

SHEVELEV, F. A.

"Review of Prof. N. N. Geniyev's 'Tables for Hydraulic Design of Conduits'," *Gidrotikh. Stroi*, No. 8, 1949. Cand Tech Sci.

SHEVELEV, F.A.

"Ukazaniya k Gidravlicheskomu Raschetu Metallicheskih
Vodoprovodnykh Trub Bol'shikh Diametrov"

M. Izd. VNII Vodgeo 1950 16 pp.

SHEVELEV, F. A.

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SHEVELEV, F.A.

P.V. Lobachev, Sovremennyye Vodometry Dlya Vodoprovodov (Present-Day water meters and pipes;) Proyektirovaniye, Ustanovka i Eksploatatsiya, by, P. V. Lobachev i F. A. Shevelev. Moskva, Gosstroyizdat, 1952. 231, i, P. Illus., Diagr., Tables. "Literatura": p.232.

TOL'TSMAN, V.F., mladshiy nauchnyy sotrudnik; SHEVELEV, F.A., starshiy nauchnyy sotrudnik.

Hydraulic resistance of rubber hoses. (In: Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut vodosnabzheniya, kanalisatsii, gidrotekhnicheskikh sooruzheniy i inzhenernoy gidrologii. Issledovaniia po gidravlike truboprovodov. 1952, p.5-20.) (MLBA 7:1)

(Hose)

SHEVELEV, F.A.; MOSHNIN, L.F., professor, doktor tekhnicheskikh nauk, redak-
tor.

[Hydraulic calculation tables for steel and cast-iron water pipes]
Tablitsy dlia gidravlicheskogo rascheta stal'nykh i chugunnykh vode-
provodnykh trub. Moskva, Gos. izd-vo lit-ry po stroitel'stvu i
arkhitekture, 1953. 87 p. (MLRA 7:7)

(Water supply engineering--Tables, calculations, etc.)
(Water pipes)

SHEVELEV, F.A.

SHEVELEV, F.A.; MOSHNIN, L.F., professor, doktor tekhnicheskikh nauk,
nauchnyy redaktor; PERSON, M.N., tekhnicheskiiy redaktor; SMIR-
NOVA, A.P., redaktor.

[Investigation of the basic hydraulic laws of turbulent motion in
pipes] Issledovanie osnovnykh gidravlicheskh zakonozmernostei
turbulentnogo dvizheniia v trubakh. Moskva, Gos. izd-vo lit-ry
po stroitel'stvu i arkhitekture, 1953. 207 p. (MLRA 7:8)
(Hydraulics)

SHEVELEV, F., kandidat tekhnicheskikh nauk; TOL'TSMAN, V., kandidat tekhnicheskikh nauk.

Water gauges for sewage pumping stations. Zhil.-kom.khoz. vol.3 no.9:19-20
S '53. (MIRA 6:9)

(Sewerage) (Water meters)

SHEVELEV, F. A.

Hydrodynamics

Dissertation: "Investigation of Basic Hydraulic Regularities of Turbulent Motion in Pipelines." Dr Tech Sci, All-Union Sci Res Inst of Water Supply, Sewerage, Hydraulic Engineering Structures, and Engineering Hydrogeology (VODGEO), 27 Mar 54. (Vechernyaya Moskva Moscow,, 17 Mar 54)

SO: SUM 213, 20 Sep 1954

SHEVELEV, F.A.; MOSHNIN, L.F., professor, doktor tekhnicheskikh nauk, redaktor; PROSTOSEKDOV, A.P., redaktor; PERSON, M.N., tekhnicheskii redaktor.

[Hydraulic calculation for asbestos cement pipes] Gidravlicheski
raschet asbestotsementnykh trub. Moskva, Gos.izd-vo lit-ry po
stroit. i arkhiterture, 1954. 67 p. (MIRA 8:5)
(Pipe, Concrete)

SHEVELEV, FIRS ALEKSANDROVICH

LOBACHEV, Petr Vladimirovich; SHEVELEV, Firs Aleksandrovich; MOSEVIN, L.F.,
doktor tekhnicheskikh nauk, professor, retsentsent; SMIRNOVA, A.P.,
redaktor izdatel'stva; GUSEVA, S.S., tekhnicheskij redaktor

[Water meters for water supply and sewer systems] Vodometry dlia
vodoprovodov i kanalizatsii. Moskva, Gos.izd-vo lit-ry po stroit.
i arkhitekt., 1957. 290 p. (MIRA 10:8)
(Water meters)

SHEVELEV, F.A.; KAGAN, D.G.; LOBACHEV, P.V.

Use of vinyl plastic rising pipes in water-supply systems. Vod.
i san.tekh. no.1:11-16 Ja '59. (MIRA 12:1)
(Water pipes) (Vinyl polymers)

SHEVELEV, F.A.; GORIN, G.S.

Meetings of the Administrative Council and the Scientific Technical Committee of the International Association for Water-Supply Engineering. Vod. i san.tekh. no.1:40-41 Ja '59.
(MIRA 12:1)

1. Chlen Administrativnogo soveta Mezhdunarodnoy assotsiatsii po vodosnabzheniyu (for Shevelev). 2. Chlen Nauchno-tekhnicheskogo komiteta Mezhdunarodnoy assotsiatsii po vodosnabzheniyu (for Gorin).

(Berlin--Water-supply engineering--Congresses)
(London--Water-supply engineering--Congresses)

SHEVELEV, F.A.; KAGAN, D.F.; KNEL'TS, K.F.

Project of new technical specifications and assortments of
polyvinylchloride pipes for delivery conduits. Vod. 1 san.
tekh. no.2:30-34 F '59. (MIRA 12:2)
(Vinyl polymers) (Pipe--Standards)

SHEVELEV, F.A.; KAGAN, D.F., kand.tekhn.nauk

Prospects for using polymers in sanitary engineering. Izv.
ASIA no.3:35-47 '59. (MIRA 13:6)

1. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury
SSSR.

(Pipe, Plastic)

SHEVELEV, F.A., doktor tekhn.nauk; GORIN, G.S., inzh.; MINTS, D.M., prof.,
doktor tekhn.nauk; SUKHIASHVILI, N.K., kand.tekhn.nauk; MIKHAYLOV,
N.M., inzh.; NINEMYAGI, D.K., red.izd-va; TEMKINA, Ye.L., tekhn.
red.

