

SERGEEV, P.G.; RIAZANTSEVA, N.E.; SHROIT, I.G.

The dynamics of pathological processes in experimental measles in monkeys. Acta virol. Engl. Ed. Praha 4 no. 5: 265-273 S'60.

1. The Measles Laboratory, Ivanovsky Institute of Virology, U.S.S.R., Academy of Medical Sciences, Moscow, and the Moldavian Institute of Epidemiology, Microbiology and Hygiene, Kishinev.
(MEASLES exper)

SHLYAKHOV, E.N.; SHROIT, I.G.

Anthrax. Biological and immunological principles of diagnosis and prevention. II. Pathomorphological changes in skin in the anthraxin allergy test. J. hyg. epidem. (Praha) 8 no.3:307-312 '64

1. Moldavian Institute of Epidemiology, Microbiology and Hygiene,
Kishinev.

USSR/Microbiology. Microbes Pathogenic for Man and
Animals

F

Abs Jour : Ref Zhur-Biol., No 13, 1958, 57820

Author : Shrom M. G.
Inst : Kazan Medical Institute
Title : Comparative Evaluation of the Microcultures
and Bacterioscopy for the Discovery of Tubercular
Bacilli in Sputum

Orig Pub : Sb. nauchn. rabot, Kazansk. med. in-t, Kazan,
1957, 91-97

Abstract : No abstract

Card 1/1

SHROM, M. G.: Master Med Sci (diss) -- "A comparative evaluation of the method of microcultures and bacterioscopy for detecting tuberculosis mycobacteria in the sputum". Kazan', 1958. 16 pp (Kazan' State Med Inst), 200 copies (KL, No 11, 1959, 123)

SHRON, Robert Zemelevich; MASLOV, Yu.A., inzh., retsenzent; KRUTIKHOVSKIY,
V.G., inzh., red.; MARCHENKOV, I.A., tekhn.red.

[Welding of nonferrous metals] Svarka tsvetnykh metallov. Moskva,
Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1960. 51 p.
(Nauchno-populiarnaya biblioteka rabochego-svarshchika, no.19).
(MIRA 14:1)

(Nonferrous metals--Welding)

89430

S/125/60/000/006/009/009/XX
A161/A030

1.5400

AUTHORS: Solovskoy, V.M., Shron, R.Z.

TITLE: Copying Device for Automatic Welding of Overlap Joints by Inclined Electrode

PERIODICAL: Avtomaticheskaya svarka, 1960, No. 6, pp. 60-62

TEXT: The usual copying devices on standard welding automats like the TC-17m (TS-17m) are not suited for welding overlap joints with a top sheet of 10 mm thickness as the copying roller frequently loses contact with the vertical metal edge when it slightly deviates to the side. A new device developed at the welding laboratory of TsNIITMASH, which is actually a simple attachment to the welding "tractor" TC-17my (TS-17mu) (Fig. 1), ensures more accurate copying, and the copying roller cannot easily deviate from the copied edge. The new device is shown in Figure 2. Its mobile part consists of a block (1) with inserted free rotating axle bearing the copying roller (3); a guide (4), and a clamp (7) holding the nozzle (8). The guide (4) and

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A161/A030

Copying Device for Automatic Welding of Overlap Joints by Inclined Electrode X

the clamp (7) are so connected with a lever (11) that the position of the clamp and hence the incline angle of the nozzle can be regulated using the nut (6). The block (1) is connected to the guide (4) by a screw (2) with a handle. The distance between the electrode end and the copying roller in the plane at right angles to the welding line can be smoothly adjusted by turning the handle. This is necessary for initial setting for welding, as well as later for compensating the wear of the nozzle. The "tractor" need not to be stopped to displace the electrode. The copying roller is pressed permanently to the vertical joint edge by a spring (9). The spring pressure is adjusted by a nut (10). Current is supplied to the nozzle by flexible buses. The device has been tested and proved suitable for welding straight and curved overlaps as well as T-joints. There are 2 figures.

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89430

S/125/60/000/006/009/009/XX
A161/A030

Copying Device for Automatic Welding of Overlap Joints by Inclined Electrode

ASSOCIATION: Nauchno-issledovatel'skiy institut tekhnologii mashinostroye-
niya Chelyabinskogo sovnarkhoza (Scientific Research Institute
of Machinery Technology of the Chelyabinsk Sovnarkhoz)

SUBMITTED: February 8, 1960

Card 3/5

BAKSHI, O.A., kand.tekhn.nauk; SHRON, R.Z., inzh.

Strength during the static tension of **weld** joints with a soft padding. Svar.proizv. no.5:6-10 My '62. (MIRA 15:12)

1. NIPTIAMMASH Chelyabinskogo soveta narodnogo khozyaystva.
(Welding--Testing)

SHRON, R.Z., inzh.; BAKSHI, O.A., kand.tekhn.nauk

-Evaluating the strength of welded joints with a soft interlayer.
Svar. proizv. no.9:11-14 S '62. (MIRA 15:12)

1. NIPTIAMMASH Chelyabinskogo soveta narodnogo khozyaystva
(for Shron). 2. Chelyabinskiy politekhnicheskii institut
(for Bakshi).
(Welding—Testing) (Strains and stresses)

OKERBLOM, N.O.; BAKSHI, O.A.; SHRON, R.Z.

Effect of the mechanical dissimilarity of weldments on their
efficiency. Trudy LPI no.229:5-15 '63. (MIRA 17:9)

L 4576-66 EWT(d)/EWT(m)/EWP(w)/EWA(d)/EWP(v)/T/EWP(k)/EWP(t)/EWP(z)/EWP(b)/EWA(c)
ACC NR: AP5024601 MJW/JD/HM/HW/EM UR/0114/65/000/009/0037/0040
621.772.4:621.791.053

54
50
B

AUTHOR: Shron, R.Z. (Candidate of technical sciences); Malygina, A.A. (Engineer); Salamatina, A.I. (Engineer); Mikheyev, G.N. (Engineer)

44,55
44,55
44,55

TITLE: The operation of welded joints of austenite steam pipes (experiment at the Chelyabinsk TETs-1)

SOURCE: Energomashinostroyeniye, no. 9, 1965, 37-40

TOPIC TAGS: weld defect, weld evaluation, metal welding, austenite steel, pipe

ABSTRACT: The authors present the generalized results of an experiment concerning the operation of austenite (steel 1Kh18N12T) welded joints of the steam piping of the SVP complex of the Chelyabinsk TETs-1 over the 1959 - 1964 period. The SVP complex consists of two 68SP300/215 boilers and SVP-50-3 turbines. The vapor pressure ahead of the turbine is 210 at, temperature 555 - 560C. The number of welded joints is 342, approximately 70% of which were made on the spot during construction. The present article presents in the form of graphs and tables the accumulated number of working hours, changes in vulnerability (with time, and according to depth), comparative changes in vulnerability of austenite and nonaustenite joints, vulnerability of thick sections as compared with the vulnerability of the entire system, and the vulnerability of tube joints utilizing 10 different types of alloying. Results show that in spite of a certain increase in system's reliability the thermal processing of 1Kh18N12T steel joints does not secure a reliable operation because of the tendency of the

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L 4576-66

ACC NR: AP5024601

steel to local failures in the vicinity of joints. Tests at the TsNIITmash, TsKTI, and VTI indicate that the steel should be replaced by Kh16N9M2 which is by its composition close to the US steel AISI 316 which proved very successful in American thermal power plants with vapor temperatures up to 650C. Orig. art. has: 5 figures and 2 tables. 4

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: IE, MM

NO REF SOV: 006

OTHER: 000

Card 2/2 DP

SHRON, R.S., kand. tekhn. nauk; MALYGINA, A.A., inzh.; SALAMATINA, A.I., inzh.;
MIRNAYEV, G.N., inzh.

Performance of the welded joints of steampipes from austenitic steel;
experience in the No.1 thermal electric power plant of Chelyabinsk.
Energomashinostroenie 11 no.9:37-40 S '65. (MIRA 18:10)

L 22026-66 EWP(m)/EWP(w)/EWP(v)/T/EWP(t)/EWP(k) JD/HM
ACC NR: AP6007918 UR/0125/66/000/002/0020/0024

AUTHOR: Bakshi, O. A.; Shron, R. Z.

