush.* no.9:29-32 Sept. 1950.  
(CIAML 20:1)

1. Lt-Col., Medical Corps.



ANTONYUK, P. E.

General principles of diagnosis and therapy of acute poisoning  
and toxic infections. *Vedusher & akush. no.5:42-48* May 1951.

(CJML 21:1)

1. Lt-Col, Medical Corps.

ANTONYUK, P.P.

The KOI-4,2 cultivator. Biul.tekh.-ekon.inform. no.7:57-58 '58.

(MIRA 11:9)

(Cultivators)

ANTONYUK, P.P.; VERNYATEV, O.; YERSHOV, P.

Cultivator for mulberry shrub plantations. Trakt. i sel'khozmasb.  
no.12:24-25 D '58. (MIRA 11:12)  
(Cultivators) (Mulberry)

**ANTONYUK, F.P., insh.**

The KSH- 3,6 rod-connected cultivators. Trakt. 1 sel'khozmasb.  
no.1:39 Ja '59: (MIRA 12:1)

(Cultivators)

ANTONYUK, P.P., insh.

The KOP-4,2 cultivator. Trakt. 1 sel'khozmasb. no.2:34-35  
P '59. (MIRA 12:1)

1. Zavod "Krasnyy Aksay."  
(Cultivators)

ANTONYUK, P.P.; YERSHOV, P.G.; VERNYAYEV, O.V.

KSh-5 mounted wide-range orchard cultivator. Trakt. i sel'khoz mash.  
no.4:36-37 Ap '59. (MIRA 12:5)

1.Zavod "Krasnyy Aksay."  
(Cultivators)

ANTONYUK, P.P., insh.

SPN-35 semi-mounted hitch. Trakt. i sel'khozmasb. no.5:40-41  
M<sub>1</sub> '59. (MIRA 12:6)  
(Agricultural machinery—Hydraulic equipment)

ANTONYUK, P.P.

A rotary MPB-6 soil tilling machine. Trakt.i sel'khozmasb.  
no.8:35 Ag '62. (MIRA 15:8)

1. Gosudarstvennoye spetsial'noye konstruktorskoye byuro  
po sel'skokhozyaystvennym i vinogradnikovym mashinam, gor.  
Rostov-na-Donu.  
(Tillage) (Agricultural machinery)



ANTONYUK, P.P., inzh.

The KShi-3,6 rod-sweep cultivator. Trakt. i sel'khozash.  
no.10:34 O '64. (MIRA 17:12)

1. Gosudarstvennoye spetsial'noye konstruktorskoye byuro po  
sel'skokhozyaystvennym i v'ingradnikovym mashinam.

KAVETSKIY, R.Ye. (Kiyev); ANTONYUK, R.D. (Kiyev)

Interrelations between a tumor and the body; review of data  
from the Eighth International Cancer Research Congress. Vop.  
onk. 9 no.1:8-13 '63. (MIRA 16:5)  
(ONCOLOGY--CONGRESSES)

AKSAMENTOVA, N.V.; ANTONYUK, R.M.

Stratigraphy and facies of the Devonian sediments of the  
northwestern part of the cis-Chingiztau region. Izv. AN  
Kazakh. SSR. Ser. geol. 21 no.3:45-56 My-Je '64.

(MIRA 17:11)

1. Karagandinskaya geologos'yemoch'naya poiskovaya ekspeditsiya,  
Karaganda.

MILLER, Ye.Ye.; ZARAVNYAYEVA, V.K.; ANTONYUK, R.M.

Volcanic ophiolite formation of the Rphean. Trudy Inst. geol.  
nauk AN Kazakh. SSR 13:17-50 '65. (MIRA 19:1)

ZARAVNYAYEVA, V.K.; ANTONYUK, R.M.; RAKHIMBAYEV, T.

Volcanic (prophyrite) formation of the Ashgill stage of the  
Upper Ordovician. Trudy Inst. geol. nauk AN Kazakh. SSR 13:  
145-201 '65. (MIRA 19:1)

ANTONYUK, R.M.; AKSAMENTOVA, N.V.

Upper Ordovician and Lower Silurian in the northwestern part of  
the cis-Chingiztau region. Izv. AN Kazakh.SSR.geol.nauk 21  
no.6:38-51 N-D '64. (MIRA 18:3)

1. Karagandinskaya geologos'yemochnaya ekspeditsiya, g. Karaganda.

ANTONYUK, R.S. (Kiyev)

Outpatient service for factory workers. Sov.zdrav. 15 no.5:42-46  
8-0 '56. (MLRA 10:1)

1. Zaveduyushchiy zdavpunktom zavoda imeni Dzerzhinskogo  
(OUTPATIENT SERVICES  
for factory workers in Russia)  
(INDUSTRIAL HYGIENE  
outpatient serv. for factory workers in Russia)

RAZUMOVICH, M.B.; DZIK, M.F.; ANTONYUK, S.A.

Prophylaxis in poisoning with phosphorus organic compounds.  
Nauch.dokl.vys.shkoly; biol.nauki no.3:116-119 '59.  
(MIRA 12:10)

1. Rekomendovana kafedroy normal'noy fiziologii Brestskogo pedagogicheskogo instituta im. A.S.Pushkina.  
(PHOSPHORUS ORGANIC COMPOUNDS--TOXICOLOGY)



ANTONYUK, S. I.

ANTONYUK, S. I. "Harmful insects on the State Nurseries of the Left-Bank Forest Steppes Region of the Ukrainian SSR and a System of Measures to Combat Them." Min Higher Education Ukrainian SSR. Ukrainian Order of Labor Red Banner Agricultural Academy. Kiev, 1956. (Dissertation for the Degree of Candidate in Agricultural Science)

So: Knishnaya Letopis', No. 19, 1956.

GUSEV, V.I.; ANTONYUK, S.I.

Migration method of scarabaeid larvae (Coleoptera, Scarabaeidae) in  
the soil. Ent.obez.35 no.1:56-59 '56. (MIRA 9:10)

1.Kiyevskiy Lenotekhnicheskii Institut, Kiyev.  
(Scarabaeidae) (Larvae)

USSR/General and Systematic Zoology. Insects. Harmful P  
Insects and Acarids. Forest Pests.

Abs Jour : Ref Zhur - Biol., No 3, 1959, No 11688

Author : Antonyuk S.I.

Inst : -

Title : The Vine Weevil *Poritulus familiaris* Boh. (Colo-  
pota, Curculionidae) - A New Pest of the Maple  
and of the Horse Chestnut in Nurseries.

