"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

VELICHKO, M., kolkhoznik; YAREMENKO, M., kolkhoznik;

Our village gets new buildings. Sil'. bud. 11 no. 2:5 F '61. (MIRA 14:2)

(Cherkassy District—Building)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

VELICHKO, M. A.

25637 VELICHKO, M. A. i MOKEYEVA, T. M. O nekotorbkh kharakternbkh osobennostyakh i funktsii, kishechnika gribzunov. Trudy Vsesoyuz. in-ta. zashchitb rastenii, vbp. 2, 1949, s. 157-61

SO: Letopis' Zhurnal' Nykh Statey, Vol. 34, Moskva, 1949.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

VELICHKO, M.A.

Biology of the reproduction of waymack in Leningrad Province. Uch. zap Ped. inst. Gerts. 230:3-17 '63. (MIRA 18:3)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

VELICHKO, M.A.

USSR/ Biology-Zoology

Card : 1/1

Authors : Velichko, M. A.

Title : Nesting of wrynecks

Periodical : Priroda, 6, 119 - 120, June 1954

Abstract : Scientific observations on the nesting of wryneck birds of the Jynx Torquilla L. family.

Institution : State Pedagogical Institute, Leningrad

Submitted : ....

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

VELICHKO, M.V.; RADUSHKEVICH, L.V.

Properties of a hydrodynamic stream flowing around tiny stationary obstacles and the effectiveness of the capture of aerosol particles. Dokl. AN SSSR 154 no.2:415-418 Ja'64. (MIRA 17:2)

1. Institut fizicheskoy khimii AN SSSR. Predstavleno akademikom M.M. Dubininym.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

VELICHKO, M. V.

42

PHASE I BOOK EXPLOITATION SOV/5590

Konferentsiya po poverkhnostnym silam. Moscow, 1960.

Issledovaniya v oblasti poverkhnostnykh sil; sbornik dokladov na konferentsii po poverkhnostnym silam, aprel' 1960 g. (Studies in the Field of Surface Forces; Collection of Reports of the Conference on Surface Forces, Held in April 1960) Moscow, Izd-vo AN SSSR, 1961. 231 p. Errata printed on the inside of back cover. 2500 copies printed.

Sponsoring Agency: Institut fizicheskoy khimii Akademii nauk SSSR.

Resp. Ed.: B. V. Deryagin, Corresponding Member, Academy of Sciences USSR; Editorial Board: N. N. Zakhavayeva, N. A. Krotova, M. M. Kusakov, S. V. Morpin, P. S. Prokhorov, M. V. Talayev and G. I. Fuks; Ed. of Publishing House: A. L. Bankvitser; Tech. Ed.: Yu. V. Rylina.

PURPOSE: This book is intended for physical chemists.

Card 1/8

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

Studies in the Field of Surface Forces (Cont.) SOV/5590

COVERAGE: This is a collection of 25 articles in physical chemistry on problems of surface phenomena investigated at or in association with the Laboratory of Surface Phenomena of the Institute of Physical Chemistry of the Academy of Sciences USSR. The first article provides a detailed chronological account of the Laboratory's work from the day of its establishment in 1935 to the present time. The remaining articles discuss general surface force problems, polymer adhesion, surface forces in thin liquid layers, surface phenomena in dispersed systems, and surface forces in aerosols. Names of scientists who have been or are now associated with the Laboratory of Surface Phenomena are listed with references to their past and present associations. Each article is accompanied by references.

TABLE OF CONTENTS:

Zakhavayeva, N. N. Twenty-Five Years of the Laboratory of Surface Phenomena of the IFKhAN SSSR (Institute of Physical Chemistry of the Academy of Sciences USSR) 3

Card 2/8

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

Talayev, M. V., B. V. Deryagin, and N. N. Zakhavayeva. Experimental Study of the Filtration of Rarefied Air Through Porous Bodies in a Transitional Area of Pressures 187

Deryagin, B. V., N. N. Zakhavayeva, M. V. Talayev, B. N. Parfanovich, and Ye. V. Makarova. Metallic Device for Determining the Specific Surface of Powdered and Porous Bodies 190

V. SURFACE FORCES IN AEROSOLS

Deryagin, B. V., S. P. Bakanov, S. S. Dukhin, and G. A. Batova. Diffusiophoresis of Aerosol Particles 197