[Fourth International Water Supply Congress] IV Mezhdunarodnyi
kongress po vodosnabzheniu. Pod red. F.A.Sheveleva. Moskva,
Gos.izd-vo lit-ry po stroit., arkhitekt. i stroit.materialam, 1960.
111 p. (MIRA 13:9)

1. International Water Supply Congress. 4th, Brussels, 1958.
2. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR
(for Shevelev).
(Water-supply engineering--Congresses)

SHEVELEV, F.A.

Session of the Administrative Council of the International Association of Water Supply in Moscow. Vod. i san. tekhn. no.11:38 N '60.
(MIRA 13:11)

1. Chlen Administrativnogo soveta Mezhdunarodnoy assotsiatsii po vodosnabzheniyu.
(Water-supply engineering--Congresses)

S/081/61/000/019/071/085
B117/B110

AUTHORS: Shevelev, F. A., Kogan, D. F., Vanyakin, D. M.

TITLE: Application of tubes made of high-density polyethylene

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 19, 1961, 479, abstract
19P28 (Vodosnabzh. i san. tekhn., no. 3, 1961, 13-17)

TEXT: Production methods of polyethylene tubes, their properties and fields of application are described. Methods for connecting polyethylene tubes are given and an assortment of pressure tubes made of high-density polyethylene is listed. [Abstracter's note: Complete translation.]

Card 1/1

SHEVELEV, F.A.; KAGAN, D.F.; YEKHLAKOV, S.V.

Use of plastic pipes in rural construction. Vod. i san. tekh.
no.6:18-24 Je '61. (MIRA 14:6)

(Water supply, Rural)
(Pipe, Plastic)
(Milk--Transportation)

SHEVELEV, F.A.; VANYAKIN, D.M.; LOBACHEV, P.V.; YEKHLAKOV, S.V.

Designing, assembling, using, and repairing interior water pipes
made of vinyl plastic. Sbor.trud.NIIST no.8:5-25 '61. (MIRA 15:5)

(Pipe, Plastic)

SHEVELEV, F.A.; KAGAN, D.F.; YEKHLAKOV, S.V.; MIRONOV, A.A.

Analysis of procedures and types of joints of polythene tubes.
Sbor.trud.NIIST no.8:26-63 '61. (MIRA 15:5)
(Pipe, Plastic)

ADAMOVICH, P.V.; BATURIN, V.V.; VAKHVAKHOV, G.G.; VAYNGAUZ, L.G.;
VILENSKIY, Ye.Ya.; GAMBURG, P.Yu.; DAVYDOV, Yu.S.; KARPIS,
Ye.Ye.; KUZNETSOVA, Z.I.; KOP'YEV, S.F.; LIVCHAK, I.F.;
LOBACHEV, P.V.; LEV, G.M.; NOTKIN, Ye.M.; PIRUMOV, A. I.;
POLIKARPOV, V.F.; PROTOPOPOV, A.P.; REPIN, N.N.; SLADKOV,
S.P.; TALYEV, V.N.; TROITSKAYA, F.B.; FEDOROV, M.N.;
SHEVELEV, E.A.; SHKABEL'NIKOVA, L.P.; SHCHUTSKIY, A.I.;
SMIRNOV, L.I., inzh., nauchnyy red.; SMIRNOVA, A.P., red.
izd-va; MOCHALINA, Z.S., tekhn. red.; RODINOVA, V.R., tekhn.
red.

[Present level and prospects for the development of sanitary
engineering and the production of sanitary engineering equip-
ment] Sovremennyyi uroven' i perspektivy razvitiia sanitarnoi
tekhniki i proizvodstva sanitarno-tekhnicheskogo oborudova-
niia. Moskva, Gosstroizdat, 1962. 283 p. (MIRA 15:8)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut
sanitarnoy tekhniki.

(SANITARY ENGINEERING)

SHEVELEV, F.A., doktor tekhn. nauk; MOSHNIN, L.F., prof., doktor
tekhn. nauk, nauchnyy red.; VINOGRADOVA, G.M., red.;
MOCHALINA, Z.S., tekhn. red.

[Tables for hydraulic calculations for steel, cast-iron and
asbestos-cement water pipes]Tablitsy dlia gidravlicheskogo ras-
cheta stal'nykh, chugunnykh i asbestotsementnykh vodoprovod-
nykh trub. Izd.3. Moskva, Gosstroizdat, 1962. 140 p.
(MIRA 15:12)

1. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury
SSSR (for Shevelev).

(Water pipes)

LOBACHEV, Petr Vladimirovich; SHEVELEV, Firs Aleksandrovich;
TOL'TSMAN, V.F., nauchn. red.; OSENKO, L.M., red.

[Water meters for water supply lines and sewer systems]
Vodomery dlia vodoprovodov i kanalizatsii. 3. izd., isp.
i dop. Moskva, Stroizdat, 1964. 329 p. (MIRA 17:6)

SPERANOV, Nikolay Nikolayevich; SHEVELEV, F.N., redaktor; BALLOD, A.I.,
tekhnicheskii redaktor.

[Organization and management of the use of petroleum products by
the tractor brigade] Organizatsiia i ekspluatatsiia neftekhozia-
stva traktornoii brigady. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1956.
191 p. (MIRA 9:6)
(Petroleum products) (Tractors)

SHEVELEV, F.Ya.

Remarks on the "Brief review of the scholarly works of Professor
N.V.Bugaev." Ist.-mat. issl. no.12:551-558 '59. (MIRA 13:11)
(Mathematics) (Bugaev, N.V.)

SHEVELEV, F.Ya. (Novozybkov)

Methods for checking the solutions of systems of equations of the
first degree. Mat. v shkole no.5:53-56 S-0 '60. (MIRA 13:10)
(Equations)

SHEVELEV, F.Ya.

From the history of the Moscow Mathematical Society. Vest. Mosk.
un. Ser. 1: Mat., mekh 18 no.6:71-78 N-D'63. (MIRA 17:2)

SHEVELEV, G.

27-9-15/30

AUTHOR: Shevelev, G., Teacher of Agricultural Mechanization School Nr. ~~8 (Kherson)~~

TITLE: Conserve Technical Equipment (Sokhranyat' Tekhniku)

PERIODICAL: Professional'no-Tekhnicheskoye Obrazovaniye, 1957, Nr. 9(148) page 22 (USSR)

ABSTRACT: The author complains about the bad condition and extremely poor maintenance of one part of mechanic equipment used for training purposes. The motor pool is being looked after by a mechanic but the other machinery is in a deplorable state and the school has not been able to cope with the situation over the course of $3\frac{1}{2}$ years.