Orig Pub : Entomol. obozroniyo, 1958, 37, No 1, 132-133

Abstract : In the Barysh nursery of the Kiev Oblast' in May-  
June, 1952, the buds and leaves of the silver-  
maple young trees were damaged by the weevil (W)  
by 75% (23 beetles per plant), the leaves of the  
horse chestnut seedlings, by 38% (12 beetles per  
plant), and the leaves of the apple young trees,  
by 10% (5 beetles per plant). 62.4% of the maple

Card : 1/2

- 54 -

USSR/General and Systematic Zoology. Insects. Harmful P  
Insects and Acarids. Forest Pests.

Abs Jour : Ref Zhur - Biol., No 3, 1959, No 11688

young trees, planted in stump, with completely  
devoured buds and leaves had taken root. At the  
settlement of W in autumn, it is expedient not to  
plant the damaged cultivations and to keep the  
region under black fallow for one season. The  
sowing should be separated from the area popu-  
lated with W by a canal serving as a barrier, and  
its bottom be dusted with a mixture of DDT and  
BHC. DDT and BHC dusts and emulsions are effec-  
tive in the control of W. -- A.P. Adrianov

Card : 2/2

L 4008-66 EWT(d)/EWP(o)/EWP(v)/T/EWP(k)/EWP(l)/ETC(m) WW

UR/0286/65/000/015/0105/0105

ACCESSION NR: AP5024418

40  
B

AUTHORS: Stamov-Vitkovskiy, A. V.; Antonyuk, V. A.

TITLE: Ultrasonic transducer. Class 42, No. 173489

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 15, 1965, 105

TOPIC TAGS: ultrasonic sensor,<sup>10</sup> acoustic transducer, magnetostriction oscillator

ABSTRACT: This Author Certificate presents an ultrasonic transducer with a diaphragm in the form of a rectangular or circular sheet to which magnetostriction stacks are fastened at the antinodes of the flexural oscillations. To distribute uniformly the field and to increase the efficiency, the drivers (e.g. magnetostriction stacks) having a natural frequency corresponding to one of the diaphragm oscillation modes are placed at the antinodes of the diaphragm flexural oscillations having the same phase (see Fig. 1 on the Enclosure). The diaphragm is fastened to a can or a tank at the nodes forming a closed contour on the diaphragm surface. Orig. art. has: 1 diagram.

ASSOCIATION: Gosudarstvennyy komitet oboronnoy promyshlennosti SSSR (State Committee of Defense Industry, SSSR)

UDC: 534.2-8

Card 1/3

L 4008-66

ACCESSION NR: AP5021418

SUBMITTED: 23Apr64

ENCL: 01

SUB CODE: EC

NO REF SOV: 000

OTHER: 000

Card 2/3

L 4008-66

ACCESSION NR: A15024418

ENCLOSURE: 01

0

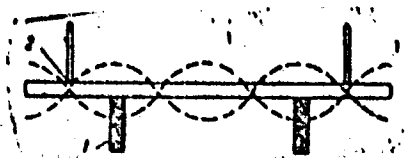


Fig. 1. 1- magnetostriction stacks;  
2- displacement nodes

*Card*  
Card 3/3

L 17378-66 ENT(1) RO

ACC NR: AP6007005

SOURCE CODE: UR/0320/65/000/011/0091/0095

AUTHOR: Antonyuk, V. G.

28  
B

ORG: Crimea State Agricultural Test Station (Krymskaya gosudarstvennaya sel'skokhozyaystvennaya opyt'naya stantsiya)

TITLE: Efficiency of various means of controlling weeds in forest strips

SOURCE: Vestnik sel'skokhozyaystvennoy nauki, no. 11, 1965, 91-95

TOPIC TAGS: weed killer, forestry, agricultural machinery, economics

ABSTRACT: This is a report on a 2 year field experiment in the Crimea where a new forest strip was planted with a tree-planting machine which set rows of one year old seedlings of honey locust and sycamore. Control of weeds during the next 2 years was attempted by hand weeding, by machines with and without herbicides, and by herbicides alone, and the costs of these treatments were calculated. The machines plowed and then ground the weeds. The chemicals used were 2,4 D derivatives (best at temperatures above 25 C), simazin, chlorazin, propazin and dalapon. Over the 2 year period, hand weeding required 9

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UDC: 634.956.584+632.954+(477.9)

2

L 17378-66

ACC NR: AP6009005

treatments, the machines alone required 13, machines with chemicals required 10, and the chemicals alone required 4 treatments. Good results were obtained with combined machine and chemical treatment, with one spraying, one plowing, and 3 grinding operations per season. The trees grew identically in all test variants. Soil moisture was determined monthly in summer down to 1.5 m and was 3-5% lower in the control part where weeds were left to grow. A cost comparison shows that hand weeding was costliest and mechanical treatment was cheapest, but that the latter destroyed only 20% of the weeds in wet soil and proved harmful in summer weather. Herbicide treatment alone was more expensive since the trees were planted too close for mechanized spraying. The combined treatment was best because it required only 1.9 days work per hectare or 1/6 the work needed for hand weeding. However, at present 14-20% of new growth is still weeded by hand in 5 annual treatments requiring 50 work days per hectare. It was concluded that the best results are obtained by applying machines before the dry season, then chemicals. If chemical spraying can be mechanized it is more economical. Orig. art. has: 2 figures and 4 tables.

SUB CODE: 02 / SUBM DATE: none  
Card 2/2 nst



UGNIVENKO, N.Ye., agronom po zashchity rasteniy (poselok Klepinino, Krymskoy obl.); ANTONYUK, V.G., inzh. lesnogo khozyaystva (poselok Klepinino, Krymskoy obl.)

Protection of forest belts. Zashch. rast. ot vred. i bol. 8 no.12:  
35 D '63. (MIRA 17:3)

ANTONYUK, V.I., kandidat tekhnicheskikh nauk.

Investigating ceramic-tipped cutting tools. Nauch. trudy NPI 26:385-390  
'55. (MLRA 9:12)

(Cutting tools)

*Antonyuk, V.I.*

PHASE I BOOK EXPLOITATION

SOV/4221

Novocherkassk. Politekhnikheskiy institut

Raboty mekhanicheskogo fakul'teta (Works of the Division of Mechanics)  
[Novocherkassk] 1958. 203 p. (Series: Its: Trudy, tom 90) Errata slip  
inserted. 2,000 copies printed.