ORG: [Bakshi] Chelyabinsk Polytechnic Institute (Chelyabinskiy politekhnicheskiy institut); [Shron] Eastern Affiliate of the All-Union Heat Engineering Institute (Vostochnyy filial Vsesoyuznogo teploekhnicheskogo instituta)

TITLE: Brittle fractures of welded joints

SOURCE: Avtomaticheskaya svarka, no. 2, 1966, 20-24

TOPIC TAGS: material fracture, brittleness, yield strength, weld evaluation

ABSTRACT: The effect of weld sectors with lower yield strength on the character of fracture of welded joints is examined. Such sectors are present in many welds due to the nonuniformity of their mechanical properties and they are more plastic than the other weld interlayers and, since, as a rule, plastic metal subjected to uniform tensile stresses undergoes brittle fracture, these sectors may, if sufficiently thin, be a factor in the brittle fracture of welded joints. The greatest danger of brittle fracture along a sector of this kind arises when the operating conditions of the welded joint are such that it is exposed to tensile or bending stresses. The danger of brittle fracture along the more plastic weld sector increases with decrease in the relative thickness of the sector; this indicates a gradual ductile-to-brittle tran-

26
B

UDC: 621.791.05.004.74

Card 1/2

L 22026-66

ACC NR: AP6007918

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sition of the character of fracture of this sector. Thus, the most dangerous -- from the standpoint of brittle fracture -- is the case where the difference between the yield points of the metal of the more plastic sector and the other sectors of the weld is large and the stress-strain diagram of the metal of the plastic sector approximates the diagram of an ideally plastic metal. Plastic deformation (work hardening) is one way of relieving the stressed state and thus reducing this danger. In cases of intricately shaped welds, such as X-welds, the most dangerous -- from the standpoint of the formation of a brittle crack -- is the weld root. In such cases an increase in weld-root clearance may be recommended in order to reduce the danger of brittle fracture. Yet another major means of increasing the reliability of performance of welded joints with a relatively narrow softer sector is the build-up with a metal having a high ductility margin (e.g. austenitic metal); this applies only to the spots most susceptible to brittle cracking (e.g. weld root), with the other parts of the weld being built-up with less ductile metal. Orig. art. has: 5 figures.

SUB CODE: 11, 13/ SUBM DATE: 26Dec64/ ORIG REF: 013/ OTH REF: 001

Card

2/2

PB

SHIRON, V. Z.

15(O)

AUTHORS:

TITLE:

PERIODICAL:

ABSTRACT:

507/151-59-1-2/12

Karklit, A. E., Potackis, P. S.
Conference of Young Specialists (Konferentsiya molodykh
spetsialistov)

Ogneupr, 1959, Nr 1, PP 47-47 (USSR)

This conference of young specialists of the Vsesoyuznyy
Institut ogneupr (All Union Institute of Refractories)
was held in Leningrad on November 13-14, 1959, with
the participation of representatives of the youth workers
and the Uralskiy Institut ogneupr (Uralian Institute of
Refractories). The conference dealt with the work
of young engineers and technicians. N. P. Jorjiev,
head of the Institute, outlined in his opening speech the work
of young specialists of various special branches, designating
it as successful. Further, the following reports were mentioned:
V. G. Jeger spoke about manufacturing methods of waterable
panicles of boric siliceous rocks (borovitchkiy)
Krenovskaya reported on test results of the properties
of magnesium solutions on liquid glass.
I. V. Plakhsavkiy (ONIO) reported on the dynamic method of
determination of the modulus of elasticity at temperatures
up to 1200°C.
G. G. Minkovskiy spoke about the examination of the changes
of heat composition of worn-out refractory magnesite-chromite
products.
B. G. Bakhtin reported on elaboration results of spectroscopic
method for the alumina content in types of clay.
G. G. Shleusidzh stated the causes of bar fracture of the press
CH-143 by means of tensometric transducer for the automatic
control of mold charging on the press SM-123.
Y. M. Labelev reported on the working out of the design for
a new furnace castles on scale taping devices of a new system.
V. Z. Shron reported on the design of water supply and analysis
apparatus.
M. Z. Perel'man dealt with questions of air dust collection.
M. M. Perel'man, Ye. A. Greshova, and M. G. Greshova
spoke about the foundation of a tunnel still.
A. Z. Kabanov reported on the beginning of operation and
installation of a rotary furnace at the Sverdlovskiy
As a principal result it was stated that part of the young
specialists are still insufficiently familiar with the
production. The measures provided for by the Party and
Government to reform the universities and to strengthen their
relations to work in operation should improve the training of
specialists.

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ASSOCIATION: Vsesoyuznyy Institut ogneupr (All-Union Institute of Refractories)

Card 3/3

S/081/62/000/008/011/057
B166/B101

AUTHORS: Kamieński, B., Mikulski, J., Pawełek, J., Shroński, I.

TITLE: Use of plutonium for investigating electric potentials on free surfaces

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 8, 1962, 63, abstract 8B452 (Bull. Acad. polon. sci. Sér. sci. chim., v. 8, no. 11-12, 1960, 685-690)

TEXT: The radioactive method and the dynamic jet method are used to determine the surface potentials of solutions of 2-methyl-2-propyl-1,3-dicarbamate (I) ($5 \cdot 10^{-5}$ - 10^{-2} M) and pentamethylenetetrazole (II) (10^{-3} - $2 \cdot 10^{-2}$ M) on a background of 0.1 N KCl using a Cu disc coated with a layer of radioactive isotope Pu^{239} located at a distance r from the surface of the electrode equal to 2 mm. The given distance r was selected after studying the magnitudes of the potential of the system and their rate of establishment as functions of r in 0.1 N KCl. The surface potentials of I and II increase with their concentration, reaching a constant value

Card 1/2

УДЕНКОВ, У. Я.

Klub kolkhoznou brigady (Collective farm brigade club, by) U. U. Yudenkov u U. Ye.
Shropp. Moskva, Gos'ul'tprosvetizdat, 1954. 22 p.

N/5
722.101
.Y9

SHROYT, I. A.

"Morphological Changes in the Cerebrum During Secondary Tuberculosis."
Cand Med Sci, Kishinev State Medical Inst, Kishinev, 1953. (RZhBiol, No 2, Sep 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher
Educaional Institutions (10)

SO: Sum. No. 481, 5 May 55

USSR/Human and Animal Morphology (Normal and Pathological) The
Sexual Apparatus.

S-4

Abs Jour : Ref Zhur - Biol., No 12, 1958, No 55157

Author : Shroyt, I.A.

Inst : Kishinev Institute of Medicine.

Title : Experimental and Morphological Investigation of Inflammatory
Growth in the Vaginal and Uterine Epithelium at Their Junction
(To the Problem of the Histogenesis of Glandular Erosion).

Orig Pub : Tr. Kishinevsk. med. in-ta, 1956, 5, 141-147

Abstract : A drop of tar was induced into the region where the vaginal
epithelium passes into the uterine epithelium (which is the
region of the cervix of the uterus) in 23 rats. Three-45
days later the animals were killed and the cervix of the
uterine region was histologically examined. It was estab-
lished that the epithelium of the various sections of the
sexual ducts shows different reactions when an inflammation
is present. The prismatic epithelium of the uterine horns
and of the uterine body proliferates somewhat and forms small

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SHROYT, I.A.(Kishinev)

Pathohistological modifications of the central nervous system in
secondary pulmonary tuberculosis. Arkh. pat. 18 no.1:106-107 '56.

(MLRA 9:6)

1. Iz kafedry patologicheskoy anatomii (zav. prof. F.Ye. Agychenko
[deceased] Kishinevskogo meditsinskogo instituta.

(TUBERCULOSIS, PULMONARY, pathology,
CNS (Rus))

(CENTRAL NERVOUS SYSTEM, in various diseases,
tuberc., pulm. (Rus))

USSR / Human and Animal Pathology. Nervous System. S-2
Central Nervous System.

Abstr Jour: Ref Zhur-Biol., No 14, 1958, 64757.

Author : ~~Shroyt~~, I. G.

Inst : Institute of Epidemiology, Microbiology, and
Hygiene.