ASSOCIATION: Agricultural Mechanization School Nr. 8 (Kherson) (Uchilishche mekhanizatsii sel'skogo khozyaystva Nr. 8 (Kherson))

AVAILABLE: Library of Congress

Card 1/1

DAVYDOV, I.V.; SHEVELEV, G.G.

Device for the control of a wavemaker forming irregular waves in
an experiment tank. Sudorem. i sudostr. no.2:200-204 '63.
(MIRA 17:4)

1. Odesskiy institut inzhenerov morskogo flota.

SHEVRELIV, G.I.

How we apply the experience of Stavropol schools to the conditions of Siberia. Politekh. obuch. no.7:30-33 J1 '58. (MIRA 11:8)

1. Smartlinskaya srednyaya shkola Uporovskogo rayona Tyumenskoy oblasti.
(Tyumen Province--Agriculture--Study and teaching)

SHEVELEV, G. I.

Corn under Siberian conditions. Politakh.obuch. no.6:
31-3? Je '59. (MIRA 12:12)

1. Yemurtlinskaya srednyaya shkola Uporovskogo rayona Tyumen-
skoy oblasti.
(Tyumen Province--Corn(Maize))

SMAGA, M.F.; SHEVELEV, G.M. (L'vov)

Case of extrarenal uremia in a patient with epilepsy. Klin.
med. 41 no.6:143-145 Je '63. (MIRA 17:1)

1. Iz L'vovskoy oblastnoy psikhonevrologicheskoy bol'nitsy
(glavnyy vrach A.I. Kovalyukh, nauchnyy konsul'tant raboty -
dotsent Yu.I. Detsik).

BYRNE, Georgiy Mikhailevich, prof.; NETVELOV, G.M., red.

[Anatomical analysis of the movements of the human body]
Anatomicheskii analiz dvizhenii chelovecheskogo tela.
Moskva, Meditsina, 1964. 94 p. (NIRA 17311)

SHEVELEV, I.A.

Effect of the physical strength of the light stimulus on the
parameters of conditioned motor response in man. Trudy Inst,
vys. nerv. deiat. Ser. fiziol. 6:3-11 '61. (MIRA 14:12)

1. Iz Laboratorii fiziologii analizatorov, zaveduyushchiy
V.G.Samsonova.

(CONDITIONED RESPONSE)

SHEVELEV, I.A.

Effect of the physical strength and the signaling meaning of the light stimulus on the parameters of motor response in men. Trudy Inst. vys. nerv. deiat. Ser. fiziol. 6:12-23 '61. (MIRA 14:12)

1. Iz laboratorii fiziologii analizatorov, zaveduyushchiy V.G. Samsonova.

(CONDITIONED RESPONSE)

SHEVBIEV, I. A.

Dissertation defended in the Institute of Higher Nervous Activity and
Neurophysiology for the academic degree of Candidate of Medical
Sciences: 1962

"Power Relationships in Fine Analysis of Visual Stimulation."

Vestnik Akad Nauk No. 4, 1963, pp. 119-145

DEMIRCHOGLYAN, Grant Gurgenovich; SHEVELEV, I.A., red.

[Physiology and pathology of the retina; primary
mechanisms of vision] Fiziologiya i patologiya setchatki
glaza; pervichnye mekhanizmy zreniya. Moskva, Meditsina,
1964. 142 p. (MIRA 17:10)

GERSHUNI, G.V.; SHEVELEV, A.A.; LIZHNEVSKIY, A.M.

Dependence of the primary response of the auditory region of
the cortex in cats in a waking state on temporal parameters
of the signal. Zhur. vys. nerv. delat. 14 no.3:489-497 My-Je '64.
(NERA 17:11)

1. laboratoriya fiziologii slukhovogo analizatora Instituta
fiziologii im. I.P. Pavlova AN SSSR.

SHEVCHEN, I.A.; KHICKS, L.K. [Hicks, I.R.]

Study of the afferent flow on various levels of the visual system by the total electric response. *Zhur. vys. nerv. deiat.* 15 no.1: 148-155 Ja-F '65. (MIRA 18:5)

1. Laboratoriya fiziologii realizatorov Instituta vysshey nervnoy deyatel'nosti i neyrofiziologii AN SSSR. 2. Howard University, Washington, D.C., U.S.A. (for Khicks).

SHEVELEV, I.A.

Synchronization of the initial afferent flow in the visual system.
Zhur. vys. nerv. deiat. 15 no.3:550-559 My-Je '65. (MIRA 18:6)

1. Institute of Higher Nervous Activity and Neurophysiology, Academy
of Sciences of the U.S.S.R., Moscow.

CHEVNIY, Ivan Georgiyevich

611-91
.392

UCHET KAPITAL'NOGO STROITEL'NVA (CONSTRUCT ON COST ACCOUNTING) MOSKVA,
MASHGIZ, 1956. 150 p. (BUKHGALTERSKIY UCHET)

SHEVELEV, I.N., kand.med.nauk

Problem of the functional mobility of the optic analyzer. Opt.
zhur. 12 no.5:263-266 '57. (MIRA 13:6)

1. Iz Ukrainskogo nauchno-issledovatel'skogo instituta glaznykh
bolezney imeni prof. Girshmana (direktor - chlen-korrespondent
AMN SSSR prof. I.I. Merkulov).
(~~BT~~—INTERVATION)

SHEVELEV, I.N., kand.med.nauk

New universal localizing perimeter. Oft.zhur. 13 no.4:202-203 '58
(MIRA 11:8)

1. Iz Kazakhskogo nauchno-issledovatel'skogo instituta glaznykh bolezney
(director - zasl.deyatel' nauki prof. V.P. Roshchin).
(PERIMETRY)

SHEVELEV, I.N., kand. meditsinskikh nauk

New pressure-decompression test for the early diagnosis of glaucoma.
Zdrav. Kazakh. 18 no. 2:47-48 '58. (MIRA 13:8)

1. Iz Kazakhskogo nauchno-issledovatel'skogo instituta glaznykh
bolezney (direktor - prof. V.P. Roshchin).
(GLAUCOMA)

SHEVELEV, I.N., kand.med.nauk

New modification of Krönlein's operation. Vest.oft. 72 no.4:43-45
Jl-Ag '59. (MIRA 13:4)

1. Kazakhskiy nauchno-issledovatel'skiy institut glaznykh bolezney
(dir. - prof. V.P. Roshchin).
(ORBIT surg.)

SHEVELEV, I.N., kand.med.nauk

Quantitative and qualitative analysis of forms of elastotono-
metric curves and their classification. Vest.oft. 72 no.6:
9-13 N-D '59. (MIRA 13:5)

1. Kazakhskiy nauchno-issledovatel'skiy institut glaznykh bolezney
(dir. - zasluzhennyi dyatel' nauki Kazakhskoy SSR prof. V.P.
Roshchin). (GLAUCOMA diag.)