Editorial Board: V.P. Mikhaylov (Resp. Ed.), Candidate of Technical Sciences,  
Docent; A.A. Pyatnitskiy, Professor; P.M. Vlasov, Candidate of Technical  
Sciences, Docent; I.N. Goncharov, Candidate of Technical Sciences, Docent;  
P.P. Klochko, Candidate of Technical Sciences, Docent; N.M. Savin, Candidate  
of Technical Sciences, Docent; and A.A. Kutukov (Resp. Secretary), Candidate  
of Technical Sciences, Docent; Tech. Ed.: P.S. Baymatov.

PURPOSE: This book is intended for technical personnel in mechanical engineering.

COVERAGE: This collection of works deals with investigations of internal combus-  
tion engines, metal cutting, gears, resistance-type strain gages, and wear  
of machine parts. No personalities are mentioned. References accompany  
several of the articles.

Card 1/7

Works of the Division of Mechanics

SOV/4221

Lyshevskiy, A.S. On the Determination of the Amount of Fuel Leakage in Injection Pumps and Nozzles 65  
The author presents a more accurate method of determining the rate of fuel leakage in the operation of a fuel injection pump and nozzle.

Lyshevskiy, A.S. On the Determination of Fluid-Friction Force Between a Cam Follower and a Guide 71  
Using a cylindrical coordinate system and assuming that the follower is subjected only to linear-reciprocating and rotary motion and that the oil-film pressure is constant, the author derives an expression for calculating fluid-friction force between cam follower and guide.

Belitskiy, M.S. [Candidate of Technical Sciences, Docent, Department of the Operation of Automobile Transport]. Life of Valve-Gear Elements of an Automobile Engine in the Process of Operation 77  
The author investigates the wear of camshaft pins, cams, and stems of followers and valves.

Belitskiy, M.S. On the Problem of Limiting Allowable Clearance Between the Piston Skirt and the Cylinder Liner in an Automobile Engine 87  
By means of hydrodynamic analysis of the oil film between two parallel

Card 3/7

Works of the Division of Mechanics

SOV/4221

planes the author derives an expression for calculating the maximum allowable clearance between a cylinder liner and a piston skirt. With the formula derived, he makes calculations for a number of Soviet types of engines and concludes that presently used standard clearances are too small and may be increased to their maximum values as determined by calculation. The increase in clearance will result in the reduction of wear and repair costs.

Zimin, Yu.P. [Candidate of Technical Sciences, Docent, Department of Machine-Building Technology], and K.M. Stroyeva [Candidate of Technical Sciences, Docent, Department of Metal Technology]. Investigation of the Properties of High-Speed Steel Made From Chips

Chemical, macro-, and microstructural analysis, hardness tests, and determination of density and cutting properties were made for original and heat-treated specimens made of chips produced by milling of types P9 and P18 high-speed steels. Comparative tests were also made of cutting tools manufactured from the standard steels mentioned above and from their chips. The results show that the properties of cutting tools remain nearly the same in all cases.

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Card 4/7

Works of the Division of Mechanics

SOV/4221

termine the effect of number of teeth, velocity ratio, and circumferential velocity on the performance of a pair of gears with one gear made of steel and the other of DSP-G "drevplastik." The maximum circumferential unit pressure (g/cm of the tooth width) under which no appreciable wear or failure occurred was used as a criterion in determining gear load-carrying capacity.

Chudutov, V.A. [Assistant Professor, Department of the Theory of Mechanisms and Machine Parts]. Performance of the Wire Grid of a Resistance-Type Strain Gage in a Zone of High Temperatures

131

Effect of temperature on the resistance of a strain-gage wire is investigated. Results show that the rate of change in the resistance is a function of time and heating temperature. It decreases with time and becomes stable when held for 8 hours at 150°C.

Chudutov, V.A. Effect of the Shape of the Wire Grid of a Resistance-Type Strain Gage on the Gage Factor

139

Effects of gage base, nonparallelism of grid wires, deformation of wires and part being tested, and the number of grid loops on the gage factor are investigated. Results show that for the gage bases from 2 to 5 cm long the change in the number of loops between the limits of 6 and 18 has very little effect on the gage factor.

Card 6/7

L 31310 66 EWT(1)/T JK

ACC NR: AP6022582

(A,N)

SOURCE CODE: UR/0346/66/000/001/0020/0022

AUTHOR: Darda, P. N.; Salazhov, Ye. L.; Antonyuk, V. P.; Likhachev, N. V. (Professor Scientific director) JS

ORG: ~~State~~ Scientific Control Institute of Veterinary Preparations (Gosudarstvennyy nauchno-kontrol'nyy Institut veterinarnykh preparatov) B

TITLE: Antigenic properties of foot-and-mouth disease virus strain A1

SOURCE: Veterinariya, no. 1, 1966, 20-22

TOPIC TAGS: foot and mouth disease, antigen, virus, virology

ABSTRACT: Serological and biological tests (complement fixation test) were conducted to investigate the antigenic properties of an epizootic strain (A1) of the foot-and-mouth disease virus isolated in 1964 in Trans-Caucasus. The strain was found to belong among the variants of Type A of the virus and is distinguished in its properties from the A-102, A-103, and A-standard variants cultivated in the laboratory. Orig. art. has: 2 tables. [JPRS]

SUB CODE: 06 / SUBM DATE: none

Card 1/1 CC

UDC: 619.616.988.43.097

09/5

0599

ANTONYUK, V.P.

Control of foot-and-mouth disease. Veterinaria 41  
no.11:27-32 N '64. (MIRA 18:11)

1. Glavnyy veterinarnyy vrach protivoyashchurnoy ekspeditsii  
Gosudarstvennogo nauchno-kontrol'nogo instituta veterinarnykh  
preparatov Ministerstva sel'skogo khozyaystva SSSR.



BASHKIN, S.M., kand.tekhn.nauk, dotsent; ANTONYUK, V.Ye., inzh.

Calculating stresses in a gear wheel having a flexible rim.  
Vest.mashinostr. 45 no.11:9-11 N '65.

(MIRA 18:12)

ANTONYUK, Ye.I. [Antoniuk, IE.I.]

"International Geophysical Year; information bulletin no.3."  
Reviewed by E.I.Antoniuk. Dop. AN URSR no.1:138-139 '62.  
(MIRA 15:2)

(Ukraine—Geophysical research)

LEBEDEV, Taras Sergeyeovich; SOBAKAR', Grigoriy Timofeyevich; SUBBOTIN,  
S.I., akademik, otv. red.; ANTONYUK, Ye.I., red.; RAKHLINA,  
N.P., tekhn. red.