Title : Changes of the Nervous System in Experimental
Tuberculosis.

Orig Pub: Sb. tr. Mold. n.-i. in-t epidemiol., mikrobiol.
i gigiyeny, 1956, vyp. 2, 101-111.

Abstract: A survey is given of works, principally of native
writers, on the functional and morphological changes
of the nervous system in experimental tuberculosis,
and on the dependence of the course of the process
in organs on the latter's state of afferent and
efferent innervation, and on the central nervous
system. -- G. I. Vavilin.

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USSR/Human and Animal Morphology. Nervous System.

S

Abs Jour: Ref Zhur-Biol., No 15, 1958, 69590.

Author : ~~Shroyt, I.G.~~

Inst : Moldavian Scientific Research Institute of Epidemiology,
Microbiology, and Hygiene.

Title : Pathological Changes in the Nervous System in
Experimental Tuberculosis Produced Under Conditions
of Normal and Disturbed Higher Nervous Activity.

Orig Pub: Sb. tr. Mold. n.-i. in-t. epidemiol. i
gigiyeny, 1956, No 2, 113-124.

Abstract: Five separate phases in the dynamic of changes in
the CNS of guinea pigs following infection with
tubercle bacilli have been defined. The first
phase, which develops in the first 24 hours, is

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USSR/Human and Animal Morphology. Nervous System.

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Abs Jour: Ref Zhur-Diol., No 15, 1958, 69690.

is characterized by alterations in vascular permeability and reactive changes in the nerve cells of the cortex. In the second phase (second to tenth day) of the disease, the vascular reaction progressively develops; swelling, chromatolysis, and hydropic changes in the cells of the neocortex are at first intensified, then reduced, but continue to progress in the phylogenetically older parts of the brain. In the third phase (tenth to thirtieth day), there is increased shrivelling and hyperchromatosis of the cortical nerve cells and a simultaneous increase in the dystrophic changes of the intraorgan nerve cells. In the fourth phase (second to third month of disease), the changes in the internal organs progress, while

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SHROYT, I.G. Cand Med Sci -- (diss) "Patho-histological changes
in the nervous system in experimental tuberculosis produced under
the conditions of normal and disturbed higher nervous activity".
Mos, 1957. 16 pp 20 cm. (Acad Med Sci USSR). 100 copies (KL, 9-57, 103)

-42-

PUZIK, V.I., prof., red.; SHROYT, I.Gr., kand. med. nauk, otvetstvennyy za
vypusk; SHOYMER, A., red.; MANDEL'BAUM, M., tekhn. red.

[Pathomorphology of the nervous system in tuberculosis; collection of
articles of the Kishinev State Medical Institute] Patomorfologiya ner-
vnoi sistemy pri tuberkuleze; sbornik rabot. Pod rukovodstvom F.E.
Ageichenko. Red. V.I.Puzik. Kishinev, Gos. izd-vo Moldavii, 1958.
221 p. (MIRA 14:7)

1. Kishinev. Gosudarstvennyy meditsinskiy institut.
(TUBERCULOSIS) (NERVOUS SYSTEM—DISEASES)

SHROYT, I.G.

Rhinocytoscopic diagnosis of grippe. Zdravookhraneniye 2 no.6:
44-47 N-D '59. (MIRA 13:6)

1. Iz Moldavskogo instituta epidemiologii, mikrobiologii i
gigiyeny (direktor kand.med.nauk N.N. Yezhov).
(INFLUENZA--DIAGNOSIS)

SERGIYEV, P.G., prof.; RYAZANTSEVA, N.Ye.; SHIINOVA, Ye.V.; CHELYSHEVA, K.M.;
REVENOK, N.D.; KOZLOVSKAYA, L.A.; KOTSOFAE, V.A.; BORISOVA, L.S.;
GZKHTMAN, M.Ya.; SHROYT, I.G.; LAPTEVA, V.N.

Active immunization of children against measles with vaccine "C"
in an extensive epidemiological experiment. Zdravookhraneniye 2 no.1:
17-20 Ja-F '59. (MIRA 12:7)

1. Iz instituta virusologii im. D.I. Ivanovskogo AMN SSSR (direktor - P.N. Kosyakov), Moldavskogo instituta epidemiologii, mikrobiologii i gigiyeny (direktor - N.N. Yezhov) i Respublikanskoy sanitarno epidemiologicheskoy stantsii Moldavskoy SSR (glavnyy vrach - A.A. Koval'ev)
2. Deystvitel'nyy chlen AMN SSSR (for Sergiyev).

(MEASLES)

SHROYT, I.G.; D'YAKOVA, V.S.

Material on the influenza epidemic in Moldavia in 1959. Vop.
virus. 5 no. 6:752-753 N-D '60. (MIRA 14:4)
(MOLDAVIA--INFLUENZA)

RYAZANTSEVA, N.Ye.; REVENOK, N.D.; SHROYT, I.G.; SHLYAKHOV, E.N.

A study of the immunological relation between measles and canine distemper viruses. Report No.1: Infection of puppies with canine distemper virus following experimental measles. Vop.virus. 6
no.5:577-582 S-0 '60. (MIRA 14:7)

1. Laboratoriya kori Instituta virusologii AMN SSSR, Moskva, i Moldavskiy institut epidemiologii, mikrobiologii i gigiyeny.
(MEASLES) (DISTEMPER)

SHROYT, I.G.; SIDENKO, V.P.

Complement fixation reaction using rissue (animal) antigens
for the diagnosis of Botkin's disease. Trudy Kish.gos.med.
inst. 11865-70 '60. (MIRA 16:2)

1. Modlavskiy institut epidemiologii, mikrobiologii i gigiyeny.
(HEPATITIS, INFECTIOUS) (COMPLEMENT FIXATION)
(ANTIGENS AND ANTIBODIES--ANALYSIS)

SHROYT, I.G.; BALAKHNICHEVA, T., red.; KAPITSA, V., tekhn. red.

[Experimental measles; its pathomorphology and pathogenesis]
Eksperimental'naia kor'; patomorfologiiia i patogenez. Ki-
shinev, Gos. izd-vo "Kartia moldoveniaske," 1961. 134 p.
(MIRA 15:3)

(MEASLES)

SHLYAKOV, E.N.; SHROYT, I.G.; GUZ, Ye.V.; KAZARNOVSKAYA, M.L.

Primary intestinal form of anthrax. Zdravookhranenie 4 no. 1:58-59 Ja-F '61. (MIRA 14:2)

1. Iz Moldavskogo instituta epidemiologii, mikrobiologii i gigiyeny (direktor - N.N. Yezhov) i Kishinevskogo meditsinskogo instituta (direktor - N.A. Tëstemitsanu).

(ANTHRAX)

STAROSTENKO, N.T.; SHLYAKHOV, E.N.; DROBINSKIY, I.R.; BONDURYANSKIY, I.P.;
VIZITIU, A.F.; SHROYT, I.G.; ZHITAR', V.D.; KOROVINA, T.V.;
LEBENZON, N.N.

Botkin's epidemic hepatitis in Moldavia and measures for its control. Zdravookhranenie 5 no.3:33-38 My-Je '62. (MIRA 16:1)

1. Iz kafedry fakul'tetskoy terapii, infektsionnykh bolezney, mikrobiologii, gospital'noy terapii Kishinevskogo meditsinskogo instituta (rektor - dotsent N.A.Testemitsanu), Moldavskogo instituta epidemiologii, mikrobiologii i gigiyeny (direktor - dotsent N.N.Yezhov) i Kishinevskogo gorodskogo otdela zdravookhraneniya (zav. - P.P.Kozishkurt). Nauchnyy rukovoditel' zasluzhennyy deyatel' nauki prof. N.T.Starostenko.
(MOLDAVIA--HEPATITIS, INFECTIOUS)

SERGIYEV, P.G.; SHROYT, I.G.; RYAZANTSYEVA, N.Ye.

Experimental study of the pathogenesis of measles. *Pediatria* 41
[i.e. 42] no.2:28-35 F '63. (MIRA 16:4)

1. Iz laboratorii deystvitel'nogo chlena AMN SSSR prof. P.G.
Sergiyeva ± Moldavskogo instituta epidemiologii, mikrobiologii
gigieny (dir. N.N.Yezhov).

