

TUYEZOV, I.K.

Experience in using industrial explosions for studying crustal structure in the transition zone from the Siberian Platform to the Taymyr trough. Geol. i geofiz. no.2:123-127 '65. (MIRA 18:9)

1. Sakhalinskiy kompleksnyy nauchno-issledovatel'skiy institut Sibirskogo otdeleniya AN SSSR, poselok Novo-Aleksandrovka.

RADKEVICH, Ye.A.; VASIL'KOVSAY, N.P.; TUYEZOV, I.K.

Coordination conference on the study of the earth's crust and upper
mantle in the eastern regions of the U.S.S.R. Geol. i geofiz. no.2:
164-165 '65. (MIRA 18:9)

UMPEROVICH, N.V.; TUYEZOV, I.K.; PASHUTINA, S.R.

New data on the multiple reflection of waves in the West Siberian
Plain. Geol. i geofiz. no.9;81-02 '64. (MIRA 18:7)

I. Sibirskiy nauchno-issledovatel'skiy institut geologii, geofiziki i
mineral'nogo syr'ya, Novosibirsk.

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001757620014-8

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001757620014-8"

ACCESSION NR: AP5013398

SEARCHED INDEXED SERIALIZED FILED 1980-1981
SPECIAL AGENT IN CHARGE: JAMES M. HARRIS
THE STATE DEPT.

on the basis of deep and superdeep drilling; e) geologic development of the

the island of CB and the Baffin offshore seas in the Soviet portion of the Pacific

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001757620014-8

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001757620014-8

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001757620014-8"

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001757620014-8

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001757620014-8"

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001757620014-8

(Radkevich, Ye. A.; N. P. Vasilevskiy, and I. V. Suykov)

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001757620014-8"

TUYEZHOVA, Nina Aleksandrovna; Prinimali učastiye: DEMINA, R.G.; BRYUZGINA, N.I.; ROSTOVTSEV, N.N., glavnnyy red.; GURARI, F.G., zamestitel' glavnogo red.; UMANTSEV, D.F., red.; DERBIKOV, I.P., red.; KAZARINOV, V.P., red.; KALUGIN, A.S., red.; KOLOBKOV, M.N., red.; MALIKOV, B.N., red.; MIKUTSKIY, S.P., red.; BOTVINNIKOV, V.I., red.; BUDNIKOV, V.I., red.; BOGOMYAKOV, G.P., red.; SURKOV, V.S., red.; SUKHOV, S.V., red.; BOCHAROVA, N.I., red.

[Physical properties of rocks in the West Siberian Plain.]
Fizicheskie svoistva gornykh porod Zapadno-Sibirskoi nizmennosti.
Moskva, Nedra, 1964. 127 p. (Sibirskii nauchno-issledovatel'skii
institut geologii, geofiziki i mineral'nogo syr'ia. Trudy, no.31).
(MIRA 18:7)

TUYEZLOVA, N.A.

Relation between certain physical properties of rocks of southwestern Turkmenistan and the geological structure of the region. Frikl. geofiz. no.23:91-99 '59. (MIRA 13:1)
(Turkmenistan--Rocks, Sedimentary)

1ayezova, N.A.
3(5,6)

PHASE I BOOK EXPLOITATION

SOV/2899

Vsesoyuznyy nauchno-issledovatel'skiy institut geofizicheskikh metodov
razvedki

Prikladnaya geofizika; sbornik statey, vyp. 23 (Applied Geophysics;
Collection of Articles, No.23) Moscow, Gostoptekhizdat, 1959.
242 p. 3,500 copies printed.

Ed.: M.K. Polshkov; Exec. Ed.: N.N. Kuz'mina; Tech. Ed.: A. S.
Polosina.

PURPOSE: This book is intended for scientific, engineering, and
technical personnel of industrial geophysical exploration services.

COVERAGE: This is a collection of 14 articles by various authors on
aspects of geophysical exploration. The material treated in the
articles may be divided into four categories: the physical pro-
perties of rocks in specific geological regions, methods and tech-
niques used in industrial geophysical exploration, concepts in the
theory of electrical exploration, and the economics involved in

Card 1/4

Applied Geophysics; Collection of Articles (Cont.) SOV/2899

geophysical operations. Specifically, the authors discuss the geologic structures of the central parts of the Russian Platform, southwestern Turkmenia, the West Siberian Plains, the eastern part of the Siberian Platform, and the Minusinsk basins; electrical frequency sounding, neutron logging, gamma spectrometry techniques, and the standard equipment and installations of the geophysical services of the petroleum industry in the USSR. References accompany each article.

TABLE OF CONTENTS:

Van'yan, L.L. Some Problems in the Theory of Frequency Sounding of Horizontal Bedding	3
Kalinina, R.V. Regularities in the Changes of the Physical Properties of Devonian Rocks in the Central Parts of the Russian Platform	46
Tuyezova, N.A. The Relationship Between Certain of the Physical Properties of the Rocks of Southwestern Turkmenia and the Geology of the Region	91

Card 2/4

Applied Geophysics; Collection of Articles (Cont.)	SOV/2899
Zakashanskiy, M.S. Density of the Meso-Cenozoic Deposits of the West Siberian Plains	101
Nikolayevskiy, A.A. Density Characteristics of the Geological Profile of the Eastern Part of the Siberian Platform	112
Galaktionov, A.B. Density of Sedimentary Beds of Ustyurt	127
Tarkov, A.P. Nature of the Anomalous Gravitational Field of the Minusinsk Basins	136
Temkin, A.Ya. Methods of Solving Problems in Neutron Logging	141
Kantor, S.A. The Effect of the Diameter of a Borehole on Instrument Readings in Neutron-Neutron Logging	174
Nedostup, G.A., F.N. Prokof'yev, A.I. Kholin, and A.P. Tsitovich. Use of Differential Gamma-Spectrometry in Petroleum Geology	193

Card 3/4

Applied Geophysics; Collection of Articles (Cont.) SOV/2899

Voskoboynik, N.I. The Speed of Electrical Logging in Combined Measurements With an Arbitrary Division of Channels 202

Polyakov, Ye. A. An Equivalent Electrical Schematic for an Electrode 217

Abb, E.A., V.M. Zaporozhets, R.I. Plotnikov, and L.A. Khutsishvili. Some Problems in the Design of a Borehole Neutron Generator 226

Kozlov, P.T. Basic Assets of the Geophysical Services in the Petroleum Industry of the USSR 234

AVIALABLE: Library of Congress

Card 4/4

MM/bg
12-21-59

TUYEZHOVA, N.A.

Study of magnetic susceptibility in connection with the correlation of rocks based on their age and some other problems of geological interpretation. Trudy SNIIGGIMS no.10:63-69 '60.

(MIRA 15:12)

(Rocks--Magnetic properties) (Geological time)

TUYKOV, V.