[Tectonics of the northeastern Azov Sea region; based on  
geophysical data] Tektonika severo-vostochnogo Priazov'ia; po  
dannym geofizicheskikh issledovani. Kiev, Izd-vo Akad. nauk  
USSR, 1962. 82 p. (MIRA 15:10)

1. Akademiya nauk Ukrainskoy SSR (for Subbotin).  
(Azov Sea region--Geology, Structural)

ANTONYUK, Ye.I., kand. geol.-mineral. nauk

Features of new models of the "Warden" gravimeter. Neft. i gaz.  
prom. no.2:79 Ap-Je '63. (MIRA 17:11)

1. Institut geofiziki AN UkrSSR.

MUKHIN, A.V.; ANTONYUK, Ye.I.

Summing up the results of the Fifth-All-Union Scientific and  
Technical Geophysical Conference. Neft. i gaz. prom. no.1:67  
Ja.-Mr '64. (MIRA 18.2)

SHAPOVAL, V.I.; ANTONYUK, Ye.I.

Some data on the density of igneous rocks in the southwestern  
part of the Ukrainian Crystalline Shield. Geol. zber. no.9:39-  
43 '64. (MIRA 18:6)

1. Institut geofiziki AN UkrSSR.

ANTONYUK, Ye.I.; GOLOVTSYN, V.N.; GURA, K.A.

Practice in the interpretation of the curves of vertical electric logging without parameters. Sbor.nauch.rab.Kiev.un. no.1:122-128 '63. (MIRA 18:11)

GINZBURG, I.V.; ROGACHEV, D.L.; ANTONYUK, Ya.S.; NALIVKIN, A.B.

Holmquistite, a mineral of the rhombic amphibole group. Izv. Kar. f  
Kol.fil.AN SSSR no.5:62-76 '58. (MIRA 12:9)

1. Geologicheskiy institut Kol'skogo filiala AN SSSR.  
(Holmquistite)



ANTONYUK, Ye.S.

Gypsum and opal products of the contemporary chemical weathering  
of amphibolites in the Lake Bol'shoy Lapot' region. Mat.po min.  
Kol'.poluost. 1:127-129 '59. (MIRA 15:2)  
(Kola Peninsula--Weathering) (Amphibolite)

~~ANTONYUK Ya. S.~~

Anatase leucoxene from gneissose granites in the central part  
of the Kola Peninsula. Mat. po min. Kol'. polucost. 2:149-151  
'62. (MIRA 16:4)

(Kola Peninsula—Leucoxene)  
(Kola Peninsula—Granite)

ANTONYUK, Ye.S.

Structural and mineral complexes of granite-pegmatite veins.  
Mat. po min. Kol'. poluost. 3:65-85 '62. (MIRA 17:3)

USSR/Russian and Animal Physiology - The Nervous System.

Abstr Jour : Ref Zhur - Biol., No 4, 1958, 18919

Author : S.I. Frankhteyn, V.A. Antonjukenko, V.Yu. Girshevich and N.K. Kapustina

Title : The Significance of Pathological Dominance in a Clinic of Central Paralysis (The Mechanisms of Increase in Muscle Tonus, Pathological Reflexes, Synergism and the Restoration of Motor Function).

Orig Pub : Vestn. Akad. med. nauk SSSR, 1957, No 2, 17-29

Abstract : On the basis of experimental data and clinical observations the authors arrive at the conclusion that at the root of the increase in muscle tonus in decerebrate rigidity and hemiplegia lies the emergence of dominant excitation foci in the central nervous system--in the first case as a result of disinhibition of the centers of anti-gravitational muscles, which are even normally in a state

Card 1/2

ANTONYUZHENKO, V.A., Cand Med Sci -- (diss) "Clinical and  
physiological analysis of changes in muscular tonus in  
patients after <sup>central</sup> ~~narrow~~ *INSULT* ." Mos, 1958, 10 pp  
(First Mos Order of Lenin Med Inst in I.M. Sechenov)  
200 copies (KL, 50-58, 128)

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ANTONYUZHENKO, V.A.

Early increase in muscular tonus in central paralysis. Nauch.  
rab. asp. i klin. ord. no.6:97-103 '60. (MIRA 14:12)

1. Klinika norvnykh bolezney (zav. deystvitel'nyy chlen AMN SSSR prof.  
N.I.Grashchenkov) Tsentral'nogo instituta usovershenstvovaniya vrachey.  
(PARALYSIS) (MUSCLES)

AUTHOR: Antonyuzhenko, V. F. 10.0-58-0-0, 21

TITLE: The Balancing of Polygon Traverses by the Method of Intermediate Observations (Upravnechivaniye poligonometricheskikh setey sposobom posredstvennykh izmereniy)

PERIODICAL: Geodeziya i kartografiya, 1958, Nr 6, pp. 10-24 (USSR)

ABSTRACT: First the method is explained. If three interdependent linear equations with two unknowns are given (the number of measured quantities being greater and the number of unknowns being smaller than the number of equations), a system of standard equations (2') and (2'') corresponds to these equations. By solving this system the unknowns and the correlates, and then the corrections  $v$  are determined according to the formulae of type (3). The equation is simplified if in each of the equations (2') only one correlate is contained. This leads to formulae (4) and (6'). (6') is introduced into (2''), and (7) is obtained. Such formulae may also be obtained from (4). This may be done when the latter - the equations (4) - are given as equations of error (8). Then it is possible to determine the unknowns  $x$  and  $y$  by solving equations (7).

Card 1/4

SOV/c-68-2-110

## The Balancing of Polygon Traverses by the Method of Intermediate Observations

and to obtain the correlates using (6') and the corrections using (3). From (6') and (8) follows (6''). In order to be able to employ this method in balancing of polygon traverses, at first the equations (9) for a traverse between two triangulation stations are deduced. In the balancing of a line between two triangulation stations three standard equations are set up, as usually (9). The lines forming the traverse are either run between the trigonometrical stations and the junction points or between two junction points. For each of these traverses normal equations can be set up. The free terms are corrected in order to precise the position of the junction points. It is assumed that the network was previously balanced with respect to the angle conditions. The deflection angles  $v$ , the coordinate corrections  $\Delta x$ ,  $\Delta y$ , the approximated coordinates  $x_0$  and  $y_0$  of the junction points are computed. The resulting discrepancies  $f_x$  and  $f_y$  are obtained. For the final balancing of the network the deflection angles of the lines between the junction points and the approximate coordinates of the junction points must be corrected by  $v_x$ ,  $v_y$  and  $v_z$ , respectively. These corrections are computed according to formula (10). Hence, the first part

Card 2/4



SOV/6-58-6-4/21

The Balancing of Polygon Traverses by the Method of Intermediate Observations

of the 2. and the 3. equation (9) will take the form of (13). The origin of the coordinate system is then transposed into the center of gravity of the polygon. Finally, the equations (16) are obtained. Each of them contains only one correlate. Hence, the equations of error can be represented in the form

of (17), according to (4) and (8). Subsequently the corresponding formulae for the following cases are deduced.