(MEASLES)

SHROYT, I.G.

Pathomorphology of the respiratory organs in measles. Zdravo-
okhranenie 6 no.5:58-60 S-0'63 (MIRA 16:12)

1. Iz Moldavskogo instituta epidemiologii, mikrobiologii i
gigiyeny (dir. - A.P.Diskalenko).

GUL'KO, A.G.; SHROYT, I.G.

Action of pentachloropropane following its peroral administration;
toxicological and pathomorphological data. Farm. i toks. 27 no.3:
356-358 My-Je '64. (MIRA 18:4)

1. Moldavskiy institut epidemiologii, mikrobiologii i gigiyeny,
Kishinev.

L 43897-65 EWA(b)-2/EWA(j)/EWT(1) Pa-4 JK

ACCESSION NR: AP5008019

S/0016/65/000/003/0106/0111

AUTHOR: Shlyakhov, E. N.; Shroyt, I. G.; Burdenko, T. A.

TITLE: The dynamics of immuno-allergic and morphological reactions in experimental anthrax vaccination

SOURCE: Zhurnal mikrobiologii, epidemiologii i immunobiologii, no. 3, 1965, 106-111

TOPIC TAGS: guinea pigs, anthrax, anthrax vaccine, immunization, vaccination, morphology, mitosis, epidemiology

ABSTRACT: The present study investigated the immuno-allergic and morphological changes in the organism of anthrax vaccinated animals to determine whether they reflect two sides of the same process. Two groups of experimental guinea pigs weighing 300-350 g were vaccinated subcutaneously in the groin with different doses of STT-1 anthrax vaccine (40 million spores and 1 million spore doses). Anthraxin tests were performed on animals from each group at regular periods from 2 to 115 days after vaccination. In addition to a morphological examination of spleen and lymph sections, mitotic activity of spleen

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L 43897-65

ACCESSION NR: AP5008019

cells was determined. Indices for the immuno-allergic and morphological changes were statistically processed and compared. In animals vaccinated with a large SIT-1 anthrax vaccine dose, mitotic activity started to increase immediately after vaccination and reached a maximum by the end of the first month. At the same time the number of cellular degenerative changes including pyroninophilia and plasmation also increased. Both processes were normalized by the end of the second month. In animals vaccinated with a small SIT-1 anthrax vaccine dose, mitotic activity and degenerative changes of cells did not differ significantly from those of control animals. A definite chronological relationship was established between the development of immuno-allergic and morphological changes in cells in response to antigen administration depending on dose. These reactions resulting from the successive involvement of different links of the adaptive mechanisms appear to reflect two sides of the same process in which the body interacts with external factors. Orig. art. has: 3 tables and 1 figure.

Card 2/3 Submitted 01 Aug 64

SHRUBKO, L. A.

Shrubko, L. A. -- "Determination of Sections with Less Resistant Coverings in the Working of Coal Deposits." Min Higher Education USSR, Moscow Mining Inst imeni I. V. Stalin, Moscow, 1955 (Dissertation for the Degree of Candidate of Technical Sciences)

SO: Knizhnaya Letopis', No. 24, Moscow, Jun 55, pp 91-104

SHRUBKO, S. A.

"A Theoretical Determination of Cave-in Angles Under Standard Mining Conditions." Cand Tech Sci, Moscow Mining Inst imeni I. V. Stalin, 25 Nov 54. (AI, 15 Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (11)

SO: Sum. No. 521, 2 Jun 55

GOROSHNIKOV, B.I.; SHRUBOVICH, F.V.

New find of corundum in the Ukraine. Zap. Vses. min. ob-va
92 no.3:359-363 '63.

1. Institut mineral'nykh resursov AN UkrSSR i Pravoberezhnaya
ekspeditsiya glavnogo upravleniya geologii i okhrany neдр pri
Sovete Ministrov UkrSSR.

SHIRUBOVICH, V. A.

Claim ✓ Steric hindrance in quaternary salts of 2-arylbenzothiazoles.

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soles and 2-arylbenzoseleazolones. A. I. Kiprianov and V. A. Shirubovich (State Univ., Kiev). *Zhur. Obshchei Khim.* 26, 2331-6(1956).—The absorption maxima of sulfates of 2-*p*-dimethylaminophenyl deriva. of benzothiazole, 6-methylbenzothiazole, α -naphthothiazole, and benzoseleazole in EtOH are displaced to longer wavelengths in comparison with quaternary salts of these substances. This unusual phenomenon indicates the destruction of coplanarity of benzoid and thiazole or selenazole rings in the quaternary salts owing to steric hindrance. Heating 7.2 g. *o*-H-Nc₂H₄SH and 3.3 g. *p*-Me₂Nc₂H₄CHO 3 hrs. at 100° gave 2-*p*-dimethylaminophenylbenzothiazole, m. 172°, λ 362 m μ ; methiodide, decomp. 220°, λ 420 m μ ; ethiodide, m. 176°, λ 423 m μ ; 6-Methyl-2-*p*-dimethylaminophenylbenzothiazole (cf. Hunter, C.A. 18, 934), m. 110°, λ 334 m μ ; ethiodide, m. 140°, λ 427 m μ . The crude chloride (9 g.) from 2-C₆H₄NH₂·HCl and S₂Cl₂ in AcOH (Zubarovskii, C.A. 42, 906b) refluxed with 4 g. KOH in EtOH, then treated with 3.6 g. *p*-Me₂Nc₂H₄CHO and refluxed 1.5 hrs. gave 0.83 g. yellow 2-*p*-dimethylaminophenyl- α -naphthothiazole, m. 174°, λ 370 m μ ; ethiodide, m. 165-6°, λ 430 m μ . Zn salt of *o*-H-Nc₂H₄SeH (4.4 g.) and 3.2 g. *p*-Me₂Nc₂H₄CHO in 2 ml. concd. HCl heated 1 hr. at 100° and 10 min. at 130°, then treated with NaOH, followed by HCl, and chromatographed on Al₂O₃ with elution by CHCl₃, gave 1 g. 2-*p*-dimethylamino-phenylbenzoseleazole, m. 178°, λ 364 m μ ; ethopercchlorate.

✓

KIPRIANOV, A.I.; SHRUBOVICH, V.A.

decomp. 170°, λ 430 μ . *2-p-Dimethylaminophenylbenzoxazole*, m. 182-3°, λ 295 μ , heated with *p-MeC₆H₄SO₂Et* gave [4-(2-benzoxazolyl)phenyl]dimethylethylammonium tosylate, m. 190-1°, λ 300 μ . *p-Me₂NC₆H₄CO₂H* failed to form the anhydride by the directions of Decombe (C.A. 46, 1608a), yielding only high melting substances; however pure K salt of the acid (5 g.) suspended in chilled *C₆H₆* and treated with cooling with 3.1 g. *(COCl)₂*, stirred 0.5 hr., and heated 0.5 hr. to reflux gave after sepn. of KCl and concn. 50% *p-dimethylaminobenzoyl chloride*, m. 147-8°, which heated with *o-EtNHC₆H₄OH* 10 min. to 180° gave after extra. with hot EtOH a residue of *p-dimethylaminophenylbenzoxazole*, while the soln. with NaClO₄ gave *2-p-dimethylaminophenylbenzoxazole ethoperchlorate*, m. 226-7°, λ 400 μ . *2-p-Dimethylaminostyrylbenzothiazole*, m. 208-8°, λ 400 μ ; ethiodide, decomp. 337°, λ 630 μ . Heating 1.11 g. *p-Me₂NC₆H₄CHO* and 0.22 ml. concd. HCl 8 hrs. to 100° and 3-5 hrs. to 130°, with 1.6 g. 2-methyl- α -naphthothiazole gave after treatment with NaOH 32% yellow *2-p-dimethylaminostyryl- α -naphthothiazole*, m. 220°, λ 370 μ ; ethiodide, λ 637 μ . Condensation of 2-methylbenzoselenazole with *p-Me₂NC₆H₄CHO* with HCl gave *2-p-dimethylaminostyrylbenzoselenazole*, m. 198°, λ 403 μ ; ethiodide, decomp. 237°, λ 637 μ . Condensation of 2-methylbenzoxazole with *p-Me₂NC₆H₄CHO* gave *2-p-dimethylaminostyrylbenzoxazole*, m. 174°, λ —, 394 μ ; ethiodide, m. 220°, λ 495 μ .