SHEVELEV, I.N., kand.med.nauk; ZHURAVLEV, A.Ye.

Protective hood in driving in track pins is a new method for preventing eye injuries. Zdrav. Kazakh, 21 no. 4:8-9 '61.

(MIRA 14:4)

1. Iz Kazakhskogo nauchno-issledovatel'skogo instituta glaznykh bolezney.

(EYE—WOUNDS AND INJURIES) (TRACTORS—REPAIRING)

KHAIROVA, Yu.A.; SHEVELEV, I.P.

Physical education in the treatment and prevention of pneumokoniosis
in miners. Zdrav. Kazakh. 21 no.2:17-21 '61. (MIRA 14:3)

1. Iz Karagandinskogo meditsinskogo instituta.
(LUNGS—DUST DISEASES) (EXERCISE THERAPY)

KHAYROVA, Yuldus Abdulayevna, kand. med. nauk; SHEVELEV, Igor' Petrovich;
LAGUTINA, Ye.V., red.; BASHMAKOV, G.M., tekhn. red.

[Physical education in the prevention and treatment of pneumo-
coniosis] Fizicheskaia kul'tura v profilaktike i lechenii pnevmo-
koniozov. Moskva, Medgiz, 1962. 24 p. (MIRA 16:1)
(PHYSICAL EDUCATION AND TRAINING)
(LUNGS--DUST DISEASES)

KHAYROVA, Yu.A.; SHEVELEV, I.P.

Significance of medical gymnastics during the preoperative stage
in joint arthroplasty. Vop.kur., fizioter.i lech.fiz.kul't.
28 no.1:19-21 '63. (MIRA 16:4)

1. Iz kliniki gospital'noy khirurgii (zav. - prof. P.P.Khokhlov)
Karegandinskogo meditsinskogo instituta.
(ARTHROPLASTY) (GYMNASTICS, MEDICAL)

ASTASHEV, V.G., inzh.; SHEVELEV, L.S., inzh.; STEPANOV, V.S., inzh.;
FAGEL', O.A., inzh.

Standard equipment for the centralized automated chemical stations
of the finishing shops in knit goods factories. Nauch.-issl.trudy
VNIITP no.4:18-37 '63. (MIRA 17:4)

SHEVELEV, L. Ya. (Novosibirsk)

Problems. Mat. v shkole no.1:91 Ja-F '61.
(Mathematics--Problems, exercise, etc.)

(MIRA 14:3)

KALITEYEVSKIY, Rostislav Yevgen'yevich; YUDIN, Solomon Borisovich;
SHEVELEV, Leonid Yefimovich; ROZHDESTVENSKIY, M.K., red.;
DOMNIKOVA, AA., red. izd-va; GRECHISHEVA, V.I., tekhn. red.

[Equipment and technological processes of band-saw continuous
production lines]Oborudovanie i tekhnologicheskie protsessy
lentochnopil'nykh potokov. Moskva, Goslesbunizdat, 1962.
(MIRA 15:12)

1/8 p.

(Band saws) (Assembly-line methods)

SHEVELEV, M.

SHEVELEV, M., geroy Sovetskogo Soyuz.

Polar aviation. Grazhd. av. 15 no.1:19-20 Ja '58. (MIRA 11:2)

1. Nachal'nik Upravleniya polyarnoy aviatsii.
(Russia, Northern--Aeronautics, Commercial)

SHEVELEV, M.A.

KASHIRIN, A.V., starshiy dorozhnyy master; USTINOV, I.I., starshiy dorozhnyy master; SHEVELEV, M.A.

Rail-handling train. Put' put.khoz. no.9:25-26 S '59.
(MIRA 12:12)

1. Nachal'nik distantsii puti, st.Venev, Moskovskoy dorogi.
(Railroads--Maintenance and repair)

STOROZHEV, N., dotsent; SHEVELEV, M.

Wider use of ship handling by the downstream pushing method. Rech.
transp. 20 no.4:15-16 Ap '61. (MIRA 14:5)

1. Novosibirskiy institut inzhenerov vodnogo transports (for
Storozhev). 2. Kapitan teplokhoda "Akademik Vil'yams" Irtyshskogo
rechnogo parokhodstva (for Shevelev).
(Tqwing)

SHEVELEV, M.I.

SHMIDT, Otto Yul'yevich, akademik [deceased]; KUROSH, A.G., doktor fiz.-matem. nauk, otv.red.toma; GRIGOR'YEV, A.A., akademik, red.; DELONE, B.N., red.; KALASHNIKOV, A.G., doktor fiz.-matem.nauk, red.; KOZLOVSKAYA, S.V., red.; LEBEDINSKIY, A.I., doktor fiz.-matem.nauk, red.; LEVIN, B.Yu., doktor fiz.-matem.nauk, red.; MAL'TSEV, A.I., red.; KHIL'MI, G.F., doktor fiz.-matem.nauk, red.; SHEVELEV, M.I., general-leytenant, red.; POLENOVA, T.P., tekhn.red.

[Selected works; mathematics] Izbrannye trudy; matematika. Moskva, Izd-vo Akad.nauk SSSR, 1959. 315 p. (MIRA 12:2)

1. Chlen-korrespondent AN SSSR (for Delone, Mal'tsev).
(Groups, Theory of)

KOGAN, Ya.B., red.-sostavitel'; ALEKSANDROV, akademik, otv.red.; KALASHNIKOV, A.G., doktor fiz.-mat.nauk, red.; GRIGOR'YEV, A.A., akademik, red.; DELONE, B.N., red.; KOZLOVSKAYA, S.V., red.; KUROSH, A.G., doktor fiz.-mat.nauk, red.; LEBEDINSKIY, A.I., doktor fiz.-mat.nauk, red.; LEVIN, B.Yu., doktor fiz.-mat.nauk, red.; MAL'TSEV, A.I., akademik, red.; KHIL'MI, G.F., doktor fiz.-mat.nauk, red.; SHEVKLEV, M.I., geroy Sovetskogo Soyuza, red.; PROKOF'YEVA, N.B., red.izd-va; POLENOVA, T.P., tekhn.red.