1) The point of beginning and the final point have fixed coordinates: equation (17) is simplified.

2) The point of beginning coincides with the origin of a rectangular coordinate system  $t, u$  and the closing line is parallel to the axis  $t$ .

3) Balancing by taking into consideration the systematic errors in linear measurements. As a conclusion the order of the computation is given for the case, where it should be necessary to balance the separate traverses individually after the balancing of the junction points of the network.

Card 3/4

ANTONYUZHENKO, V. F.

Cand Tech Sci - (diss) "Balancing of polygonometric networks."  
Moscow, 1961. 19 pp; (Ministry of Higher and Secondary Specialist  
Education RSFSR, Moscow Inst of Engineers of Geodesy, Aerial  
Photography, and Cartography); 200 copies; price not given; in  
front of author's designation: V. P. Antnoyuzhenko /17; (KL,  
7-61 sup, 231)

ANTONYUZHENKO, V.F., assistant

Criterion of the curvature of a polygonal traverse. *Izv.vys.ucheb.zav.;*  
geod.i aerof. no.1:65-72 '61. (MIRA 14:6)

1. Kyevskiy inshenerno-stroitel'nyy institut.  
(Traverses (Surveying))

ANTONYUZHENKO, Vladimir Fedorovich; SELIKHANOVICH, V.G., dots.,  
retsensent; LARIN, D.A., dots., retsensent; SHURYGINA, A. I.,  
red.isd-va; ROMANOVA, V.V., tekhn. red.

[Compensation of traverse networks] Uravnovesivanie poligono-  
metriceskikh setei. Moskva, Geodezizdat, 1962. 101 p.  
(MIRA 15:7)

(Traverses (Surveying))

22(1)

SOV/47-59-2-23/31

AUTHOR: ~~Antopol'skaya, R.I.~~ (Moscow)

TITLE: The Method of Conducting Practical Work in Studying a Transformer, Depending on the Available Equipment (Metodika provedeniya prakticheskoy raboty po izucheniyu transformatora v zavisimosti ot imeyushchegosya oborudovaniya)

PERIODICAL: Fizika v shkole, 1959, Nr 2, pp 76-82 (USSR)

ABSTRACT: Practical work with a transformer requires a great number of measuring instruments not always available in the schools. Experience in teaching electrical engineering at the schools Nr 204 and 1 of the Oktyabr'skaya zheleznaya doroga (October RR), Moscow, has shown that this work can be carried out in various variants with a different number of devices and by using graphs obtained in the process of work in lieu of devices. Practical work was conducted with a universal school transformer using a 5-lamp resistor each of 25 and 40 watt capacity and a voltage of 12 volts as an active load. The author describes 7 variants of practical work with a transformer, which have as a problem the determining of the

Card 1/2

SOV/47-59-2-23/31

The Method of Conducting Practical Work in Studying a Transformer, Depending on the Available Equipment.

efficiency and power factor of a transformer with 2 wattmeters being available, the same with 1 wattmeter, the same with 1 voltmeter, etc. He further deals with the work of a transformer when the secondary circuit is disconnected, with a short-circuit, and with the working process of a transformer. There are 8 diagrams, 4 graphs and 5 tables.

Card 2/2

ANTOPOL'SKAYA, R. I

Equipping the work area for laboratory work in electricity.  
Politekh.obuch. no.11:90 N '59. (MIRA 13:2)

1. Srednyaya shkola No.204, Moskva.  
(Electricity--Study and teaching)

ANTOPOLSKI, Michal, mgr., ins.; MOSAKOWSKI, Kazimierz, mgr., ins.; NOWAKOWSKI,  
Ryszard, mgr., ins.

Application of linear programming to repair planning in professional  
thermal power stations. Energetyka Pol 16 no.2: Bulletin:4-7 '62.

1. Zaklad Systemow Energetycznych.



ANTOPOLSKI, Michal, mgr inż.; NOWAKOWSKI, Romuald, mgr inż.

Linear programming in economic computations of the development of power systems. Pt. 1. Energetyka Pol 15 no.10:Suppl: Biuletyn Instytutu Energetyki 3 no.9/10:39-40 0 '61.

1. Zakład Systemów Energetycznych, Instytut Energetyki, Warszawa.

ANISOL - 111 x 11

ORLOVSKIY, A.V., professor; LYUTER, R.A., doktor tekhnicheskikh nauk; KAZOVSKIY, Ye.Ya., kandidat tekhnicheskikh nauk; YAKOBSON, El'mar, inzhener; ANTOPOL'SKIY, V.M., inzhener; PUKHOV, O.Ye., doktor tekhnicheskikh nauk; FYURSTENBERIN, A.I., inzhener; BERGER, A.Ya., professor (Leningrad); TSVERAVA, G.K., inzhener; KRAYNIY, K.I., inzhener (g.Kotovsk, Tambovskoy obl.); BELOV, V.N., inzhener (g.Ul'yanovsk).

Correspondence conference of readers of "Elektrichestvo" Elektrichestvo  
no.8:89-91 Ag '53. (MLBA 6:8)

1. Kiyevskiy politekhnicheskiy institut (for Orlovskiy).
2. Zavod "Elektrosila" (for Lyuter and Kazovskiy).
3. Estonkommunenergo (for Yakobson).
4. Saratovskiy industrial'nyy tekhnikum (for Antopol'skiy).
5. Tomskiy politekhnicheskiy institut imeni Kirova (for Pukhov).
6. Tikhvinskiy glinozemny zavod (for TSverava). (Electric engineering--Periodicals)

KALMYKOVA, Z.I. (Moskva); AZHIYEV, B. (Saykhinskaya srednyaya shkola,  
Kazakhskaya SSR); ANTOPOL'SKIY, V.M. (Saratov)

Problem of the overworking of students. *Fiz.v shkole* 20 no.4;  
58-60 J1-Ag '60. (MIRA 13;8)  
(Education--Curricula)

L 21167-66 EWP(1) IJP(σ) BB/GG

ACC NR: AP5010960

SOURCE CODE: CZ/0080/65/000/004/0058/0098

AUTHOR: Antos

ORG: Tesla, n.p., Lanskrout

TITLE: Logiset modular blocks of logical circuits

SOURCE: Automatizace, no. 4, 1965, 98

TOPIC TAGS: logic circuit, digital computer, miniature computer

ABSTRACT: The article briefly describes and gives the parameters of modular blocks of logical units designed for use in the miniaturization of digital computers. Orig. art. has: 1 figure. [JPRS]

SUB CODE: 09 / SUEM DATE: none

Card 1/1 NK

ANTOS, A.