Flocculent Cloths ("Flocon" Fabrics). Leka Promishlennost (Light Industry), #10:13:Oct 54

244200

28362

S/124/61/000/007/039/044
A052/A101

AUTHOR: Tuylenev, A. I.

TITLE: Calculation of a cylindrical shell and ribs for a concentrated load

PERIODICAL: Referativnyy zhurnal, Mekhanika, no. 7, 1961, 10, abstract 7V73
(V sb. "Raschet prostransv. konstruktsii. V. 5". Moscow, Gosstroy-
izdat, 1959, 387-430)

TEXT: A method of calculating a thin round cylindrical shell with ribs with an arbitrary concentrated load acting on a rib is proposed. The shell is taken as uniform, elastic isotropic and reinforced by a dense frame; rigidities of the intermediate ribs are assumed to be distributed continuously over the length of the shell. The author starts from the semi-membrane theory of the cylindrical shell (an allowance is made for normal and shearing forces, and in the longitudinal section the bending moment and a lateral force are taken additionally into account). The resistance of a rib to outside forces in its plane and normal to it is allowed for. The forces in the shell are presented in the form of an infinite series of products of orthogonal functions. An approximate

Card 1/2

Calculation of a cylindrical shell ...

28362 S/124/61/000/007/039/044
A052/A101

solution, based on an additional neglect of shearing strains, is also given. In this case the solution is given in a closed form. Various cases of loading are analyzed, a calculation of the rib is given.

E. Grigolyuk

[Abstracter's note: Complete translation]

Card 2/2

TUYNILA, V. I., Cand Biol Sci -- (diss) "Biological properties and economic value of the most important varieties of apples of the Lithuanian SSR." Vil'nyus, 1960. 20 pp; (Ministry of Higher and Secondary Specialist Education USSR, Vil'nyusskiy State Univ im V. Kapsukas); 250 copies; free; (KL, 18-60, 150)

TUYSK, A.G.

Efficiency of the consumption of the Gusinoye Ozero coal and
further developing of the Buryat coal industry. Trudy BKNII
no.5:23-34 '61. (MIRA 18:2)

BUYANTUYEV, B.R.; RADNAYEV, G.Sh.; TUYSK, A.G.

Perequisites of the formation of the industrial centers of the
Kazakhstan A.S.S.R. Trudy BKNII no.5:3-22 '61.

(MIRA 18:2)

BUYANTUYEV, B.R.; RADNAYEV, G.Sh.; ZONOV, B.V., red.; KROTOV, B.A., otv.red.;
TUYSK, A.G., red.; BASHKUYEV, B.V., spetsred.; ZILOTIN, Yu.V.,
red.izd-va; AKHANOV, Ts.B., tekhn.red.

[Soviet Buryat-Mongolia; economic and geographical survey]
Sovetskaya Buriat-Mongoliia; ekonomiko-geograficheskii obzor.
Ulan-Ude, Buriat-Mongol'skoe knizhnoe izd-vo, 1957. 352 p.
(Buryat-Mongolia) (MIRA 11:12)

TUYSK, A. G.

Expansion of coal mining in Eastern Siberia. Trudy Vost.-Sib.
fil.AN SSSR no.21:15-30 '59. (MIRA 13:9)
(Siberia, Eastern--Coal mines and mining)

TUYSK, Aleksandr Gansovich; BAZAROV, B.M., spets. red.; KHANTAYEV,
P.I., spets. red.; SUMAKHIN, A.N., red. izd-vz

[Development of the mining industry in the Buryat A.S.S.R.]
Razvitiye gornoi promyshlennosti Buriatskoi ASSR. Ulan-Ude,
Buriatskii kompleksnyi nauchno-issledovatel'skii in-t, 1961.
86 p.

(Buryat A.S.S.R.—Mineral industries)

TUYSK, V.

Above all labor safety. Avt. transp. 41 no.12:4-7 D '63.
(MIRA 17:1)

1. Zamestitel' nachal'nika otdela okhrany truda i tekhniki
bezopasnosti Severo-Vostochnogo soveta narodnogo knozyaystva.

TUYSK, Yu.V.; KADENSKIY, A.S., prof., nauchnyy redaktor. I'zobraz.

Inaogenetic minerals in the northern part of the Ural mountains.
Uch. zap. Ped. inst. Gerts. 239:183-185 '64.

(MIRA 36:3)

TUYST, F.T.
TUYST, F.T.

Study of ixodid ticks in the Tatar A.S.S.R. Med.paraz. i paraz.bol.
supplement to no.1:59 '57. (MIRA 11:1)

1. Iz kafedry obshchey biologii Kazanskogo meditsinskogo instituta
i Tatarskoy respublikanskoy sanitarno-epidemiologicheskoy stantsii
(TATAR A.S.S.R.--TICKS)

TUITYUNNIKOV, B.N.; PEROHENKO, A.A.

Acceleration of paraffin oxidation in the presence of manganese
accelerators employed in industry. Sbor. nauch. rab. Inst. fiz.-
org. khim. AN BSSR no.8:148-154 '60. (MIRA 14:3)

1. Khar'kovskiy politekhnicheskiy institut im. V.I. Lenina, i
Nauchno-issledovatel'skiy institut po sinteticheskim zhirozameni-
telyam i moyushchim sredstvam.
(Oxidation) (Manganese compounds) (Paraffins)

TUZ, A.A.

Use of a vacuum in treating paradentosis. Stomatologija 42
no.4t99 Jl-Ag'63 (MIRA 1784)

1. Artem'yevskaya zheleznodorozhnaya bol'nitsa.

TUZ, A.S.

Abnormalities in peach and apricot flowers associated with retarded
flowering. Bot. zhur. 45 no.4:604-606 Ap '60. (MIRA 14:5)

1. Ferganskiy oporny punkt Instituta imeni akad. R. R. Shredera.
Ferganskaya obl.
(Peach) (Apricot) (Plants, Flowering of)

TUZ, A.S.

Development of flower buds in the stone fruit of Central Asia,
Trudy po prikl. bot., gen. 1 sel. 30 no. 3:253-260 '57. (MIRA 11:7)
(Buds)
(Soviet Central Asia--Stone fruit)

TUZ, A.S.

Anomalous flowering and fruiting in the Persian walnut. Priroda 47
no.5:91-92 My '58. (MIRA 11:5)

l. Ferganskiy opornyj punkt Uzbekskogo nauchno-issledovatel'skogo
instituta sadovodstva i vinogradarstva im. akademika R.R. Shredera,
Kuva, Ferganskoy oblasti.

(Kuva District---Walnut)
(Plants, Flowering of) (Abnormalities (Plants))

USSR / Cultivated Plants. Fruits, Berries, Nutbearing, M-6
Teas.

Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 6437

Author : Tuz, A. S.

Inst : Not given

Title : Anomalous Blooming and the Fruit Bearing
of Walnut

Orig Pub : Priroda, 1958, No 5, 91-92

Abstract : A repeated blooming of walnut was observed
in Uzbekistan when the trees were damaged
by frost. The Fergan Agricultural Station
in Kuva produced a walnut tree which blooms
late and is not susceptible to damage to frost.

Card 1/1

USSR / Cultivated Plants. Fruits, Berries.

M-7

Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 58748

Author : Tuz, A. S.
Inst : Fruit Cultivation Institute im. Schreder
Title : Times of Grafting of the Apricot Tree

Orig Pub : Sots. s.-kh. Uzbekistana, 1957, No 7, 60-61

Abstract : Methods and dates of obtaining scions of good quality, in order to improve the acclimatization of apricot graftings, are recommended on the basis of experiments carried out by the Fergana base of the Fruit cultivation institute im. Schreder. The best results of acclimatization capacity of eyes was obtained when the grafting took place late in the season. In order to obtain a good yield of seedlings the grafting must be carried out approximately between August 20th and September 20th. Scions for grafting are taken from trees, on which

Card 1/2

145

USSR / Cultivated Plants. Fruits, Berries.

M-7

Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 58748

pinching has been carried out from June 1st to June 20th.
The methods of pinching are recommended. One adult
tree can provide 150-200 scions of good quality for
1500-2000 graftings. -- L. V. Koblents

Card 2/2

ZHURAVLEV, M.S., kand. sel'khoz. nauk; KOVALEV, N.V., kand. sel'khoz. nauk; MONAKHOV, G.V.; MUKHAMEDOV, G.K.; TATAUROVA, A.S.; TUZ, A.S.; TUPITSYN, D.I.; FROLOW, A.I.; VYSOTSKIY, K.A., kand. sel'khoz. nauk, red.; PAVLOVA, N.M., doktor biol. nauk, red.; KUL'TISOV, N.V., kand. sel'khoz. nauk, red.; PYLAYEVA, L.N., red.; SOROKINA, Z.I., tekhn. red.

[Catalog of the prospective varieties of fruit, berry, and grape crops in the collection of the Central Asia Experiment Station of the All-Union Institute of Plant Culture] Katalog perspektivnykh sortov plodovo-iagodnykh kul'tur i vinograda v kolleksii Sredneaziatskoi opytnoi stantsii. Tashkent, Vses. nauchno-issl. inst. rastenievodstva, 1961. 123 p. (MIRA 16:12)

1. Sredneaziatskaya opytnaya stantsiya.
(Soviet Central Asia--Fruit--Varieties)

(pitted fruit) ~~peaches~~
TUZ, A. S. Cand Biol Sci -- "Development of the flower buds of peaches and
other [redacted] in connection with their winter resistance under conditions of
Uzbekistan." Mos, 1960 (Mos Order of Lenin Agr Acad im K. A. Timiryazev).
(KL, 4-61, 193)

-142-

TUZ, A.S.

Nectarine. Priroda 49 no. 12:114-115 D '60. (MIRA 13:12)

1. Ferganskiy opornyj punkt Instituta im.akad. R.R.Shredera.
(Nectarine)

AUTHOR:

Tuz, A.S.

26-58-5-24/57

TITLE:

Anomalous Flowering and Fruitage of the Walnut (Anomal'noye
tsveteniye i plodonosheniye gretskogo orekha)

PERIODICAL: Priroda, 1958, Nr 5, pp 91-92 (USSR)

ABSTRACT:

The author discusses his observations on second flowering of fruit trees, especially the walnut trees and quotes similar observations made by V.V. Pashkevich, N.V. Kovalev and N.I. Kichunov. With respect to the walnut, the observations were made in Uzbekistan. It is stated that the walnut tree is especially inclined to second flowering when frost occurs in the early flowering period of the tree. This is especially true for several species of the walnut tree, but by no means is a common or frequent or hereditary characteristic. The second flowering includes both female and male flowers, or only male flowers but never female flowers alone. A specimen is described which flowers 30 to 40 days later and might well become the origin of late-flowering walnut trees.

Card 1/2

There are 1 figure and 3 Soviet references.

Anomalous Flowering and Fruiting of the Walnut

26-58-5-24/57

ASSOCIATION: Ferganskiy opornyj punkt Uzbekskogo nauchno-issledovatel'skogo instituta sadovodstva i vinogradarstva imeni akad. R.R. Shredera, Kuva, Ferganskoy oblasti (Fergana Base of the Uzbek Scientific Horti- and Viniculture Research Institute imeni Academician R.R. Shreder, Kuva Fergana Oblast')

AVAILABLE: Library of Congress

Card 2/2 1. Walnut tree - Growth 2. Plants - USSR

USSR/Cultivated Plants - Fruits. Berries.

M

Abs Jour : Ref Zhur Biol., No 18, 1958, 82514

Author : Tuz, A.S.

Inst :

Title : On the Development of Flower Buds in Stone Fruit Varieties in Central Asia.

Orig Pub : Tr. po prikl. botan., genet. i selektsii, 1957, 30, No 3, 253-260

Abstract : Under the conditions found in Central Asia many cold resistant varieties of fruit plants lose their positive properties (Vladimirskaya cherry, Kozlovskaya sweet cherry). In 1953-1954, observations were made on the complete cycle of the flower bud development in many varieties and species of stone fruit plants. Test specimens were taken twice a month. The duration of the quiescent period was determined. For this, twigs with flower buds were cut off every 10 days and kept in a room at 17°.

Card 1/3

USSR/Cultivated Plants - Fruits. Berries.

M

Abs Jour : Ref Zhur Biol., No 18, 1958, 82514

In both trials, test specimens were taken from one-year old shoots of the principal accretion from the southerly side of the crown. Varieties with a weak rate of development of the flower buds during autumn-winter period and varieties with a long rest period of the flower buds proved to be the most promising for the selection work. The following varieties can serve as good parental material for raising cold resistant varieties of peach: Akshaftali No 2, Nektarin zheltyy, Sentyahr'skiy, Zafra-ni, Ranniy VIR, Kirkma. Very promising and easily available is hybridization of Chinese bushcherry and the wild myrobalan plum (*Prunus divaricata*) and a more difficult but feasible hybridization of the Chinese bushcherry with Domestic prune. Aprioot, Chinese bushcherry and the wild myrobalan plum (*Prunus divaricata*) have a very short period of rest. The flower buds of these cultures differentiate rapidly in winter months. Because of this they

Card 2/3

.. 133 ..

USSR/Cultivated Plants - Fruits. Berries.