[Otto IUL'evich Shmidt; his life and works. A collection devoted to a hero of the Soviet Union, Academician Otto IUL'evich Shmidt, 1891-1956] Otto IUL'evich Shmidt; zhizn' i deiatel'nost'. Sbornik, posviashchennyi geroyu Sovetskogo Soyuza akademiku Otto IUL'evichu Shmidt, 1891-1956. Moskva, 1959. 469 p. (MIRA 12:12)

1. Akademiya nauk SSSR. 2. Chlen-korrespondent AN SSSR (for Delone). (Shmidt, Otto IUL'evich, 1891-1956)

SHMIDT, Otto Yul'yevich [deceased]; LEBEDINSKIY, A.I., doktor fiz.-matem. nauk, otv.red.toma; LEVIN, B.Yu., doktor fiz.-matem.nauk, otv.red.toma; KHIL'MI, G.F., doktor fiz.-matem.nauk, otv.red.toma; KALASHNIKOV, A.G., doktor fiz.-matem.nauk, red.; GRIGOR'YEV, A.A., akademik, red.; DELONE, B.N., red.; KOZLOVSKAYA, S.V., red.; KUROSH, A.G., doktor fiz.-matem.nauk, red.; MAL'TSEV, A.I., akademik, red.; SHEVELEV, M.I., general-leytenant, Geroy Sovetskogo Soyuz, red.; NOVICHKOVA, N.D., tekhn.red.; KASHINA, P.S., tekhn.red.

[Selected works; geophysics and cosmogony] Izbrannye trudy; geofizika i kosmogoniya. Moskva, Izd-vo Akad.nauk SSSR, 1960. 209 p.
(MIRA 14:1)

(Cosmogony) (Geophysics)
(Schmidt, Otto IUL'evich, 1891-1956)

SHMIDT, Otto Yul'yevich, akademik [deceased, 1891-1956]; GRIGOR'YEV, A.A., akademik, otv.red.toma; SHEVEL'EV, M.I., general-leytenant, Geroy Sovetskogo Soyuza, otv.red.toma; DELONE, B.N., red.; KALASHNIKOV, A.G., doktor fiz.-matem.nauk, red.; KOZLOVSKAYA, S.V., red.; KUROSH, A.G., doktor fiz.-matem.nauk, red.; LEBEDINSKIY, A.I., doktor fiz.-matem.nauk, red.; LEVIN, B.Yu., doktor fiz.-matem.nauk, red.; MAL'TSEV, A.I., akademik, red.; KHIL'MI, G.F., doktor fiz.-matem.nauk, red.; MEYEROVICH, O.V., red.izd-va; KASHINA, P.S., tekhn.red.

[Selected geographical works] Izbrannye trudy; geograficheskie raboty. Moskva, Izd-vo Akad.nauk SSSR, 1960. 212 p.
(MIRA 13:11)

1. Chlen-korrespondent AN SSSR (for Delone).
(Schmidt, Otto IUL'evich, 1891-1956)
(Arctic regions)

SHMIDT, O.Yu.; SHEVELEV, M.I.

Bolsheviks at the North Pole. Let. Sev. 4:6-17 '64.

(MIRA 18:3)

YEREMIN, S.A.; SHEVELEV, M.I.

Reply by the authors. Izv.vys.ucheb.zav.; prib. 7 no.6:122 '64.
(MIRA 18:2)

SHEVELEV, Mark Ivanovich.

Over the eternal ice. Grazhd. av. 22 no.5:12-14 My '65. (MIRA 18:7)

~~SHEVELEV, M.L.~~

ALEKSANDROV, Mikhail Vasil'yevich, kandidat ekonomicheskikh nauk;
~~SHEVELEV, M.L.~~, redaktor; PEVZNER, A.S., redaktor; MEDVEDEV,
L. Ya., tekhnicheskiy redaktor.

Organization of storage and packing in industry] Organizatsia
skladskogo i tarnogo khoziaistva promyshlennogo predpriatia.
Moskva, Gos.izd-vo lit-r no stroitel'stvu i arkhitekture, 1955.
287 p. (MLRA 9:1)
(Warehouses)

SHEVELEV, M. L.

Tekhnika bezopasnosti v mashinostroenii. Rekomendovano v kachestve uchebnika
dlia mashinostroit. tekhnikumov. Moskva, Mashgiz, 1949. 302 p. illus.
Bibliography: p.(296).

Accident prevention in machine building.

DIC: TJ1177.S48

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of
Congress, 1953.

SHEVELEV, M. L.

Author: Shevelev, M. L.

Title: The anti-fire technique in the machine construction. The handbook designated for the machine construction technical institutes. (Protivopozharnaia tekhnika v mashinostroeni.) 200 p.

City: Moscow

Publisher:

~~Publication:~~ State Scientific and Technical Publication of the Machine Construction Literature.

Date: 1950

Available: Library of Congress

Source: Monthly List of Russian Accessions, v. 3, no. 12, page 842

SHEVELEV, M.L.; TIKHONOV, A.S., kandidat tekhnicheskikh nauk dotsent; retsenzent;
SHAROV, N.V., inzhener, retsenzent; PCHELINTSEV, V.I., inzhener, retsenzent;
TEMKIN, A.V., redaktor; MATVEYEVA, Ye.N., tekhnicheskiiy redaktor.

[Fire prevention in machine building] Protivopozharnaia tekhnika v
mashinostroeni. Izd.2-0e, perer. i dop. Moskva, Gos.nauchno-tekhn.
izd-vo mashinostroit. lit-ry, 1955.208 p. (MLRA 9:6)
(Factories--Fires and fire prevention)

SHEVELEV, Maksim Lavrent'yevich; POLYAKOV, N.I., prof., retsenzent; CHIR-
KIN, G.S., inzh., retsenzent; DUKHANIN, Yu.A., inzh., red.; BARY-
KOVA, G.I., red. izd-va; CHERNOVA, Z.I., tekhn. red.

[Safety engineering in the machinery industry] Tekhnika bezopasnosti
v mashinostroenii. Izd.2., perer.i dop. Moskva, Gos. nauchno-tekhn.
izd-vo mashinostroit. lit-ry, 1961. 324 p. (MIRA 14:11)

(Machinery industry—Safety measures)

SHEVELEV, M.M., mayor meditsinskoy sluzhby

Rare case of severe poisoning by methanol fumes. Voен.-med. zhur.
no.8:85 Ag '61. (MIRA 15:2)

(METHANOL TOXICOLOGY)

SHEVELEV, M.M. (Major of the Medical Service)

"A rare case of severe intoxication with methanol vapors."