3

CZECHOSLOVAKIA

ANTOS, A; JEZEK P; NINGER, E; TOVAISEK, J.

1. Third Internal Medicine Clinic of J. E. Purkyně University (III vnitřní klinika University J. E. Purkyně), Brno; 2. Infectious ward of the Faculty Hospital (Infekční oddělení fakultní nemocnice), Brno-Bohunice

Repr. from YALITSA LEKARNIKA, No 7, 1963, pp 682-689

"Serum Enzymes (Transaminases and Aldolase) in Some Chronic Hepatic Disorders and in Diseases of the Biliary Passages."

ANTOS, Eduard

Analysis of the use of mechanization means in 1962 and evaluation of the mechanization plan for 1963. Inz stavby 11 no.8: Suppl.:Mechanizace no.8:115-117 '63.

1. Ministerstvo stavebnictvi, Praha.

AMIA, 1980.

Some members of the... industry.  
Industry no. 12: Suppl: Medical... 1980.

1. Ministry of Building, Tehran.

MARSALEK, Jan, Prof., Dr.; ANTOS, Jar., Dr.

Considerations on vaginal and abdominal approaches in surgery  
of the cervix uteri. Cesk. gyn. 21 no.3:180-184 Apr 56.

(CERVIX, UTERINE, neoplasms,  
surg., indic. for vaginal & abdom. technics. (Cs))



ANTOS, Jaroslav; NYKLICEK, Otakar

Vascular changes in cancer of the cervix uteri; cyto-colposcopic studies.  
Neoplasma, Bratisl. 5 no.2:199-206 1958.

1. Clinique obstetricale et gynecologique de L'Academie militaire de  
Medicine Jean Ev. Purkyne, Hradec Kralove, Section obstetricale et  
gynecologique de l'hospital a Nachod. Adresse des auteurs: Dr. J. Antos,  
Gynekologicka klinika VIA, Hradec Kralove, Dr. O. Nyklicek, Gynkol. odd.  
nemocnice, Nachod.

(CERVIX NEOPLASMS, pathology,  
vasc. (Fr))

ANDRYS, Josef; BLECHOVA, Dagmar; ANTOS, Jaroslav; TOMANEK, Jiri

Osteogenesis imperfecta. Sborn. ved. prac. lek. fak. Karlov. univ.  
(Hrad Kral) 4 no.3:351-359 '61.

1. Gynekologicko-porodnicka klinika; prednosta prof. Dr. Sc. MUDr.  
J. Pazourek Radiologicka klinika; prednosta prof. Dr. Sc. MUDr. J.  
Basticky.

(OSTEOGENESIS IMPERFECTA case reports)

SNAJD, V., prof.; ANTOS, J.; LUKAS, V.; BOUDA, J.; BARDOS, A.; MANKA, J.;  
HAJEK, A.; PACIN, Z.; SKACEL, K.; STIRSA, E.; SIKL, O.; SKCDA, V.

Clinical aspects of carcinoma of the endometrium. Cesk. gynek. 27  
no.3:173-177 Ap '62.

1. I gyn. klin. fak. vseob. lek. KU v Prase, prednosta prof. MUDr.  
K. Klaus.

(UTERUS NEOPLASMS)

ROSOL, M.; ANTOS, J.

Gynecological cytodiagnosis\* with the aid of Czechoslovakian inks.  
Cas. Lek. Cesk. 101 no.5:138-142 2 F '62.

1. Gynekologicko-perodnicka klinika LFUK v Hradci Kralove, prednosta  
prof. DrSc. MUDr. Josef Pasourek.

(CYTODIAGNOSIS) (INK)

ANTOS, J.; NYKLICEK, O.

Experience with the testing of radiosensitivity in cancer of the uterine cervix. Neoplasma 9 no.6:555-562 '62.

1. Regional Institute of Public Health, Obstetrico-Gynecological Clinic, Hradec Kralove, CSSR Hospital at Nachod, Obstetrico-Gynecological Department, Nachod, CSSR.

(CERVIX NEOPLASMS)

(RADIOTHERAPY)

(MENSTRUATION)

ROSOL, Miroslav; ANTOS, Jaroslav

Detection of atypical conditions of the cervical epithelium with the aid of a simple cytodagnostic method. Sborn. ved. prac. lek. fak. Karlov. univ. (Hrad Kral) 4 no.5:599-604 '61.

1. Gynekologicko-porodnicka klinika; prednosta prof. DrSc. MUDr. J. Pazourek.

(CERVIX NEOPLASMS)

ANTOS, Jaroslav; LUKAS, Vladimir

Case finding in cancer of the corpus uteri. Sborn. ved. prac. lek.  
fak. Karlov. univ. (Hrad Kral) 4 no.5:635-643 '61.

1. Gynekologicko-porodnicka klinika; prednosta prof. SrSc. MUDr.  
J. Pazourek.

(UTERINE NEOPLASMS)

REZACOVA, Zdena; ANTOS, Jaroslav; VOTIK, Ota

Sexual behavior of mature and fertile women. Sborn. ved. prac. lek.  
fak. Karlov univ. (Hrad Kral) 4 no.5:645-649 '61.

1. Gynekologicko-porodnicka klinika; prednosta prof. DrSc. MUDr.  
J. Pasourek.

(SEX BEHAVIOR) (PREGNANCY) (LABOR)



ANTOS, Jaroslav; REZACOVA, Zdena

Forceps delivery in breech presentation in the past 20 years in the Gynecological Clinic in Hradec Kralove. Sborn. ved. prac. lek. fak. Karlov. univ. (Hrad Kral) 4 no.5:657-660 '61.

1. Porodnicko-gynekologicka klinika; prednosta prof. DrSc. MUDr. J. Pasourek.

(LABOR PRESENTATION) (OBSTETRICAL FORCEPS)

NYKLICEK, O.; ANTOS, J.

Sensitivity after irradiation in cervical cancer in the cytological picture. Cesk. gyn. 28 no.3:196-200 Ap '63.