M

Abs Jour : Ref Zhur Biol., No 18, 1958, 82514

are cracked every year by late or spring frosts.
They can be recommended for production planting only
in mountain regions where the climate is more uniform
and the sharp contrasts of winter temperatures are ab-
sent. In the valleys it is better to plant cherry,
sweet cherry, peach and domestic prune. -- Ye.V.
Kolesnikov

Card 3/3

TUZ, A.S.

Pears should be used for roadside plantings. Priroda 50 no.4:110
Ap '61. (MIRA 14:4)

(Pear) (Roadside improvement)

ACC NR: AP6033308

SOURCE CODE: UR/0375/66/000/010/0022/0025

AUTHOR: Tuz, D. A. (Rear admiral; Reserve); V'yunenko, N. P. (Candidate of military sciences; Captain of first rank)

ORG: none

TITLE: Surface vessels become true above-water vessels

SOURCE: Morskoy sbornik, no. 10, 1966, 22-25

TOPIC TAGS: combatant ship, mine warfare ship, hydrofoil, antisubmarine warfare, air cushion vehicle

ABSTRACT: Modern developments in general warfare have changed the character of naval surface ships, the tactical properties of which have had to be suited to new types of missions. These include antisubmarine warfare, supporting landing operations, mine-sweeping, naval coastal communications, supplying ships at sea, and other purposes. Vessels with newly developed propulsion systems, such as hydrofoils and air cushion vehicles, have been placed into naval service. Hydrofoils in the near future will probably be used only for smaller antisubmarine defense units and as short-distance missile carriers. The military applications of air cushion vehicles includes their use for antisubmarine and landing operations and as missile and torpedo carriers. They will also be employed for naval supply, transportation, and rescue purposes. Nuclear-powered air cushion vehicles are now under design. According to calculations,

Card 1/2

ACC NR: AP6033308

for a distance of up to 50 miles a single air-cushion vehicle can transport more cargo than 5 conventional landing craft of equal load capacity. Besides their universal military use, the main value of air cushion vehicles lies in their ability to operate in shoal water.

SUB CODE: 13, 15/ SUBM DATE: none

Card 2/2

TUZ, D.A., kontr-admiral zapasa

Role of amphibious operations in a rocket and nuclear war. Mor. stor.
47 no.6;24-29 Je '64. (MIRA 18:7)

TUZ, D.A., kontr-admiral sajnos; VIKAT'YEV, I.M., kapitan 1. rangu

Battle history of the Soviet Navy. Msc. sber. 47 vols. 1953-64
Jl '64.

MAL'NEV, A.F.; KREMENCHUGSKIY, L.S.; BEREZKO, B.N.; SHEVTSOV, L.N.;
BOGDEVICH, A.G.; KIRILLOV, G.M.; CHASHECHNIKOVA, I.T.;
YARMOLENKO, N.A.; OFENGENDEN, R.G.; SERMAN, V.Z.;
DALYUK, Yu.A.; BEREZIN, F.N.; KONENKO, L.D.; SHALEYKO, M.A.;
SHEVCHENKO, Yu.S.; STOLYAROV, V.A.; KIRILLOV, G.M.; BOGDEVICH, S.F.;
LYSENKO, V.T.; BRASHKIN, N.A.; SKRIPNIK, Yu.A.; GRESHCHENKO, Ye.V.;
TUZ, R.M.; SERPILIN, K.L.; GAPCHENKO, L.M.

Abstracts of completed research works. Avtom. i prib. no.3:90-91
(MIRA 16:2)
Jl-S '62.

1. Institut fiziki AN UkrSSR (for all except Skripnik,
Greshchenko, Tuz. Serpilin, Gapchenko). 2. Kiyevskiy
politekhnicheskiy institut (for Skripnik, Greshchenko, Tuz,
Serpilin, Gapchenko).

(Research)

MOTT, N.F.; TUZ, U. [Twose, W.D.]; SANDOMIRSKIY, V.V. [translator];
GOR'KOV, V.A. [translator]; ZHDAN, A.G. [translator]

"The theory of impurity conduction". Usp. fiz. nauk 79 no.4:
691-740 Ap '63. (MIRA 16:3)
(Electric conductivity)

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001757620014-8

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001757620014-8"

L 1697-66 EWT(1)/EWA(h)
ACCESSION NR: AR5008080

S/0274/65/000/001/1085/1085
621.317.757.213

SOURCE: Ref. zh. Radiotekhnika i elektronika. Sverdnyy tom, Abs. 1A504

AUTHOR: Tolmachev, Ye. S.; Tuz, Yu. M.

TITLE: New method for increasing the sensitivity of commercial-frequency amplitude analyzers

CITED SOURCE: Tr. Kiyevsk. politekhn. in-ta, v. 42, 1963, 187-190

TOPIC TAGS: harmonic analyzer

TRANSLATION: The error caused by higher-order 1--% harmonics is equal to the error caused by 30, 15, or 10% of third-, fifth-, or seventh-harmonic, respectively. As higher harmonics are difficult to measure, a circuit is suggested which augments their content in proportion to their frequency. The circuit includes a deep-negative-feedback amplifier with an adjustable working current. An inductance in the feedback circuit ensures n-fold augmentation of the amplitude of the n-th harmonic. The measurement is made at the output of the amplifier. The signal receives the signal from the coil secondary. Simultaneously, the entire signal is also amplified. In a practical hookup, the 10-th harmonic amplitude was increased by 31.4 times, the 25-th, by 80 times.

Card 1/1 mle SUB CODE: EC

ENCL: 00

ORNATSKIY, P.P.; TUZ, Yu.M.; GRESHCHENKO, Ye.V.

Highly sensitive self-compensating millivoltmeter for 1,0 value
of precision classes. Izm. tekhn. no.8:36-39 Ag '63.
(MIRA 16:10)

L 31572-66

ACC NR: AT6008390

SOURCE CODE: UR/0000/65/000/000/0197/0202

48
B+1

AUTHOR: Greshchenko, Ye. V.; Tuz, Yu. M.

ORG: Kiev order of Lenin Polytechnic Institute (Kiyevskiy politekhnicheskiy institut)

TITLE: A highly sensitive photocompensation digital direct-current millivoltmeter

SOURCE: AN Ukr SSR. Povysheniye tochnosti i avtomatizatsiya izmeritel'nykh sistem
(Automating and increasing the accuracy of measuring systems). Kiev, Naukova dumka, 1985,
197-202

TOPIC TAGS: voltmeter, analog digital converter, photoconductor

ABSTRACT: A new millivoltmeter is proposed. It combines the advantages of compensation conversion and the use of voltage to time converter. Fig. 1 shows the voltage to time converter, (a) and the digital scaling unit (b). The photoresistor in the base circuit of P_2 is illuminated by light reflected from the galvanometer mirror. The theoretical discussion of the device and its operation is followed by a brief description of an experimental device built at the Polytechnic Institute. The voltage-time converter showed an open loop conversion coefficient of more than 1,000 for an input voltage of 1 mV thus securing a low error and high reliability of the instrument. Orig. art. has: 17 formulas and 4 figures.