Voyenno-Meditsinskiy Zhurnal, No 8, Aug 1961

J-3

USSR/Soil Science. Mineral Fertilizers.

Abs Jour: Ref Zhur-Biol., No 6, 1958, 24729.

Author : Shevelev, M.P.; Perepelitza, V.M.

Inst :

Title : Of a System of Fertilization in Field Crop Rotations
On Leached Chernozem of the Central Chernozem Belt.

Orig Pub: Udobreniye i urozhay, 1956, No 11, 12-19.

Abstract: In the Shatilov Experimental station, three ver-
sions of a system of fertilization on leached cher-
nozem in two 9-field crop rotations have been stu-
died since 1940. A - bar fallow, winter wheat,
clover with timothy grass (2 years), spring wheat,
potato, vetch - oats on hay, winter rye, oats; B -
bare fallow, winter wheat, potato, spring wheat,
clover with tomothy grass (2 years), winter rye,

Card : 1/4

USSR/Soil Science. Mineral Fertilizers.

J-3

Abs Jour: Ref Zhur-Biol., No 6, 1958, 24729.

buckwheat, oats. For rotation of each crop, rotation was applied with all of the following amounts of fertilizers per 1 ha.: in the I version - manure 20 t. and N35P30K30; on the II - manure 20 t. and N35P75K75; and on the III - manure 40 t. and N100P165K165. Without fertilizers, both crop rotations according to the aggregate harvest of rye, wheat, and oats did not differ among themselves, but the aggregate harvest of grain in crop rotation B was 22% higher at the expense of the additional field under buckwheat. On a layer of perennial grasses, in the conditions of the district, it is better to dispose winter crops, but not spring wheat. It is better to reseed perennial grasses on the spring crops. The total increase of the yield of all crops in crop

Card : 2/4

12

USSR/Soil Science. Mineral Fertilizers.

J-3

Abs Jour: Ref Zhur-Biol., No 6, 1958, 24729.

rotation, converting rye grain to starch equivalents in A and B, comprised (in C/hectare): in version I, 23.8, 30.4; in II, 28.2 and 37.2; in III, 45.7 and 50.6. In the 2nd rotation of the crop rotation, the augmentations of the yield were higher than in the 1st. The 20 ton/ha. quota of manure appears to be sufficient. Phosphorite flour, according to the data of the soil, fully replaces superphosphate, applied evenly. According to the results of experiments in 1953-1955, mixture of humus and powder-like superphosphate should be recommended for fertilization of rye on green fallows. Winter wheat and potato gave tangible increases of yields from organic-mineral mixture only on plots not fertilized or poorly fertilized

Card : 3/4

SHEVELEV, M. I.

Uniform regulations for the establishment of standard technical documentation. Standartizatsiia 29 no.8:49-51 '65.

(MIRA 18:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po normalizatsii v mashinostroyenii.

SHEVELEV, N. A.

SHEVELEV, N. A. - "On the Localization of the Conditioned Vocal Reflex in Dogs."
Leningrad State Pedagogical Inst imeni A. I. Gertsen, Chair of Anatomy and Physiology
of Animals and Humans, Leningrad, 1955 (Dissertations For the Degree of Candidate of
Biological Sciences)

SO: Knizhnaya Letopis' No. 26, June 1955, Moscow

SHEVELEV, N.A.

Pathological phenomena appearing during the extinction of conditioned
motor reflexes in dogs. Uch.zap.Ped.inst. Gerts.113:53-68 '55.
(MLRA 10:3)

(CONDITIONED RESPONSE) (NEUROSES)

~~SHEVELEV~~ N.A.

USSR/Human and Animal Physiology - The Nervous System.

V-10

Abs Jour : Ref Zhur - Biol., No 2, 1958, 9058

Author : N.A. Shevelev

Inst : The Leningrad State Institute of Pediatrics.

Title : Pathological Phenomena Arising in Connection with the Extinction of Motor Conditioned Reflexes in Dogs.

Orig Pub : Uch. zap. Leningr. gos. ped. in-ta, 1956, 113, 53-68

Abstract : Three conditioned motor feeding reflexes were produced in three dogs: pushing on a pedal with the right forepaw, pulling a ring with the teeth and barking (the vocal motor conditioned reflex). Metronome, buzzer and gurgle served as conditioned stimuli. After the conditioned reflexes were fixed, sudden interruptive extinction of one of them was produced before the onset of sleep. In a dog of a weak, inactive type the process of extinction produced

Card 1/3

prolonged disturbances of all conditioned reflexes and a sudden worsening of the animal's condition (motor unrest, ... etc.)

SHABANOV, M.Sh., prof.; SHEVELEV, N.I., red.

[Arterial system of the human lower extremity under normal conditions and in endarteritis obliterans] Arterial'naiia sistema nizhnei konechnosti cheloveka v norme i pri obliteriruiushchem endarterite. Aktiubinsk, 1967. 246 p.
(MIRA 18:10)

SHCHEGLOV, V.I.; SHEVELEV, P.G.

Unit-cast grooves for piercing mills. Sbor.rats.predl.vnedr.v
proizv. no.5:30 '60. (MIRA 14:8)

1. Azerbaydzhanskiy truboprokatnyy zavod.
(Pipe mills)

SHEVELEV, Y.M.

KAPLYANSKIY, A.Ye.; SHEVELEV, P.N.

Universal instrument for measurements of current, voltage, power,
phase shift, and frequency. Izv. tekhn. no.6:68-70 N-D '57.
(Electric meters) (MIRA 10:12)

L 12233-63

BDS

S/271/63/000/004/037/045

AUTHOR: Shevelev, P. N.

47

TITLE: A fantastron converter of volts-to-digits type

PERIODICAL: Referativnyy zhurnal, Avtomatika, telemekhanika i vychislitel'naya tekhnika, no. 4, 1963, 36, abstract 4B198 (Tr. Rizhsk. in-ta inzh. grazhd. vozd. flota; 1961, no. 6, 3-18)

TEXT: This is a brief presentation of the principle of a volts-to-code converter with time coding; there is a detailed analysis of the fantastron circuit, which serves to set up linearly measurable voltage. Two variants of the converter are described; these have one and two circuits of fantastrons. There is a computation of the basic parameters and errors of the converter; it is noted that the practical total error amounts to $\pm 0.5\%$. There is a description of the circuit of a 2-fantastron converter with a 10-digit counter. The counter, with semiconductor discharges, has nine digit and 1 symbol columns. Frequency of cycle pulses is up to 500 Meg. There are 14 illustrations and a bibliography of 6 items. E. G.