G. M. Kosolapoff

POCHINOK, V.Ya. [Pochynok, V.IA.]; PORTNYAGINA, V.A. [Portniagina, V.O.];
SHRUBOVICH, V.A.

Decomposition of aliphatic aromatic triazenes by various acids,
phenols and halohydrins. Visnyk Kyiv.un.no.2.Ser.fiz.ta khim.
no.1:95-104 '59. (MIRA 14:8)
(Triazene)

5 (3)

AUTHORS:

Kiprianov, A. I., Shrubovich, V. A.

SOV/79-29-4-55/77

TITLE:

Steric Hindrance in Quaternary Salts of 2-Arylbenzothiazoles, 2-Arylbenzimidazoles, and 2-Arylpyridines (O prostranstvennykh prepyatstviyakh v chetvertichnykh solyakh 2-arilbenzotiazolov, 2-arilbenzimidazolov i 2-arilpiridinov)

PERIODICAL:

Zhurnal obshchey khimii, 1959, Vol 29, Nr 4, pp 1290 - 1299 (USSR)

ABSTRACT:

The authors are now in a position to supplement the observations reported on in a previous article (Ref 1) by data concerning the light absorption of 2-p-dimethylaminophenylbenzimidazole salts. In the article under review the three salts (III), (IV), and (V) are compared in regard of their absorptions. The observations made with these salts were the same as in the case of the salts (I) and (II), where there occurred, in the transition from the simple to the quaternary salt, a shift of the absorption band not toward the long-wave, but toward the short-wave range of the spectrum (Ref 1). The approach of alkyls to the nitrogen atoms in the heterocycle causes a shift of the absorption band toward the short-wave range of the spectrum - to

Card 1/3

Steric Hindrance in
Quaternary Salts of 2-Arylbenzothiazoles, 2-Aryl-
benzimidazoles, and 2-Arylpyridines

SOV/79-29-4-55/77

a lesser degree in the case of salt (IV), but to a particularly high degree with salt (V). This fact suggests a disturbance of the co-planarity of the nuclei due to steric hindrance. This disturbance is known to cause, in the case of aromatic compounds, not only a shift of the absorption band toward the short-wave range of the spectrum, but also a reduction of the absorption intensity (Ref 2). A comparison of the intensities of simple and quaternary salts of 2-dimethylaminophenyl derivatives of nitrogen heterocycles is difficult, and for this reason the spectrum determinations were extended to the salts of the 2-aryl derivatives of nitrogen heterocycles without amino groups. In the case of a sufficient sulphuric acid excess the alcoholysis of such salts in alcohol solutions may be suppressed, and it is possible to determine not only the absorption maximum of the salt but also its molecular extinction. The absorption spectra in the alcoholic solution of some 2-arylbenzothiazoles, 2-arylbenzimidazoles, 2- and 4-phenylpyridines as well as 2-phenylbenzoxazole, their sulphates and quaternary salts were determined. A comparison

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Steric Hindrance in
Quaternary Salts of 2-Arylbenzothiazoles, 2-Aryl-
benzimidazoles, and 2-Arylpyridines

SOV/79-29-4-55/77

of the absorption curves of the sulphates and quaternary salts showed that in all cases (except 4-phenylpyridine) the absorption maxima of the quaternary salts shifted toward the short-wave range of the spectrum, and the intensities declined (Figs 1-7). There are 7 figures and 19 references, 3 of which are Soviet.

ASSOCIATION: Kiyevskiy gosudarstvennyy universitet (Kiyev State University)

SUBMITTED: February 28, 1958

Card 3/3

KIPRIANOV, A.I.; SHRUBOVICH, V.A.

Steric hindrance effects in molecules of 2-arylbenzothiazoles.
Zhur. ob. khim. 30 no.11:3746-3750 N'60. (MIRA 13:11)

1. Institut organicheskoy khimii Akademii nauk Ukrainskoy
SSR.

(Benzothiazole) (Steric hindrance)

KORNEV, K.A.; SHRUBOVICH, V.A.; MOZDOR, Ye.V.; CHERNYAVSKIY, G.V.

Condensation of α -chloroethylbutyl ether with naphthalene,
acenaphthene, and phenanthrene. Ukr. khim. zhur. 29 no.4:
432-435 '63. (MIRA 16:6)

1. Institut khimii polimerov i monomerov AN UkrSSR.
(Ethers) (Aromatic compounds)

KORNEV, K.A.; SHRUBOVICH, V.A.; CHERNYAVSKIY, G.V.

Copolymerization of some derivatives of dihydronaphthalene
and dihydroacenaphthene with maleic anhydride. Ukr. khim.
zhur. 29 no.8:840-842 '63. (MIRA 16:11)

1. Institut khimii polimerov i monomerov AN UkrSSR.

L 50211-65 EWT(m)/EPF(c)/EPR/EWP(j)/T Pc-4/Pr-4/Ps-4 RPL WW/GS/

RM

ACCESSION NR: AT5002656

S/0000/64/000/000/0024/0030

AUTHOR: Shrubovich, V. A.; Chernyavskiy, G. V.; Semko, Ye. P.; Kornev, K. A.TITLE: Polymerization and copolymerization of 1,2-dialin

SOURCE: AN UkrSSR. Institut khimii vysokomolekulyarnykh soyedineniy. Sintez i fiziko-khimiya polimerov; sbornik statey po rezul'tatam nauchno-issledovatel'skikh rabot (Synthesis and physical chemistry of polymers; collection of articles on the results of scientific research work). Kiev, Naukova dumka, 1964, 24-30.

TOPIC TAGS: dialin polymerization, dialin copolymerization, isoprene copolymer, styrene copolymer, methyl methacrylate, sodium naphthalene catalyst

ABSTRACT: The authors polymerized 1,2- and 1,4-dihydronaphthalenes in tetrahydrofuran at -80, 0 and +40C with varying amounts of sodium naphthalene catalyst and attempted to copolymerize these dialins with styrene (-80C, 48 hrs.), isoprene (-65C, 48 hrs.) and methylmethacrylate (standard conditions) in an attempt to obtain materials with improved heat resistance and solubility in standard solvents. It was found that anionic polymerization of 1,2-dialin is possible in the presence of sodium naphthalene, while the 1,4-isomer does not yield a polymer under these conditions. The former

Card 1/2

L 50211-65

ACCESSION NR: AT5002656

copolymerized with styrene and isoprene, but not with methylmethacrylate. A brief description is given of the experimental procedure, polymer composition and properties. Orig. art. has: 3 figures and 3 tables.

ASSOCIATION: Institut khimii vysokomolekulyarnykh sovedineniy AN UkrSSR (Institute of the Chemistry of High Polymers, AN UkrSSR)

SUBMITTED: 22Jun64

ENCL: 00

SUB CODE: OC

NO REF SOV: 002

OTHER: 011

me
Card 2/2

L 51865-65 EWT(m)/EWG(m) RNH/GS/RM

S/0000/64/000/000/0062/0066

ACCESSION NR: AT5002661

AUTHOR: Shrubovich, V. A.; Chernyavskiy, G. V.; Petrashenko, A. A. 14
13
Dr!

TITLE: Ion exchangers based on polymaleic anhydride

SOURCE: AN UkrSSr. Institut khimi vysokomolekulyarnykh soyedineniy. Sintez i fiziko-khimiya polimerov; sbornik statey po rezul'tatam nauchno-issledovatel'skikh rabot (Synthesis and physical chemistry of polymers; collection of articles on the results of scientific research work). Kiev, Naukova dumka, 1964, 62-66

TOPIC TAGS: crosslinked polymer, ion exchange resin, polymaleic anhydride, ethylene glycol crosslinking, hexamethylene diamine crosslinking

ABSTRACT: Crosslinked polymers were obtained by treating polymaleic anhydride with ethylene glycol (10-40 mol. %) or hexamethylene diamine (procedure given). The crosslinked polymers exhibited properties of carboxylic ion exchangers (static exchange capacity up to 12 meq/g dry cationite, dynamic capacity up to 6 in alkaline and 1 meq/g in neutral media). The resins showed high regeneration at room temperature, but were unstable in hot water and hydrolyzed readily.