SUB CODE: 14 / SUBM DATE: 25Oct65 /

Card 1/2

E-31572-66

ACC NR: AT6008390

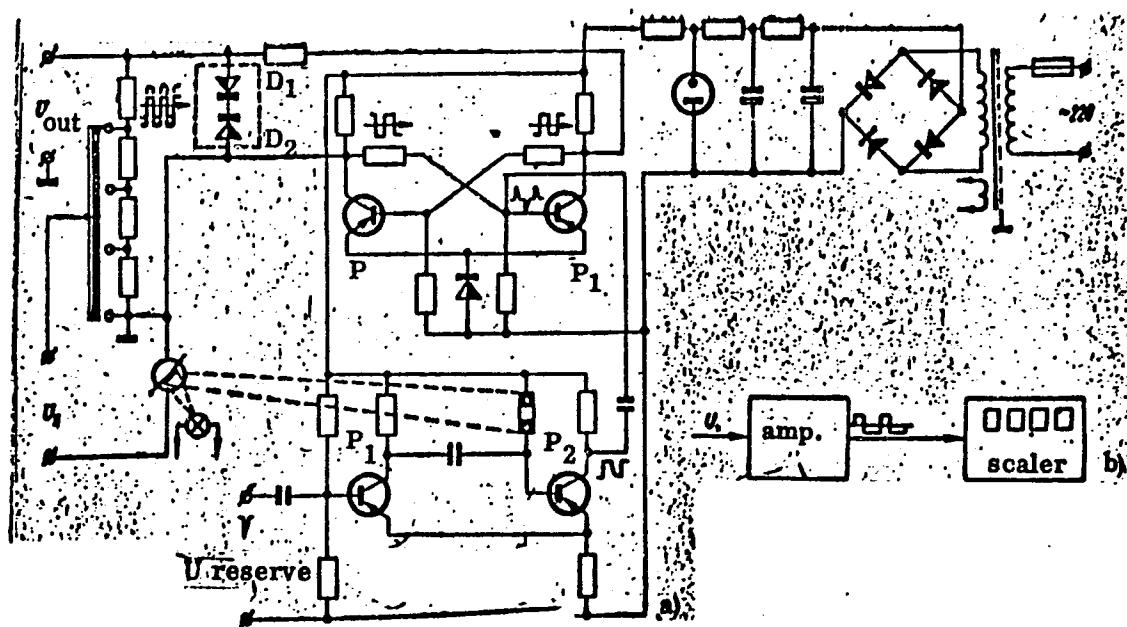


Fig. 1. Highly sensitive photocompensation digital d.c. voltmeter. ph - photoamplifier,
P - transistors, D - stabilizing limiters.
Card 2/2 LC

L 9891-66 EWT(1)/EEC(k)-2/EWA(h)

ACC NR: AP6000334

SOURCE CODE: UR/0286/65/000/021/0032/0032

20

25
B

INVENTOR: Tuz, Yu. M.

ORG: none

TITLE: Photocompensation digital dc millivoltmeter. Class 21, No. 176012

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 21, 1965, 32

TOPIC TAGS: voltmeter, millivoltmeter

ABSTRACT: This Author Certificate introduces a photocompensation digital dc millivoltmeter (see figure). It consists of a galvanometric amplifier for measuring the

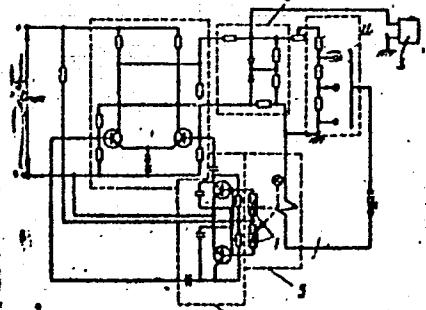


Fig. 1. Photocompensation digital dc millivoltmeter

1 - Photoresistors; 2 - multivibrator; 3 - digital counter; 4 - amplitude limiter; 5 - galvanometric amplifier.

Card 1/2

UDC: 621.317.725:621.385

L 9891-66

ACC NR: AP6000334

direct component of a pulsed voltage, a digital counter for determining the ratio of positive to negative half-periods of the pulsed voltage, and a voltage divider. To increase the accuracy and reliability of measurements, the photoresistance of the galvanometric amplifier serves as the driving resistance of a multivibrator. The output pulses of the multivibrator are passed to the digital counter and through an amplitude limiter to the galvanometric amplifier. Orig. art. has: 1 figure. [JR]

SUB CODE: 09, 14/ SUBM DATE: 15Feb64/ ATD PRESS: 4165-

CC
Card 2/2

TUZ, Yu.M.

New method for calibrating millivoltmeters with peak, error, zero,
and mean value scales. Izv. vuz. radiofiz. 20(1); radiotekhnika i
elektronika 19(1); p. 11-14. (Radio Engng. Electron. Phys.
512-516; Jl-Eng '64.)

ORNATSKIY, P.P.; SUVID, N.F.; TUZ, Yu.M.

Electromagnetic devices for measuring high frequencies.
(MIRA 14:11)
Izm.tekh. no.11:45-47 N '61.
(Frequency measurements)

SZODORAY, L.; NAGY, J.; SOVARI, Eva; TUZA, K.

Nervous changes in psoriatic papule. Acta morph. hung. 4 no.4:507-
513 1954.

1. Klinik fur Haut-und Geschlechtskrankheiten (Vorstand Prof. L.Szodoray)
und Institut fur gerichtliche Medizin (Vorstand Prof. S.Okros) der
Medizinischen Universitat, Debrecen
(NERVES, in various dis.
psoriasis)
(PSORIASIS, pathol.
nerves)

VEZEKENYI, Klara; TUZA, Klara

Cholinesterase activity in pigmented naevi. Acta morph. acad. sci. hung. 11 no.3:327-333 '62.

1. Institute of Dermatology (Director: Prof. L. Szodoray), Medical University, Debrecen, and "David Gruby" Institute for Dermatological and Venereal Diseases, Miskole.

(CHOLINESTERASE) (NEVUS PIGMENTED)

TUZA, K., MARAMAROSI, GY., OLAH, D.

"Some funfus skin and hair diseases caused by animals. p. 190. "
(NEPEGESZSEGUGY, Vol. 34, no. 7, July 1953, Budapest, Hungary.)

SO: East European, L. C. Vol. 2, No. 12, Dec. 1953.

MARAMAROSI, G.; CILAH, D.; TUZA, K.