Abstracter's note: Complete translation

Card 1/1

L 12232-63

EWT(d)/FCC(w)/BDS ASD/APGC Pg-4/Pk-4/Po-4/Pq-4 GG/IJP(G)

S/271/63/000/004/038/045

AUTHOR: Samokhin, A. F. and Shevelev, P. N.

TITLE: An experimental study of input and output converters in computers

PERIODICAL: Referativnyy zhurnal, Avtomatika, telemekhanika i vychislitel'naya tekhnika, no. 4, 1963, 38, abstract 4B214 (Tr. Rzhsk. in-ta inzh. grazhd. vozd. flota, 1961, no. 6, 35-41)

TEXT: The authors describe an experiment in which the accuracy of two converters was tested simultaneously: a fantastron volts-to-code converter and a code-to-volts converter. For the test, input voltage and output voltage were measured by an oscillograph and the difference noted (for the code converter). Input voltage was directed to the fantastron converter and the code obtained passed to the code-to-volts converter. As a result the deviations could be caused by the inaccuracy of either the one or the other converter. This experiment allows one to determine the errors introduced by converters working jointly, by use of a model and a digital computer. As input voltage, sinusoidal and linear-varying signals from a NGPK-2 generator were used; a potentiometer served to set up voltage of arbitrary form. Auxiliary circuits used in the experiment are described. The results of the experiment are illustrated in oscillograms, which allow one to make qualitative (only)

Card 1/2

L 12232-63

0
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An experimental study

evaluations. There are six illustrations. E. G.

Abstracter's note: Complete translation

Card 2/2

WRITE BELOW THIS LINE ↓

POSTCARD

ACCESSION NR: AP4045918

S/0119/64/000/009/0013/0016

AUTHOR: Shavelev, P. N. (Candidate of technical sciences)

TITLE: Digital-output (function) multiplier

SOURCE: Priborostroyeniye, no. 9, 1964, 13-16

TOPIC TAGS: multiplier, function multiplier, pulse time function multiplier

ABSTRACT: A two-phantastron pulse-time multiplier of two continuous quantities, one of which can be alternating, is described. A timer produces a time interval T proportional to one continuous quantity; an h-f oscillator produces a frequency f dependent on the second continuous quantity; a gate holds open during T and passes a packet of f -frequency pulses. A digital counter gives the number of pulses in the packet which measures Tf , or the product of the two quantities. The multiplier circuit diagram and its components are given. It is claimed that the counter reliably operates at pulse frequencies up to 400 kc and

Card 1/2

ACCESSION NR: AP4045918

that the multiplier error is about 1%. Orig. art. has: 7 figures and 6 formulas.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: IE *BP*

NO REF SOV: 006

OTHER: 000

Card 2/2

CHUDNOVSKIY, A.; SHEVELEV, S.

Raise the standards of control and inspection. Prom. koop. no.12:
6-7 D '57. (MIRA 10:12)

(Cooperative societies)

SHEVELEV

SHEVELEV, S.

Organizing work conditions for the disabled. Prom. koop. 12 no.2:
7 F '58. (MIRA 11:1)

(Disabled---Rehabilitation, etc.)

SHEVELEV, S.

Inspection should be thorough and efficacious. Prom.koop. 12
no.12:12-13 D '58. (MIRA 12:2)
(Cooperative societies--Auditing and inspection)

SMEVELEV, S. (G.Smolensk)

Original reports on carrying out production norms. 'Sots. trud .
6 no. 2:135-136 F '61. (MIRA 14:2)
(Productivity accounting)

ARBUZOV, Yu. A.; DYATKIN, B.L.; SHEVELEV, S.A.

Some reactions of 1, 4-dichlorobutanone-2. Dokl. AN SSSR 112 no.2:
261-263 Ja '57. (MLRA 10:4)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.
Predstavleno akademikom A. N. Nesmeyanovym.
(Butanone)

5(3)

AUTHORS:

SOV/20-124-3-27/67
Novikov, S. S., Faynzil'berg, A. A., Shevelev, S. A.,
Korsakova, I. S., Babiyeveskiy, K. K.

TITLE:

On an Interesting Case of Isomerization in the Series of Saturated Aliphatic Nitro-Compounds (Ob interesnom sluchaye izomerizatsii v ryadu nasyshchennykh alifaticheskikh nitro-soyedineniy)

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 124, Nr 3, pp 589-591 (USSR)

ABSTRACT:

In the presence of ammonia, 1,1,1,3-tetranitropropane is rearranged into the symmetric isomeric 1,1,3,3-tetranitropropane, which is precipitated as a diammonium salt. Besides, a small quantity of 1,1,3-trinitropropane is formed. If ammonia is replaced by stronger organic or inorganic bases, no symmetric tetranitropropane but only 1,1,3-trinitropropane is formed. The formation of the last-mentioned compound is effected by the splitting-off of a nitro group by the action of the bases. Whereas, in the presence of ammonia, the isomerization of 1,1,1,3-tetranitropropane into symmetric tetranitropropane occurs parallel to this splitting-off reaction, it is suppressed in the presence of strong bases. - The reaction occurs at 0°C

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SOV/20-124-3-27/67

On an Interesting Case of Isomerization in the Series of Saturated Aliphatic Nitro-Compounds

in an aqueous alcohol solution (it can not be effected in non-polar solvents). The yield of the symmetric diammonium salt was 40%. This salt is transformed, by potassium chloride, into the potassium salt, the latter being eventually converted into 1,3-dibromo-1,1,3,3-tetranitropropane. In the paper under review, these compounds have been described for the first time. The transformation of 1,1,1,3-tetranitropropane into the symmetric isomer is the first so far observed case of an isomerization by change of place of a nitro group in saturated aliphatic nitro-compounds. - The paper contains a detailed recipe for the isomerization of 1,1,1,3-tetranitropropane, for the preparation of the symmetric potassium salt, as well as of the 1,3-dibromide, and for the preparation of 1,1,3-trinitropropane in the presence of dimethylamine. There is 1 reference.