Bakanov, S. P., and B. V. Deryagin. Behavior of a Small Aerosol Particle in a Nonuniformly Heated Mixture of Gases 202

Strozhilova, A. I. Differential Counter of Condensation Nuclei 209

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

Studies in the Field of Surface Forces (Cont.) SOV/5590

Deryagin, B. V., P. S. Prokhorov, M. V. Velichko, L. F. Leonov. New Method For Obtaining Constant and Homogenous Supersaturations 216

Martynov, G. A., S. P. Bakanov. On the Solution of a Kinetic Equation of Coagulation 220

AVAILABLE: Library of Congress

Card 8/8

JA/rsm/os
10/26/61

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

DERYAGIN, B.V.; PROKHOROV, P.S.; VELICHKO, M.V.; LEONOV, L.F.

Diffusion chamber with a supersaturated condition constant in volume and time. Prib.i tekh.eksp. no.2:45-47 Mr-Ap '60. (MIRA 13:7)

1. Institut fizicheskoy khimii AN SSSR.
(Cloud chambers)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

RADUSHKEVICH, L.V.; VELICHKO, M.V.

Theory of precipitation of highly dispersed aerosols from a flow on an ultrathin cylinder. Dokl. AN SSSR 146 no.2:406-408 S '62. (MIRA 15:9)

1. Institut fizicheskoy khimii AN SSSR. Predstavleno akademikom M.M. Dubininym.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

82880

24,6810

S/120/60/000/02/011/052
E032/E314

AUTHORS: Deryagin, B.V., Prokhorov, P.S., Velichko, M.V. and Leonov, L.F.

TITLE: A Diffusion Chamber with Supersaturation Which is Constant Both in Space and Time

PERIODICAL: Pribory i tekhnika eksperimenta, 1960, No 2, pp 45 - 47 (USSR)

ABSTRACT: The supersaturation in a Wilson chamber disappears rather rapidly owing to the unavoidable condensation of vapour on the walls and also due to heat transfer. In diffusion chambers supersaturation is constant in time, but not in space. The method suggested in the present paper is free from these two disadvantages and can be used to obtain supersaturation which is constant both in time and in space. The idea is to use a periodic variation of the temperature of the walls of the chamber. The problem is formulated as follows. It is assumed that the walls are always moist and the flow of liquid down the walls can be neglected. Under these conditions the thickness of the layer of moisture is constant. If one neglects the heat transfer

Card1/5

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

82880

S/120/60/000/02/011/052
E032/E314

A Diffusion Chamber with Supersaturation Which is Constant Both in Space and Time

associated with diffusion then the periodic change in the temperature of the walls will produce a heat wave propagated into the chamber. If the temperature of the walls is known then one can calculate the density of the vapour as a function of time. If the period of the temperature oscillations on the walls of the chamber is taken to be sufficiently short, then the temperature and diffusion waves are damped out in the neighbourhood of the walls and most of the volume of the chamber is maintained at an average temperature and density which can be expressed in terms of the temperature variation on the walls. If the amplitude of the temperature oscillations on the walls is small, the mean density of vapour in the chamber will be equal to the saturation vapour density at the average temperature of the walls and, consequently, the supersaturation will be equal to unity. At larger amplitudes of the temperature oscillations, the supersaturation will be greater than unity.

Card2/5

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

82880

S/120/60/000/02/011/052
E032/E314

A Diffusion Chamber with Supersaturation Which is Constant Both in Space and Time

The supersaturation will increase with the amplitude of the oscillations in the temperature of the walls. A chamber based on these ideas is shown in Figure 2. The working walls 1 were made of aluminium foil 0.05 mm in thickness and were in the form of squares 200 x 200 mm. These walls were attached to the perspex frame 2 which was 50 mm thick. The heat waves are practically damped out at a distance of 3 mm from the wall when the period of 1 sec is used. The side walls formed by the frame are kept at the average temperature of the chamber. This tends to reduce side effects but does not eliminate them altogether, so that the working volume is smaller than the geometrical volume. The heat was applied by passing short but large current pulses (of the order of a few hundred amperes) through leads in thermal contact with the aluminium walls. The heat was removed by copper vessels 6 (Figure 2) filled with a mixture of acetone or alcohol and solid carbon dioxide. The thermal contact between the refrigerator and the aluminium wall