Relating the generalized form of infantile erythema mycoticum to Leiner disease. Orv. hetil. 94 no.14:371-376 5 Apr 1953. (CIML 24:4)

1. Doctors. 2. Skin and Venereal Diseases Clinic (Director -- Prof. Dr. Lajos Szodoray), Debrecen Medical University and the National Medical Mycology Station (Head -- Prof. Dr. Daniel Olah).

+172 801 Par

The relation between vesicle formation and cell respiration. L. Szodoray, Klara Tura, A. Selenyi, and A. Kocsis (Med Univ., Debrecen) *Acta Morphol. Acad. Sci. Hung.* 6, 351-8/1958 (in German). Tetrazolium chloride was used for the histochem. detn. and the Thunberg technique for the pempthiocine detn. of dehydrogenase (I) activity. In pemphigus the I was increased in the actual blister and in its vicinity, but not in the unjured skin. Inhibition of cell respiration is evidently not a decisive factor in the mechanism of skin-blister formation. H. B. Collier

Tuza Klara, dr.
SZODORAY, Lajos, dr.; TUZA, Klara, dr.; VEZEKENYI, Klara

Evaluation of 5 years material on the melanoma cases of the
Dermatological and Venereological Clinic of Debrecen. Orv.
hetil. 98 no.10-11:239-243 17 Mar 57.

1. A debreceni Orvostudomanyi Egyetem Bor- es Nemikortani
klinikajának (igazgató: Szodoray, Lajos egyetemi tanár, az
orvostudományok doktora) közleménye.
(MELANOMA, ther.
follow-up (Hun))

HEIMECZI, Lajos, Dr.; HARASZTI, Antal, Dr.; TUZA, Klara, Dr.

Clinical observations in connection with four cases of dermatomyositis.
Orv. hetil. 99 no.14:467-473 6 Apr 58.

1. A Debreceni Orvostudomanyi Egyetem Borklinikajanak (igazgato: Szodoray
Lajos dr. egyet. tanar) es Korbonclani Intezetenek (igazgato: Endes
Pongracz dr. egyet. tanar) kozlemenye.
(DERMATOMYOSITIS, case reports
(Hun))

M.-MULLER, Iren, dr.; TUZA, Klara, dr.

Pretibial myxedema. Orv. hetil. 97 no. 15:410-412
8 Apr 56.

1. A Debreceni II. sz. Belklinika (igazgato: Petranyi, Gyula dr.
egyet tanar) es a Debreceni Borklinika (igazgato: Szodoray, Lajos dr.
egyet. tanar) kozlemenye.

(MYXEDEMA
pretibial, case report. (Hun))

(LEG, dis.
myxedema, pretibial, case report. (Hun))

SKUTTA, Arpad, dr.; TUZA, Klara, dr.

Autoplastic transplantation on the chlorophyll-treated areas.
Orv. hetil. 96 no.36:998-999 Sept 55.

1. A Debreceni Orvostudomanyi Egyetem Bor-es Nemikortani
Klinikajának (igaz: Szodoray Lajos egyet. tanár, orvostudományok
doktora) kozl.

(SKIN TRANSPLANTATION,
autogenous, on chlorophyll-treated areas)

(CHLOROPHYLL, effects,
autogenous skin transpl. on chlorophyll-treated areas)

SZODORAY, Lajos, dr.,; TUZA, Klara, dr.

Histological and biochemical differentiation of pemphigus from
dermatitis herpetiformis Duhringban. Borgyogy. vénér. szemle 9 no.4:
110-115 July 55

1. Z. debreceni Orvostudományi Egyetem Bor- és Hemikortani Klinikájának
(igazgató: Szodoray Lajos, dr. egyetemi tanár) közleménye.
(PMPHIGUS, differential diagnosis
dermatitis herpetiformis Duhringban, histol. & biochem.
aspects)
(DERMATITIS, HERPETIFORMIS, differential diagnosis
pemphigus, histol. & biochem. aspects)

HAGY, Endre, dr.,; TUZA, Klara, dr.

Perspiration decreasing action of atebrin. Borgyogy. vener. szemle
9 no.4:133-135 July 55

1. A Debreceni Orvostudomanyi Egyetem Bor- es Nemikortani Klinikajának
(igazgató: Szodoray Lajos dr. egyet. tanár) közlemenye.

(SWEATING
hyperidrosis, ther. quinacrine)
(QUINACRINE, ther. use
hyperidrosis)

TUZA, Sandor

Raw material problems of manufacturing peeled tomato products
in Hungary. Konzerv paprika no.5:165-166 S-0'63

1. Orszagos Mezogazdasagi Fajta - es Termelostechnikai Minosito
Intezet.

TUZA, Sandor

Evaluation of tomato varieties on the ground of their productivity and quality produced for the canned industry.
Konzerv paprika no.5:171-174 S-0 '62.

1. Orszagos Mezogazdasagi Fajta- es Termelostechnikai Minosito Intezet.

L 61.00-66 FMT(1)/EPA(s)-2/EPF(n)-2/T-2/ETC(m)
ACC NR: AP5026770

REF ID: UR/0286765/001/017/00537053

56
B

INVENTOR: Tuzankin, Yu. M.; Belyayev, L. A.

ORG: none

TITLE: Molecular vacuum pump. Class 27, No. 174314

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 17, 1965, 53

TOPIC TAGS: vacuum, vacuum ejector pump, vacuum pump, vacuum technology

ABSTRACT: An Author Certificate has been issued for a molecular vacuum pump incorporating a rotor. To create a radial stream of evacuated gas for increasing the evacuation speed, stationary vanes are mounted in the housing along a concentric periphery parallel to the pivotal axis of the rotor, and interspersed with the rotor's working blades (see Fig. 1). The following variants are given: 1) to de-

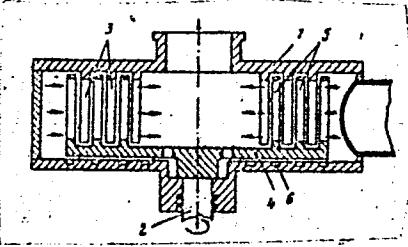


Fig. 1. Molecular vacuum pump

1 - Housing; 2 - pivotal axis of rotor; 3 - stationary vanes; 4 - rotor disk; 5 - working blades; 6 - spiral channels.

UDC: 621.521

621.527.8

621.524.1

0901 1729

Card 1/2

L 6409-66

ACC NR: AP5026770

crease the clearance between the rotor disk and the housing, the latter can be provided with spiral-shaped channels directed from the center to the periphery; 2) to evacuate with two radial streams, double stationary and working blades can be used; 3) to increase pumping efficiency, two or more rotors operating opposite one another can be provided. Orig. art. has: 1 figure. [KT]

SUB CODE: 13 / SUBM DATE: 24Apr64 / ATD PRESS: 4189

BC
Card 2/2

L 15361-66 EWT(d) IJP(c)
ACC NR: AP5020382

SOURCE CODE: CZ/0088/65/000/004/0324/0332

42
B

AUTHOR: Tuzar, A.