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk SSSR (Institute of Organic Chemistry imeni N. D. Zelinskiy of the Academy of Sciences, USSR)

Card 2/3

S/020/60/132/04/31/064
B011/B003

5.3610
AUTHORS:

Novikov, S. S., Faynzil'berg, A. A., Shevelev, S. A.;
Korsakova, I. S., Babiyevskiy, K. K.

TITLE:

Isomerization of Tetranitroalkanes

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol. 132, No. 4,
pp. 846-849

TEXT: In the article under review the authors found that 1,1,1,3-tetra-
nitropropane is isomerized to a symmetrical tetranitropropane (II)
not only in the presence of ammonia but also by the action of some
other alkaline agents such as potassium acetate and -methylate. The
nature of the solvent determines the course of reaction. In alcohol
the reaction of 1,1,1,3-tetranitropropane leads to isomerization
with potassium acetate, thus forming 1,1,3,3-tetranitropropane (yield
33.4 per cent). Isomerization does not occur in an alcohol-acetone
mixture; only the nitro group is split off, and 1,1,3-trinitropropane
is obtained. In the presence of potassium methylate (in methanol),
1,1,1,3-tetranitropropane (I) is isomerized to the symmetrical

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Isomerization of Tetranitroalkanes

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tetranitropropane (II) in a yield of 10.8 per cent. The authors wanted to see whether isomerization is only characteristic of 1,1,1,3-tetranitropropane. For this purpose they studied the behavior of 1,1,1,3-tetranitrobutane and 1,1,1,3-tetranitropentane toward bases. Unlike 1,1,1,3-tetranitropropane, these two tetranitroalkanes occur in two stable forms, a true and an acy form (see Scheme). The authors found that the acy form of tetranitrobutane (IIIa) may be easily isomerized to 1,1,3,3-tetranitrobutane (V) by the action of potassium acetate in alcohol (yield 34.5 per cent). Potassium methylate in methanol (yield 36.7 per cent) and alcoholic caustic potash (yield 12.1 per cent) have a similar effect. Isomerization also occurs in the presence of dimethylamine, but its yield does not exceed a few per cent. The true form of 1,1,1,3-tetranitrobutane (III b) is isomerized to 1,1,3,3-tetranitrobutane by the action of potassium acetate (yield 34.5 per cent); but unlike the acy form, not in the presence of potassium methylate. The acy form of 1,1,1,3-tetranitropentane (IV a) may be isomerized in the way described above, but only in the presence of potassium acetate. Thus, 1,1,3,3-tetranitropentane (VI) (yield 14.5

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Isomerization of Tetranitroalkanes

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B011/B003

per cent) is formed. The true form of 1,1,1,3-tetranitropentane (IV b) cannot be isomerized in the presence of alkaline agents. 1,1,1,3-tetranitrobutane and 1,1,1,3-tetranitropentane (both acy and true forms) are not isomerized either in the presence of ammonia. The authors establish that the acy forms isomerize more readily than the true forms. For this reason they assume that the isomerization of 1,1,1,3-tetranitroalkanes passes through the stage of the acy form. The isomerization products of (II), (III), and (VI) were obtained as potassium salts. By the action of bromine they were converted into the corresponding bromides. On the strength of the results obtained the authors draw the conclusion that isomerization accompanied by a shift of the nitro group represents a general reaction of the 1,1,1,3-tetranitroalkanes having a straight chain of carbon atoms. There are 3 references, 2 of which are Soviet.

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo
Akademii nauk SSSR (Institute of Organic Chemistry imeni
N. D. Zelinskiy of the Academy of Sciences, USSR)

Card 3/4

SLOVETSKIY, V.I.; SHEVELEV, S.A.; FAYNZIL'BERG, A.A.; NOVIKOV, S.S.

Dissociation constants of gem-dinitroalkanes. Zhur. VkhO 6 no.6:
707-708 '61. (MIRA 14:12)

1. Institut organicheskoy khimii imeni N.D.Zelinskogo AN SSSR.
(Paraffins) (Dissociation)

SLOVETSKIY, V.I.; SHLYAPOCHNIKOV, V.A.; SHEVELEV, S.A.; FAYNZIL'BERG, A.A.;
NOVIKOV, S.S.

Molecular absorption spectra of nitro alkanes. Izv. AN SSSR. Otd.
khim. nauk no.2:330-337 F '61. (MIRA 14:2)

1. Institut organicheskoy khimii im.N.D.Zelinskogo AN SSSR.
(Paraffins--Spectra)

SLOVETSKIY, V.I.; SHEVELEV, S.A.; FAYNZIL'BERG, A.A.; NOVIKOV, S.S.

Dissociation constant of trinitromethane. Zhur.VKHO 6 no.5:599-
600 '61. (MIRA 14:10)

1. Institut organicheskoy khimii im. N.D.Zelinskogo Akademii
nauk SSSR.

(Nitroform)

33986

S/062/62/000/002/011/013

B117/B138

11. 2122
11. 1260
11. 1360

AUTHORS: Slovetkiy, V. I., Shevelev, S. A., Faynsil'berg, A. A., and Novikov, S. S.

TITLE: Destructive effect of light on aliphatic nitro-compounds

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Otdeleniye khimicheskikh nauk, no. 2, 1962, 359 - 360

TEXT: In a study of the spectra of nitro-compounds it was found that nitroalkanes and their salts are destroyed by light. A sample placed in a standard cuvette was illuminated by the lighting unit of an MCM-51 (ISP-51) apparatus. The wavelength of the mercury line examined was separated with standard light filters. To secure a standard amount of light energy during the experiments, the less intense lines were irradiated longer: 405 $\text{m}\mu$ - 10 hr; 436 $\text{m}\mu$ - 2 hr; 546 $\text{m}\mu$ - 3 hr. Conclusion: The closer the wavelength of light incident upon the substance is to the absorption maximum of this substance, the more intense is its decomposition. Daylight has a particularly destructive effect upon nitroalkanes. The effect of electric

Card (1/2)

33986

S/062/62/000/002/011/013
B117/B138

Destructive effect of light on...

light, whose spectrum is near the infrared, is insignificant. It is believed that the acidity of nitrocompounds is inversely proportional to their light stability. As to the mechanism of the decomposition caused by light, it is noted that the acidity of nitroalkane solutions rises during decomposition. The change produced in nitroalkanes and their salts by the light effect is an irreversible process. There are 1 table and 3 Soviet references.

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk SSSR (Institute of Organic Chemistry imeni N. D. Zelinskiy of the Academy of Sciences USSR)

SUBMITTED: March 9, 1961

Card 2/2