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L 51865-65

ACCESSION NR: AT5002661

ly. Maleic anhydride was also copolymerized with N,N'-hexamethylenedimaleic amide (80 hrs, 70-80C, benzoyl peroxide). The crosslinked polymer powders obtained were mechanically unstable and swelled slightly in water. Orig. art. has: 1 table.

ASSOCIATION: Institut khimii vysokomolekulyarnykh soyedineniy AN UkrSSR
(Institute of the Chemistry of High Polymers, AN UkrSSR)

SUBMITTED: 22Jun64

ENCL: 00

SUB CODE: GC ,OC

NO REF SOV: 001

OTHER: 002

LL
Cord 2/2

L 16038-66 EWT(m)/EPF(n)-2/EWP(j)/T WW/GG/GS/RM

ACC NR: AT6006240

(A)

SOURCE CODE: UR/0000/65/000/000/0027/0029

AUTHOR: Kachan, A. A.; Shrubovich, V. A.

ORG: Institute of Chemistry of High Molecular Compounds, AN UkrSSR, Kiev (Institut khimii vysokomolekulyarnykh soyedineniy AN UkrSSR)

TITLE: Photochemical graft polymerization of methyl methacrylate on inorganic oxides

SOURCE: AN UkrSSR. Modifikatsiya svoystv polimerov i polimernykh materialov (Modification of the properties of polymers and polymeric materials). Kiev, Naukova dumka, 1965, 27-29

TOPIC TAGS: polymethylmethacrylate, photopolymerization, styrene, radiation polymerization

ABSTRACT: In order to determine whether a more grafted polymer can be obtained if the possibility of homogeneous initiation of the polymer chain is excluded, the photochemical graft polymerization of methyl methacrylate was studied on the surface of a series of inorganic oxides (ZnO, TiO₂, MgO, Al₂O₃, CuO, Cr₂O₃), ultraviolet light

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40
39
744/65
B+1

L 16038-66

ACC NR: AT6006240

being used ($\lambda = 320 \text{ m}\mu$). Experiments showed that the photosensitized polymerization of acrylonitrile, vinyl acetate, styrene, and methyl methacrylate produces graft polymers in addition to the homopolymer. No polymer was produced when methyl methacrylate was irradiated with UV light in the absence of oxides. Graft polymers of methyl methacrylate were obtained in amounts of 11, 12, 17, and 47 wt.% on Al_2O_3 , TiO_2 , Cr_2O_3 , and MgO respectively. It is concluded that in the absence of chain initiation in the volume, the yield of the graft polymerization of the liquid monomer on inorganic oxides is one order of magnitude greater than the yield observed in radiation initiation. It is postulated, therefore, that methyl methacrylate radicals formed in an adsorbed layer or in a homogeneous phase under the influence of ionizing radiation inhibit the process of graft polymerization. Orig. art. has: 1 table. 19

SUB CODE: 07/ SUBM DATE: 06Oct65/ ORIG REF: 001/ OTH REF: 001

Card 2/2 *gc*

L 20599-66 EWT(m)/EWP(j)/T/ETC(m)-6 WW/RM

ACC NR: AP6010833

SOURCE CODE: UR/0073/66/032/003/0260/0268

AUTHOR: Chernyavskiy, G. V.; Dvorko, G. F.; Shrubovich, V. A.; Grishin, O. M. 34
B

ORG: Institute of Organic Chemistry, AN UkrSSR (Institut organicheskoy khimii AN UkrSSR)

TITLE: Reactivity of cycloolefins in addition reactions. 1. Kinetics and mechanism of iodine addition to cyclohexene in dimethylformamide.

SOURCE: Ukrainskiy khimicheskij zhurnal, v. 32, 1966, 260-268

TOPIC TAGS: reaction mechanism, reaction kinetics, cyclohexene

ABSTRACT: Cycloolefins are promising monomers for the production of heat-resistant polymers. The relationship between their reactivity and their structure has not been studied sufficiently to date. The purpose of the present work was to study the reactivity of the double bond in cycloolefins toward heterolytic addition, in relation to the structure of the unsaturated compound. It was found that the addition of iodine to cyclohexene is an equilibrium process described by the kinetic equation:

$$v = k_3[C_6H_{10}][I_2]^2 - k_2[C_6H_{10} \cdot I_2][I_2].$$

The diiodide generated decomposes slowly into iodocyclohexene and HI. The equilibrium $I^- + I_2 = I_3^-$ in dimethylformamide is displaced almost entirely to the right.

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L 20599-66

ACC NR: AP6010833

The reaction rate depends only slightly on the temperature, and the temperature factor is equal to unity in some individual cases. Orig. art. has: 6 figures and 2 tables. [VS]

SUB CODE: 07/ SUBM DATE: 11Nov64/ ORIG REF: 010/ OTH REF: 013/ ATD PRESS: 4226

Card 2/2 BK

L 36876-66 EWT(m)/EWP(j)/T/ TJP(c) RM
ACC NR: AP6017653 (A) SOURCE CODE: UR/0073/66/032/001/0105/0106

AUTHOR: Kachan, A. A.; Shrubovich, V. A. 36
B

ORG: Institute of Chemistry of High Molecular Compounds AN UkrSSR (Institut khimii vysokomolekulyarnykh soyedineniy AN UkrSSR)

TITLE: Oxide photosensitized polymerization of methylmethacrylate

SOURCE: Ukrainskiy khimicheskiy zhurnal, v. 32, no. 1, 1966, 105-106

TOPIC TAGS: methylmethacrylate, polymerization, radical polymerization, free radical

ABSTRACT: Photosensitized polymerization of methylmethacrylate in the presence of ZnO, MgO, Cr₂O₃, Al₂O₃, and TiO₂ was studied. Samples containing 0.125 g oxide per milliliter of methylmethacrylate were placed in air-free ampoules made of molybdenum glass and subjected to 6 hour irradiation from PRK-4 mercury-quartz lamps at 20°C. The yields of homopolymer with the oxides (wt % based on oxide) were: MgO-100%, ZnO-80%, TiO₂-50%, Al₂O₃-30%, CuO-20%, and Cr₂O₃-85%. It is postulated that photosensitized polymerization of methylmethacrylate in the presence of metal oxides

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UDC: 541.147

L 36876-66

ACC NR: AP6017653

proceeds via a free radical mechanism. The authors claim that this mechanism would apply also in the cases of acrylonitrile, styrene, and vinylacetate polymerization. Orig. art. has: 1 table.

SUB CODE: ^{07/}08/ SUBM DATE: 02Sep64/ ORIG REF: 004/ OTH REF: 003

Card 2/2 *efh*

ACC NR: AP6034402

SOURCE CODE: UR/0021/66/000/010/1312/1314

AUTHOR: Kachan, O. O. --Kachan, A. A.; Chernyavs'kyy, H. V. --Chernyavskiy, G. V.; Shrubovych, V. O. --Shrubovich, V. A.

ORG: Institute for the Chemistry of Macromolecular Compounds, AN URSR
(Institut khimii visokomolekulyarnikh spoluk AN URSR)

TITLE: Photochemical crosslinking of polyethylene in the presence of some sensitizers

SOURCE: AN UkrSSR Dopovidi, no. 10, 1966, 1312-1314

TOPIC TAGS: crosslinking, polyethylene crosslinking, polymer chain, polyethylene, sensitizer

ABSTRACT: The integral coefficients of diffusion and the respective diffusion activation energies of chloroform, carbon tetrachloride, and tetrachlorethylene are determined at temperatures of 20, 40, and 60C. A calculation is made of the relations of the probabilities of destruction and crosslinking of polymer chains on irradiation of polyethylene films in the presence of chloroform, carbon tetrachloride, tetrachlorethylene, and benzophenone. The quantum yield of transverse

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ACC NR: AP6034402

bonds in polyethylene at $\lambda = 2537 \text{ \AA}$ in the presence of benzophenone is 0.07 and with tetrachlorethylene it is 1.17. The article was presented by A. I. Brodskiy, Member of the Academy of Sciences, Ukrainian SSR. Orig. art. has: 2 figures and 1 table. [Based on authors' abstract] [GC]

SUB CODE: 07, 20/ SUBM DATE: 09Nov65/ ORIG REF: 001/ OTH REF: 005/

Card 2/2

TSERKOVNAYA, L. N., SHRUDNEVA, I. F.