1. Gyn.-por. odd. OUMZ v Nachode, vedouci MUDr. O. Nyklicek,  
CSc. Gyn.-por. klin. lek. fak. KU v Hradci Kralove, prednosta  
prof. dr. J. Pasourek, DrSc.  
(CERVIX NEOPLASMS) (NEOPLASM RADIOTHERAPY)  
(CELL NUCLEUS) (PROTOPLASM)  
(NEOPLASM IMMUNOLOGY)

L 21171-66 EJA(h)  
ACC NR: AP6010949

SOURCE CODE: CZ/0014/65/000/005/0180/0183

AUTHOR: Antos, Josef

ORG: none

TITLE: Modern types of electrolytic capacitors 25

SOURCE: Sdelovaci technika, no. 5, 1965, 180-183

TOPIC TAGS: electrolytic capacitor, electronic component

ABSTRACT: This article describes and discusses the types of electrolytic capacitors now available and the prospects of the further development of these devices. Orig. art. has: 12 figures. [JPRS]

SUB CODE: 09 / SUBM DATE: none / ORIG REF: 001 / OTH REF: 003

21  
B

card 20 BK

L 21501-66 EWA(a)/EWH(t) JP  
ACC NR: AF6010941

SOURCE CODE: CZ/0014/65/000/006/0008/0210

AUTHOR: Antos, Josef

ORG: none

TITLE: Miniature resistors 25

41  
8

SOURCE: Sdelovaci technika, no. 6, 1965, 208-210

TOPIC TAGS: resistor, soldering, miniature electric equipment

ABSTRACT: A review is presented of the miniature resistors now manufactured in Czechoslovakia, and their characteristics are tabulated. Miniature resistors now account for about 5 percent of all resistors used, and this ratio is expected to increase to 20 percent by 1970. Reliability of the miniature resistors depends not only on production quality but also on how they are handled and installed. Users should devote special attention to the length of the soldered lead, and to the duration and temperature of soldering. Orig. art. has: 5 figures and 3 tables. [JPRS]

SUB CODE: 09 / SUBM DATE: none

Card 1/1 *dd*

L 21162-66

ACC NR: AP6010934

SOURCE CODE: CZ/0014/65/000/010/0382/0382

AUTHOR: Antos, Josef

ORG: none

TITLE: Dustproof carbon film track potentiometers with improved resistance to climatic influences

SOURCE: Sdelovaci technika, no. 10, 1965, 382

TOPIC TAGS: electronic equipment, potentiometer/TP 281b potentiometer, TP 280b potentiometer

ABSTRACT: The article describes new TP-280b (without switch) and TP-281b (with switch) carbon film track potentiometers made in Czechoslovakia which have been successfully used to improve the quality of sensitive parts in electronic equipment. The improved design of the potentiometers and the use of metal enclosures give them an improved resistance to climatic influences. Orig. art. has: 2 figures and 3 tables. [JPRS]

SUB CODE: 09 / SUBM DATE: none

Card 1/1

L 33034-66  
ACC NR: AP6024249

SOURCE CODE: CZ/0014/65/000/011/0414/0415

34  
B

AUTHOR: Antos, Josef

ORG: none

TITLE: Voltage dependent resistors (varistors)

SOURCE: Sdelovaci technika, no. 11, 1965, 414-415

TOPIC TAGS: resistor, volt ampere characteristic, circuit design, dielectric property, varistor/WK 559 00 varistor

ABSTRACT: The article discusses the basic properties of voltage dependent resistors, the volt-ampere characteristics, loading capacity, dielectric properties and applications, and presents a table of the technical data of the WK 559 00 varistor produced in Czechoslovakia. Basic principles to be observed in the designing of circuits with varistors are listed. Orig. art. has: 5 figures, 13 formulas and 1 table.  
[JFRS]

SUB CODE: 09 / SUBM DATE: none

Card 1/1

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L 34564-66  
ACC NR: AP6025514 SOURCE CODE: CZ/0014/65/000/012/0471/0473

AUTHOR: Antos, Josef 32  
ORG: none B

TITLE: Miniature rotary capacitors ✓

SOURCE: Sdelovaci technika, no. 12, 1965, 471-473

TOPIC TAGS: capacitor, dielectric capacitor, miniature electric equipment/TELSA WN 704 00 capacitor, TELS A WN 704 01 capacitor, TELS A WN 704 03 capacitor

ABSTRACT: The article discusses the factors influencing the dimensions of rotary capacitors, the possible methods of reducing those dimensions and the results attained in Czechoslovakia. The principal parameters of capacitors produced there are given and in particular, the capacity of the TESLA WN 704 00, WN 704 01 and WN 704 03 capacitors (with polystyrene foil dielectric) are presented. Orig. art. has: 9 figures and 2 tables. [JPRS: 34,691]

SUB CODE: 09 / SUBM DATE: none

Card 1/1

L 33199-66

ACC NR: AP6023815

SOURCE CODE: CZ/0014/66/000/001/0018/0019

AUTHOR: Antos, Josef

27  
B

ORG: none

TITLE: Selection of capacitors

SOURCE: Sdelovaci technika, no. 1, 1966, 18-19

TOPIC TAGS: capacitor, electronic component

ABSTRACT: The article discusses the characteristics and parameters of various types of capacitors and detailed lists of the requirements which may be presented, which often result in compromise because no capacitor meets all the requirements. The article also deals with the considerations to be taken into account in arriving at the compromise solution. Orig. art. has: 2 figures and 2 tables. [JPRS]

SUB CODES: 09 / SUBM DATE: none

Card 1/1 *pla*

0915

15714



ANTOS, K.

"Reference Department of Technical Libraries", P. 10, (TECHNICKE NOVINY,  
Vol. 2, No. 9, May 1954, Praha, Czechoslovakia)

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

ANTOS, K.

Czechoslovakia/Organic Chemistry - Synthetic Organic Chemistry, E-2

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 61575

Author: Antos, K., Forman, Z., Kristian, P.

Institution: None

Title: Concerning the Preparation of Nitroso Pentamethylenetetramine

Original  
Periodical: Prisperek k priprave dinitrozopentametylentetraminu, Chem. zvesti,  
1956, 10, No 3, 162-169; Slovak; Russian and German resumés

Abstract: There have been determined the optimal conditions for preparing  
dinitroso pentamethylene tetramine (I) by nitrosation of hexamethylene  
tetramine: temperature from -5 to 5°; 18.5% excess NaNO<sub>2</sub> + HNO<sub>3</sub>;  
use of 12.5% HNO<sub>3</sub>; pH 3.5-4.5. Under these conditions yield of I  
is 73%.