ORG: Institute of Information Theory and Automation CSAV, Prague (Ustav teorie informace a automatizace CSAV)

TITLE: Transformation of the Laplace transform into a discrete transformation

SOURCE: Kybernetika, no. 4, 1965, 324-332

TOPIC TAGS: Laplace transform, digital computer, function theory

ABSTRACT: A method of computing a discrete transformation function when the Laplace transform of the system is known is given. The method is based on the relationship between the system response and the expansion of the transform in powers of z^{-1} . The transform is expanded into partial fractions and a subprogram for dividing polynomials and computing the remainder of the division is given. A flow chart of the program for this method, as developed for the Ural 1 computer, is shown. The original program was developed for a computer with a floating point. Since the Ural 1 uses only a fixed point, the program requires approximately 1500 instructions.

Card 1/2

2

L 15361-66
ACC NR: AP5020382

The use of a computer with a floating point would cut the number of instructions in half. Orig. art. has: 19 formulas, 3 figures.

SUB CODE: 09,12/ SUBM DATE: 13Nov64/ ORIG REF: 001/ OTH REF: 003

Card 2/2 *SC*

TUZHIK, S.K., kand.tekhn.nauk, dotsent

Mathematical modeling of transients in a generator with a
self-exciting system of excitation. Izv.vys.ucheb.zav.;
energ. 8 no.12:87-91 D '65. (MIRA 19:1)

1. Leningradskoye vyssheye voyenno-morskoye inzhenernoye
uchilishche. Submitted November 28, 1964.

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001757620014-8

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001757620014-8"

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001757620014-8

plants being attacked in the area

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001757620014-8

A T T A C K S O N R E P U B L I C

U.S. AIR FORCE

INTELLIGENCE INFORMATION REPORT
TO THE UNITED STATES AIR FORCE

SOURCE: IVUZ. Elektrosvestnik, No. 2, 1914, 243-251

ATTACKS ON REPUBLIC

BY ELECTRO-AGENCY

ABOVE REPORT IS BASED ON INFORMATION RECEIVED FROM
THE IVUZ. INTELLIGENCE INFORMATION REPORTS ARE
MADE PUBLIC BY THE IVUZ. INTELLIGENCE INFORMATION REPORTS ARE
MADE PUBLIC BY THE IVUZ.

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001757620014-8

Card 172

ACCESSION NO. A710442

also on the alternating current records

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001757620014-8"

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001757620014-8

ACCESSIONED: A 04042800

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001757620014-8"

TUZHIK, S.K.

Equations of a self-exciting synchronous generator. Izv. vye.
ucheb. zav.; elektromekh. 7 no.6:665-673 '64. (MIRA 17:7)

TUZHIKOV, V.L.

Studying the individual variability of chamomile (*Matricaria chamomilla*). Biul. Glav. bot. sada no.57:102-103 '65. (NIRA 12:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut lekarstvennykh i aromaticeskikh rasteniy, Moskva. /

L 8171-66 EWT(1)/EWA(h)

ACC NR: AP5025061

SOURCE CODE: UR/0266/65/000/016/0105/0105

AUTHOR: Tuzhilkin, Yu. I.

ORG: none

TITLE: Device for measuring the normalized correlation envelope function. Class 42,
No. 174009

SOURCE: Byulleten' isobreteniy i tovarnykh znakov, no. 16, 1965, 105

TOPIC TAGS: correlation function, logic circuit

ABSTRACT: This Author Certificate presents a device for measuring the normalized correlation envelope function, containing a correlator operating on the principle of sign coincidence. To increase the reliability and to broaden the limits of possible application, the undelayed signal is fed to a coincidence circuit through a 90°-phase shifter and amplifier-limiter. The delayed signal from the amplifier-limiter output of the correlator is fed to the other input of the coincidence circuit (see Fig. 1). Integrators, detectors, a summator of the detector output signals, and a total signal integrator are connected to the outputs of the correlator and the coincidence circuit. The detector characteristic is quadratic in the initial portion

Card 1/2

UDC: 681.142

L 8171-66

ACC NR: AP5025061

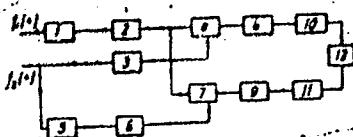


Fig. 1. 1- variable delay line; 2 and 3- amplifier-limiters; 4- coincidence circuit; 5- phase shifter; 6- amplifier-limiter; 7- coincidence circuit; 8 and 9- integrators; 10 and 11- detectors; 12- summator; 13- output integrator

and linear for values close to one of the envelope. Orig. art. has: 1 diagram.

SUB CODE: EC, MA/

SUBM DATE: 13Jun64

RW
Card 2/2

TRANSLATED FROM RUSSIAN

ACCESSION NR: AR4027228

S/0299/64/000/002/M015/M015

SOURCE: RZh. Biologiya, Abs. 2M76

AUTHOR: Tuzhilikova, T. N.

TITLE: Effect of x-rays on regeneration of skeletal muscle after single or repeated irradiation

CITED SOURCE: Tr. Kafedry* normal'n. anatomii cheloveka. Chelyab. med. in-t, vyst p. 2, 1963, 194-198

TOPIC TAGS: radiation, muscle, muscle regeneration, radiation sickness, radiation resistance

ABSTRACT: Sixty adult rats were divided into three groups. In the first group, regeneration of the shin muscle was studied following transverse section at a depth of 3 mm (controls). In the second group, the same operation was carried out 24 hours after the last of a series of daily irradiations of the limbs of 100 r each for 1 month (total dose 3000 r). In the third group, transverse section of the muscle was carried out 24 hours after a single irradiation of the extremity with a dose of 3000 r. The irradiated and non-irradiated extremities were examined at 5, 10, 20 and 30 days after the operation. Repeated or single irradia-

Card 1/2

ACCESSION NR: AR4027228

tion of the shin with a dose of 3000 r inhibited regeneration of the traumatized muscle. Thus, in the extremities of non-irradiated controls, the degenerative, inflammatory, and proliferative processes were completed by the sixth day, whereas in extremities receiving a single x-ray dose, degenerative processes were prolonged, and resorption of decay products was slow. After a single x-ray dose healing was observed 10-20 days after damage, and consisted of splitting of muscle fibers and enlargement of their nuclei, without subsequent formation of muscular buds. There was no regeneration of muscle fibers. A similar healing pattern was observed in extremities irradiated with repeated fractionated doses, although here the inflammatory reaction was less intense. On the 30th day, the site of the defect in irradiated extremities was filled with a connective tissue scar, but not with muscular tissue. In the author's opinion, x-irradiation suppresses muscle regeneration whether in single or in repeated fractionated doses. V. Sidorova

DATE ACQ: 14Feb64

SUB CODE: LS

ENCL: 00

Card 2/2

ACCESSION NR: AR4027242

S/0299/64/000/002/P069/P069

SOURCE: Rzh. Biologiya, Abs. 2P436

AUTHOR: Tuzhikova, T. N.