Children - Diseases

Prognostic significance of rheumatic nodules in children. *Pediatrics*, No. 4, 1952.

9. Monthly List of Russian Accessions, Library of Congress, December 1957, 2Uncl.

SHRUBNIKOV, M.M., zasluzhennyy deyatel' nauki i tekhniki, doktor tekhn.nauk,
prof.; BABICHEV, M.A., kand.tekhn.nauk; DEBKOVICH, Ye.S., kand.tekhn.
nauk; PRIZHANSKIY, L.Ye., kand.tekhn.nauk

Determining the wear resistance of hard coatings. Vest.mashinostr.
45 no.2134-39 F 165. (MLRA 18:4)

SHRUTEK, K.; ZHELEV, Iv., inzh. [translator]-

Use of sprinklers under the high-tension transmission lines.
Elektroenergiia 13 no.9:25-27 S '62.

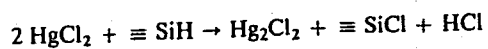
SHRYBMAN, M.G., starshiy prepodavatel'

Economic accountability and acceleration in putting constructions
into operation. Trudy MIIT no.129:141-151 '60. (MIRA 13:11)
(Railroads—Economics of construction)


S/075/62/017/003/004/004
1017/1027AUTHORS: Kreshkov, A. P., Bork, V. A. and Shryrkova, R. A.TITLE: Determination of \equiv SiH bonds containing organosilicon compounds by amperometric titration in ethanol-benzene solution

PERIODICAL: Zhurnal analyticheskoy khimii, v.17, no. 3, 1962, 359-361

TEXT: A critical review includes previous works by the author using non-aqueous solutions. The new method is based on the reaction



carried out by titration of the sample with mercuric chloride, and using LiCl dissolved in a mixture of methanol and benzene. Procedure: 0.07-0.112 g of the sample, a hydrogen-containing organosilicon compound are dissolved in benzol and diluted to 25 ml. 0.5-2 ml of this solution is made up to 25 ml with a benzene-methanol mixture (1:1), containing 0.3 mol/l LiCl. The solution is mixed with a glass stirrer and a quantity of metallic mercury is introduced together with a mercury electrode. The polarographic wave was measured at $E = -0.8\text{V}$. After this, a solution of HgCl_2 in a $\text{CH}_3\text{OH}/\text{C}_6\text{H}_6$ (1:1) mixture containing 3 g HgCl_2 in 100 ml is added from a microburet, and the height of the wave measured after the addition of each portion of HgCl_2 solution. The results are plotted on a graph of the volume of added HgCl_2 vs. the height of the wave. The diagrams show the



Card 1/2

BOGOYAVLENSKIY, G.P.; SHSHKIN, I.B.; GALITSKIY, V.A.; BELEN'KIY, A.B., kand.ist. nauk, nauchn. red.; GRIN, M.F., kand. ekon. nauk, nauchn. red.; ZABELIN, I.M., kand. geogr. nauk, nauchn. red.; LAPPO, G.M., kand. geogr. nauk, nauchn. red.; SAMSONENKO, L.V., red.; FRADKIN, N.G., kand. geogr. nauk, nauchn. red.; KIR'YANOVA, Z.V., mlad. red.

[The land and the people; Geographical calendar for 1965]
Zemlia i liudi; Geograficheskii kalendar' 1965. Moskva, Mysl', 1964. 303 p. (MIRA 18:1)

SHSHLYANNIKOVA, M.A., kandidat meditsinskikh nauk (Moskva)

Role of the nurse in the control of whooping cough. Med. sestra 15
no.10:14-18 0 '56. (MLRA 9:12)
(WHOOPING COUGH)

SHSYDVASSER, A.M., inzh.

Determining the static indefiniteness of the simplest types of
deck spans. Sudostroenie 24 no.5:15-18 My '58. (MIRA 11:6)
(Naval architecture)

SHTAB, N.N., fel'dsher

The way I go about improving my professional qualifications and
my ideological and political knowledge. Fel'd i akush. no.9:41-42
S '55. (MLRA 8:11)

(MEDICINE--STUDY AND TEACHING)

SHTAB, N.N., fel'dsher (stanitsa Otrada-Kubanskaya Krasnodarskogo kraya)

Our work. Fel'd. i akush. 25 no.5:46-48 My '60.

(MIRA 13:7)

(OTRADO-KUBANSKOYE (KRASNODAR KRAY)--PUBLIC HEALTH, RURAL)

SHTAB, N.N., fel'dsher (Krasnodarskiy kray)

Should outpatient cards be introduced universally? Fel'd.
i akush. 28 no.4:33 Ap'63. (MIRA 16:8)
(MEDICAL RECORDS)

SHTABE, S.; BELOUS, I., starshiy kontroler-revizor

Results of bad planning and uneconomic operation. Fin. SSSR.
19 no.10:33-35 0 '58. (MIRA 11:11)

1. Nachal'nik otdela Kontrol'no-revizionnogo upravleniya Ministerstva
finansov USSR (for Shtabe).
(Dnieper River--Shipping)

SHTABINSKAYA, A.D.

Seminars for specialists at the All-Union Agricultural Exhibition.
Zhivotnovodstvo 20 no. 7:91-92 J1 '58. (MIRA 11:8)

1. Starshiy ekskursoved pavil'ona mekhanizatsii zhivotnovodstva
Vsesoyuznoy sel'skokhozyaystvennoy vystavki.
(Stock and stockbreeding)

SHTABINSKIY, A.B., inzhener.

Device for cleaning drill pipes. Bezop.truda v prom. 1 no.3:29

Mr '57.

(MIRA 10:4)

(Oil wells--Equipment and supplies)

SHTABINSKIY, A.B., inzh.

Rope catches used in screwing pipes. Bezop.truda v prom. 2 no.5:32-33
My '58. (MIRA 11:4)

(Oil wells--Equipment and supplies)

KUPIYANOV, R.B., inzh.; SHTABINSKIY, A.B., inzh.

Leading petroleum workers in Azerbaijan. Bezop.truda v prom. 3
no.8:32 Ag '59. (MIRA 12:11)

(Azerbaijan--Petroleum workers)

SHTABNITSKIY, S.S.; BELYAYEV, B.I., redaktor

[Booklet on safety measures for riveters, cutters, and stampers working with pneumatic tools as well as for those heating rivets]
Pamiatka po tekhnike bezopasnosti dlia klepal'shchikov, rubshchikov i chekanshchikov pri rabote pnevmaticheskim instrumentom, a takzhe dlia nagreval'shchikov zaklepok. 2. izd. Moskva, Gos. izd-vo lit-ry po stroitel'stvu i arkhitekture, 1954. 21 p. (MLRA 7:8)

1. Russia (1923- U.S.S.R.) Ministerstvo stroitel'stva. Otdel tekhniki bezopasnosti i promyshlennoy sanitarii.

(Pneumatic tools--Safety measures)

(Rivets--Safety measures)

SHTABNITSKIY, S.S.; RYABOV, A.F., redaktor; KRASIL'SHCHIK, S.I., redaktor; TOKER, A.M., tekhnicheskiy redaktor.