Card 1/1

*Handwritten:* H. H. 207, A.  
NEMEC, Pavol; DROBNICA, Ladovit; ANTOS, Kamil; KRISTIAN, Pavol; HUIKA,  
Alexander; HORAKOVA, Katatina

Cancerostatic action of beta-naphthylisothiocyanate. Neoplasma,  
Bratisl. 5 no.2:207-208 1958.

1. Faculty of Chemistry, Slovak Polytechnical University, Bratislava.  
Authors' address: Prof. Dr. P. Nemeo and co-workers, Chemicka fakulta  
Slovenskej vysokej školy technickej, Bratislava, Kollarovo namestie 1.

(CYANATES, effects,

**B**naphthylisothiocyanate, on exper. cancer)

(CYTOTOXIC DRUGS, effects,

same)

ANTOS, K. and others.

Isothiocyanates. I. Preparation of some carboxphenylisothiocyanates as biological active substances. p. 27

CHEMICKE ZVESTI. (Slovenska akademia vied a Spolok chemikov na Slovensku Bratislava, Czechoslovakia, Vol. 13, no. 1, 1959.

Monthly List of East European Accessions, (EPAI) LC, Vol. 8, No. 7, July 1959.  
Uncl.

10/15/58

Distr: 4E2c(j)/4E3d

1. Preparation of ...

... was obtained by ...

123

Distr: 4E20(j)/4E3d

\ Isothiocyanates. V. The effect of the isothiocyanate group on the aromatic ring. K. Antoš, P. Krutín, A. Hulpá, R. Rusina, P. Neumec, and L. Drobnica (Slovenská vysoká škola techn., Bratislava, Czech). *Chem. zvesti* 14, 365-71(1960)(German summary); cf. CA 54, 22432e.—To det. the effect of the isothiocyanate group on electron density of the aromatic ring, absorption max. of various thiocyanates of various derivs. of dimethylaminocarbene in the visible spectral area were studied. The max. showed that the isothiocyanate groups in the *o*- and *p*-positions cause a greater movement of the absorption max. towards higher wave lengths than in the *m*-position, which indicated that there was a possibility of condensing  $\pi$ -electrons in *o*- and *p*-positions. In the case of Me homologs, the position of the Me group could move the max. to higher or lower wave lengths. From the max., especially of 4-isothiocyanato-4'-dimethylaminocarbene, at 432 m $\mu$  it could be judged that the isothiocyanate group had a moderate deactivation effect on the aromatic ring and it was very close to the effect of the isocyanate ( $\lambda$  433 m $\mu$ ) and CH:CH<sub>2</sub> ( $\lambda$  435 m $\mu$ ) groups. The validity of the structure RN<sup>+</sup>=C=S<sup>-</sup> was proved.

Jan Mielcer

7  
 1-AM(BW)  
 1-JAJ(NB)  
 2

CRK

KRISTIAN, Pavel, ins., C.Sc.; ANTOS, Kamil, doc., ins., C.Sc.; HULKA, Alexander, ins.; NEMEC, Pavel, clen korespondent Slovenskej akademie vied Drebica, Ludivit, ins., C.Sc.

Isothiocyanates. Part 8: Examination of the synthesis of diisothiocyanates and aminisothiocyanates of acridine. Chem zvesti 15 no.10: 730-736 ( '61.

1. Katedra organickej chemie and Katedra technickej mikrobiologie a biochemie Slovenskej vysekej skoly technickej, Bratislava. Authors' address: Bratislava, Kollarovo nam. 2, Chemicky pavilon Slovenskej vysekej skoly technickej.

VLACHOVA, D.; ZAHRADEK, R.; ANTOS K; KRISTIAN, P.; HOLKA, A. CSUR

Institute of Physical Chemistry, Czechoslovak Academy of Science, Prague  
(for Zahradnik), Institute of Industrial Hygiene and Occupational Diseases,  
Prague, and Department of Organic Chemistry, Slovak Technical University,  
Bratislava (for the rest)

Prague, Collection of Czechoslovak Chemical Communications, No 12, 1962,  
pp 2826-2830

"Kinetics of the Reaction with  $\text{OH}^-$  Ions and Polarography of Aromatic  
Isothiocyanates"

5



ANTOS, Kamil, doc., inz., C.Sc. (Bratislava, Kollarovo nam. 2, Chemicky pavilon Slovenska vysoka skola technicka); KOVAC, Stefan, inz., dr., C.Sc. (Bratislava, Kollarovo nam. 2, Chemicky pavilon, Slovenska vysoka skola technicka)

Contribution to the structure of  $\alpha$ -aminoazo compounds. Chem zvesti 16 no. 3:187-199 Nr '62

1. Katedra organickej chemie slovenskej vysokej skoly technickej. Bratislava

KRISTIAN, Pavel, inz., C.Sc.; KOVAC, Stefan, dr., inz., C.Sc.;  
ANTOS, Kamil, doc., inz., C.Sc.; HULKA, Alexander, inz.

Isothiocyanates (X). Polycondensated aromatic isothiocyanates.  
Chem zvesti 16 no.7:542-552 JI '62.

1. Katedra organickej chemie, Slovenska vysoka skola  
technicka, Bratislava, Kollarovo namesti 2, Chemicky  
pavilon.

VLAGOVA, D.; ZAHRAJNIK, R.; ANTOS K; KRISTIAN, P.; MUKA, A.

4  
GSSR

Institute of Physical Chemistry, Czechoslovak Academy of Science, Prague  
(for Zahradnik), Institute of Industrial Hygiene and Occupational Diseases,  
Prague, and Department of Organic Chemistry, Slovak Technical University,  
Bratislava (for the rest)

Prague, Collection of Czechoslovak Chemical Communications, No 12, 1962,  
pp 2826-2840

"Kinetics of the Reaction with OH<sup>-</sup> Ions and Polarography of Aromatic  
Isothiocyanates"

VLACHOVA, D.; ZAHRADNIK, R.; ANTOS, K.; KRISTIAN, P.; HULKA, A.

Kinetics of the reaction with  $\text{OH}^-$  ions and polarography of aromatic isothiocyanates. Coll Cs Chem 27 no.12:2826-2840 D '62.

1. Institute of Industrial Hygiene and Occupational Diseases, Prague, and Department of Organic Chemistry, Slovak Technical University, Bratislava. 2. Institute of Physical Chemistry, Czechoslovak Academy of Sciences, Prague (for Zahradnik).