TITLE: (2P436) Injury to the thyroid gland caused by ionizing radiation

CITED SOURCE: Tr. Kafedry* normal'n. anatomii cheloveka. Chelyab. med. in-t,
vy*p. 2, 1963, 181-187

TOPIC TAGS: radiation, thyroid, radiation damage, tissue regeneration, mitosis

ABSTRACT: The thyroid glands of rats were x-irradiated with doses of 1000 r. On the day after irradiation there was decreased mitotic activity in the epithelium and fragmentation of the nuclei. The central folliculi were decreased in size, but the tall epithelium was preserved. Three days later the changes were of a degenerative type, some folliculi in the zone of injury contained a viscous vacuolated colloid, while others were filled with desquamated epithelial cells. On the fifth day the degenerative changes occupied a large part of the thyroid. After 7-10 days the folliculi enlarged in size, the epithelium was flattened, and the colloid was thick. On the 15th-20th day there was restoration of structure and of colloid formation. Around the 30th day normalization of thyroid structure was noted. How-

Card 1/2

ACCESSION NR: AR4027242.

ever, in some animals, thyroid function was increased at about 2 months. B.
Davydov

DATE ACQ: 14Feb64

SUB CODE: LS

ENCL: 00

Card 2/2

137-58-4-6687

Translation from: Referativnyy zhurnal. Metallurgiya, 1958, Nr 4. p 54 (USSR)

AUTHORS: Tuzankin, N. M., Gorin, V. K., D'yakonov, A. I.

TITLE: Car-bottom Slag Pockets for Rapid Slag Removal Regardless of its State of Aggregation (Vydvizhnyye shlakoviki dlya bystrogo udaleniya shlaka pri lyubom agregatnom sostoyanii)

PERIODICAL: Sb. nauchn. tr. Magnitogorskiy gornometallurg. in-t 1957.
Nr 11, pp 77-84

ABSTRACT: The design of car-bottom slag pockets for open-hearth furnaces developed by the Magnitogorsk gornometallurg. in-t (Institute of Metallurgy and Mining) is described. The receiving element (RE) in the form of a lined metal box is mounted on a carriage, and is rolled out by a crane onto the pouring platform. The tops of the slag pockets rest on horizontal beams borne in turn by metal columns fixed into the foundation. Reinforcing wedges 50-80 mm high are provided between the carriage and the RE. After they are pulled out by a crane, the RE, which has fused to the roof of the slag pocket pulls away under the effect of its own weight. The RE is calculated to take 250-270 heats. The weight of a full RE is 200-250 t. The force to roll it clear

Card 1/2

137-58-4-6687

. Car-bottom Slag Pockets (cont.)

from the roof is 3-5 t and the time required for replacement during repairs when the furnace is shut down, is 3-4 hours. For future open-hearth furnaces, a sunken type of slag pocket is proposed, with the RE removed to the slag dump along inclined tunnels below the pouring platform. The benefits provided by car-bottom slag pockets are: elimination of the need to drill and fire charges to clean slag pockets, complete mechanization of slag removal, elimination of the partitions between gas and air slag pockets, and reduction in repair time and in open hearth furnace down time.

A. D.

1. Equipment--Design 2. Equipment--Operation 3. Slags--Removal--Processes

Card 2/2

TUZAR, Antonin, promovany matemetik

Examples of scientific and technical calculations made on the
automatic computer Ural 1. Tech praca 14 no.3:186-190 Mr 1/2.

1. Ustav teorie informace a automatizace, Ceskoslovenska akademie
ved, Praha.

TUZAR, Antonin, promovany matematik

Methods of preparing programs for automatic computers. Tech
praca 14 no.8:595-597 Ag '62.

1. Ustav teorie informace a automatizace, Ceskoslovenska akademie
ved, Praha.

Z/047/62/000/003/001/002
D006/D102

AUTHOR: Tuzar, Antonin, Graduate Mathematician

TITLE: Examples of scientific-technical calculations with the Ural 1
automatic computer

PERIODICAL: Technická práce, no. 3, 1962, 186-190

TEXT: A Soviet Ural 1 automatic computer has been operated since 1959 and 1960 at the výpočtové středisko Ústavu teorie informace a automatizace ČSAV (Computation Center, Institute of Information Theory and Automation, Czechoslovak AS) and the Výzkumný ústav technicko-ekonomický chemického průmyslu (Chemical Industry Technical-Economical Research Institute) in Prague, respectively. The Ural 1 is a small, universal, electronic, automatic computer, capable of 100 operations per sec. It is designed for scientific-technical calculations and is not suitable for more complicated tasks, such as machine translations, large systems of linear equations, strategic plays, etc. The computer has so far been used for calculation of nearly 200 specific problems in the following fields: (1) Automatic regulation; (2) design engineering (e.g. gas-turbine characteristics); (3) construction engineering (e.g.

Card 1/2

Z/047/62/000/003/001/002

D006/D102

Examples of scientific-technical....

calculation of exothermic effects in concrete setting); (4) transportation problems; (5) nuclear reactor engineering (e.g. calculation of neutron-flux distribution in a homogenous reactor); (6) astronautics (e.g. calculation of the path of an artificial satellite); (7) biochemistry (e.g. calculation of carcinogenic effects of certain organic substances); (8) pure mathematics; (9) statistics. There are 4 figures and 1 table.

ASSOCIATION: Ústav teorie informace a automatizace CSAV (Institute of Information Theory and Automation, Czechoslovak AS), Prague

Card 2/2

TUZAVA, R.V., kandidat vetyvynarmykh navuk.

Methods for combating tuberculosis in birds. Vestsi AN BSSR Ser.
bibal.nav.no.1:129-133 '56. (MIRA 9:9)
(Tuberculosis in poultry)

TUZBAYA, G.P.

Therapeutic properties of TSaishi mineral waters. Vop. kur.,
fizioter. i lech. fiz. kul't. 27 no.5:449-450 S-0'62.
(MIRA 16:9)
(TSAISHI--MINERAL WATERS)

TUZENKO, A.K., inzh.

Work in the field of creating underwater tankers abroad.
Sudostroenie 25 no.6:45-46 Je '59. (MIRA 12:9)
(Tank vessels) (Submarine boats)

TUZENKO, A.X., insh.

Growth of shipbuilding in the People's Republic of Bulgaria.
Sudostroenie 24 no.8:70-73 Ag '58. (MIRA 11:10)
(Bulgaria—Shipbuilding)