[Booklet on safety measures for workers engaged in loading and unloading operations and in the assembling of steel structures]
Pamiatka po tekhnike bezopasnosti dlia rabochikh, zaniatykh pogruzochno-razgruzochnymi rabotami, i raznorabochikh pri montazhe stal'nykh konstruktsei. Moskva, Gos. izd-vo lit-ry po stroitel'stvu i arkhitekture, 1954. 31 p. (MIRA 7:9)

1. Russia (1923- U.S.S.R.) Ministerstvo stroitel'stva. Otdel tekhniki bezopasnosti i promyshlennoy sanitarii.
(Loading and unloading--Safety measures)

SHTABNITSKIY, Semen Solomonovich; RESHETOV, I.I., redaktor; TARAYEVA, Ye.K.,
redaktor izdatel'stva; GUSEVA, S.S., tekhnicheskiy redaktor

[Safety engineering in the assembling of steel and precast reinforced
concrete structures] Tekhnika bezopasnosti pri montazhe stal'nykh i
sbornykh zhelezobetonnykh konstruksii. Moskva, Gos. izd-vo lit-ry
po stroit. i arkhitekture, 1956. 72 p. (MLBA 10:1)
(Reinforced concrete construction--Safety measures)
(Building, Iron and steel--Safety measures)

1. УПАВЛОВ, Н. П.
2. УСС (600)
4. Дайринг
7. My experience in milking cows, Post. Sel'khoz No. 3, 1953.

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

SHTABOVA, A. I.

"Main Types of Synoptic Processes of the Far East and Their Occurrences," included in a collection of works edited by S. P. Khromov, "Synoptic Processes of the Far East," Hydrometeorological Publishers, Moscow, 1940

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"Synoptic Process (Axes) of the Cold Semester in the Far East," p. 198 above

"Synoptic Conditions of Arctic Air Mass Intrusion in the Far East," p. 227 above

"Synoptic Characteristics from February to April Along the Aleksandrovsk - Petropavlovsk Line," p. 283 above

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SHTABOVA, A.I.

Ultrapolar datum processes in the space of Eastern Siberia and the
Far East. Trudy TSIP no.56:128-152 '57. (MIRA 10:8)
(Siberia, Eastern--Meteorology) (Far East--Meteorology)

SOV/124-58-11-12805

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 11, p 129 (USSR)

AUTHOR: Shtabova, A. I.

TITLE: On the Setting up of a Three-day Weather Forecast (K voprosu o sposobe sostavleniya prognoza pogody na tri dnya)

PERIODICAL: Tr. Tsentr. in-ta prognozov, 1957, Nr 63, pp 87-96

ABSTRACT: Aiming at a refinement of the current state of the methodology of the compilation of three-day weather forecasts, the author conceived the concept of the "elementary synoptic process" (ESP) for the purpose of his investigation and made an attempt to establish empirical relationships that govern the transition from one ESP to another. As a result of his work the author succeeded in establishing 14 rules. He employed them for the assessment of the character of the next ESP following by means of the compilation of prognostic 500-mb constant-pressure charts and surface pressure-distribution charts and obtained thereby the following results: 1. When the prediction for the next three days was made on the first day of an ESP cycle, the 500-mb pattern was verified in 52 cases and the surface pressure distribution in

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51 cases out of a total of 58 cases. 2. When the prediction for the next three days was made on the second and third day of an ESP cycle already under way, the 500-mb pattern was verified in 70 cases and the surface pressure distribution in 67 cases out of a total of 79 cases. The prognostic rules adduced in the paper were established previously (Duletova, Pagava) with application to the prediction of the natural synoptic period. However, their application to the determination of the character of the subsequent ESP, judging from the investigation performed, yielded somewhat better results.

A. A. Rozhdestvenskiy

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SHTABOVA, A.I.

Study of synoptic climatological characteristics of the month of March and the possibility of forecasting anomalies of its mean monthly air temperature. Trudy TSIP no. 92:13-30 '60.

(MIRA 14:2)

(Atmospheric temperature) (Weather forecasting)

SHTABOVA, A.I.

Analysis of the degree of accuracy of the assumed rhythmical activity of atmosphere in forecasting cold and heat waves in March. TRUDY TSIP no.115:25-32 '62. (MIRA 16:6)

(Weather forecasting)

SHTABOVA, A.I.; BLINNIKOVA, Z.G.

Weather forecasting for the U.S.S.R. in August 1964.

Meteor. i gidrol. no.7:65-68 '64

(MIRA 17:8)

1. Tsentral'nyy institut prognozov.

SHTABOVA, A.I.; KHESINA, B.G., mladshiy nauchnyy sotrudnik

Weather forecast for the U.S.S.R. in March 1965. Meteor. i gidrol.
no.3:61-64 Mr '65. (MIRA 18:2)

1. Tsentral'nyy institut prognozov. 2. Glavnyy inzh.-sinoptik
Tsentral'nogo instituta prognozov (for Shtabova).

SHTABOVA, A.I.; BORISOVA, Ye.I., kand. geograf. nauk

Weather forecast for the U.S.S.R. in June 1965. Meteor. i gidrol.
no.6:60-63 Je '65. (MIRA 18:5)

1. Tsentral'nyy institut prognozov. 2. Glavnyy inzh.-sinoptik
TSentral'nogo instituta prognozov (for Shtabova).

SHTEINBERG, B. .

Study of the action of carbon monoxide on mouse cells by vital staining. TSitologiya. 6 no.3:319-324 My-Je '64. (MIRA 18:9)

1. Kafedra obshchey gigiyeny i kafedra gistologii i embriologii L'vovskogo meditsinskogo instituta.

2/11/57
SHTABSKIY, B.M.; KISELEVICH, G.A., dots.

Students' work load and a gygienic evaluation of class schedules
for the 5th - 10th grades of the secondary school in Lvov. Vrach.
delo supplement '57:104 (MIRA 11:3)

1. Kafedra obshchey gigiyeny (zav.-prof. V.Z.Martynyuk) L'vovskogo
meditsinskogo instituta.
(CHILDREN--CARE AND HYGIENE)

DUBOVYY, M.I., kand.med.nauk; LITVIN, I.I., dotsent; SHTABSKIY, B.M.,
assistent; SHCHERBAKOVA, A.K., kand.med.nauk

Chemical dermatitis in coal miners. Vest.derm. i ven. 34
no.2:43-46 F '60. (MIRA 13:12)

1. Iz kafedry koshnykh i venericheskikh bolezney (sav. - prof.
A.A.Shteyn) i kafedry obshchey gigiyeny (sav. - prof.V.Z.
Martynyuk) L'vovskogo gosudarstvennogo meditsinskogo instituta
(direktor - prof.L.N.Kusmenko).

(OCCUPATIONAL DERMATITIS)
(MINING)

SHTABSKIY, B.M.

Sorption capacity of different organs in chronic poisoning
by carbon monoxide. Vrach. delo no.11: 100-104 N°63
(MIRA 16:12)

1. Kafedra obshchey gigiyeny (zav. - prof. V.Z.Martynyuk) i
kafedra gistologii i embriologii (zav. - prof. A.P.Dyban)
L'vovskogo meditsinskogo instituta.

OSTROUMOV, Yu.A.; SHTABTSOV, V.I.

Results of the diagnosis of comatose states with the aid of the
electronic digital computer "Ural-2". Eksper. khir. i anest. 9
no.4:28-31 JI-Ag '64. (MIRA 18:3)

SHTAF, A. K.

PA 62T42

USSR/Engineering
Vibrators, Concrete
Tools, Electric

Jan 1948

"An Electric Vibrator With a Flexible Shaft for
Settling Concrete," A. K. Shtaf, Engr, 1 p

"Mekh" No 1

Describes subject piece of equipment produced by the
Ministry of Construction and Highway-Machinery De-
signing and Production.

62T42

SOV/124-58-11-13184

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 11, p 188 (USSR)

AUTHOR: ~~Shtafinskaya, A. Ye.~~, Lur'ye, F. M.

TITLE: Investigation of the Stress Distribution in the Base of a Horizontal Working (Issledovaniye raspredeleniya napryazheniy v pochve gorizonta'noy vyrabotki)

PERIODICAL: Sb. nauchn. rabot stud. Leningr. gorn. in-ta, 1957, Nr 2, pp 103-111

ABSTRACT: An enumeration of the factors which contribute to the heaving of the soil in workings. The essence of the optical method of stress investigation is briefly presented. A description follows of the results of an investigation of stresses in a gelatin model which represents the base of a horizontal working between pillars (the pillars are represented by rubber slugs). The ratio of the moduli of elasticity of the rubber and the gelatin is equivalent to the ratio of the moduli of elasticity of coal (20,000 kg/cm²) and clay (100 kg/cm²). The observational results are utilized in a complete calculation of the stresses, whereupon distribution curves are drawn. The heaving deformation is composed of a load-removal deformation,

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