Card3/5

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

82880
S/120/60/000/02/011/052
E032/E314

A Diffusion Chamber with Supersaturation Which is Constant Both in Space and Time

of the chamber was through a thin paper layer 7 . The rate of cooling could be adjusted by varying the thickness of this paper. This construction was used to obtain a temperature change of ± 3 °C with a period of 1 sec at an average temperature of 20 °C. The chamber was heated for 0.2 sec and cooled for 0.8 sec. The supersaturation in the chamber calculated from these data should be about 1%. In order to increase the degree of supersaturation, a larger amplitude in the temperature oscillations is required. The chamber can be used to reproduce slow atmospheric processes since the supersaturation in the formation of clouds is usually 0.1% and only relatively rarely exceeds 1%. Figure 3 shows the dependence of the supersaturation on the temperature amplitude for different average temperatures.
There are 3 figures.

Card 4/5

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

82880

S/120/60/000/02/011/052
E032/E314

A Diffusion Chamber with Supersaturation Which is Constant Both in Space and Time

ASSOCIATION: Institut fizicheskoy khimii AN SSSR (Institute of Physical Chemistry of the Academy of Sciences of the USSR)

SUBMITTED: March 9, 1959

Card 5/5

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

VELICHKO, N.

Let's complete training successfully. Voen. znan. 41 no.4:14-15 Ap '65. (MIRA 18:3)

1. Nachal'nik upravleniya grazhdanskoy oborony TSentral'nogo komiteta Vsesoyuznogo dobrovol'nogo obshchestva sodeystviya armii, aviatsii i flotu.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

S/017/63/000/00:./004/004
A004/A126

AUTHOR: Velichko, N., Head of the Board of Civil Defense TsK DOSAAF

TITLE: Train everybody!

PERIODICAL: Voyennyye znaniya, 39- no. 1, 1963, 35 - 36

TEXT: The author describes measures that are being taken to prepare the Soviet population for civil defense. He enumerates the various DOSAAF Rayon and Oblast' Committees that are especially active in this respect and mentions also those districts of the Soviet Union where civil defense preparations have been neglected and are still inadequate. He then dwells on the training program, describes in detail purely administrative measures and points out that the new training program provides that everybody receives a basic training of 19 hours. As of July 1, 1963, one instructor is scheduled for 50 trainees each, while with the Soviet Red Cross Organization, there is one instructor for 100 persons each.

Card 1/1

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

US, Ye.M.; VELICHKO, N.D.; MARKOVSKAYA, Ye.S.

Some data on the efficiency of chromatographic analysis in gas logging in the oil fields of the western Kuban. Geol. nefti i gaza 8 no.5:44-48 My '64. (MIRA 17:9)

1. Severo-Kavkazskiy sovet narodnogo khozyaystva.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

MARKARYAN, Ye.A., podpolkovnik meditsinskoy sluzhby; NEBOYALOV, N.N., mayor meditsinskoy sluzhby; ZAGORUYCHENKO, V.S., kapitan meditsinskoy sluzhby; VELICHKO, N.D., kapitan meditsinskoy sluzhby

Mass investigation of troop replacements for carriage of helminths. Voen.-med. zhur. no.4:83 Ap '61. (MIRA 15:6)
(WORMS, INTESTINAL AND PARASITIC)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

137-58-4-8686

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 4, p 338 (USSR)

AUTHORS: Korobova, I.A., Velichko, N.G.

TITLE: Determination of Total Phosphorus Content in Metallic Granular Zinc (Free of Arsenic) by Chipless Colorimetry [Opredeleniye obshchego soderzhaniya fosfora v metallicheskom granuliro-vannom tsinke (ne soderzhashchem mysh'yaka) metodom bes-struzhkovoy kolorimetrii]

PERIODICAL: Tr. Ural'skogo politekhn. in-ta, 1957, Nr 69, pp 137-142

ABSTRACT: In distinction from the method in GOST (standard) 989-41 it is proposed to employ the reaction of ammonium phosphomolybdovanadiate formation with subsequent reduction of the Mo to a blue complex. To perform the analysis, 1 g Zn is dissolved in 8-10 cc HNO_3 (sp. gr. 1.2), and 3-5 drops 0.5% $KMnO_4$ solution are added to the hot solution, whereupon boiling is performed until the solution starts to cloud. Then 1-2 drops of 3% H_2O_2 is added, and the whole transferred to a 10-cc cylinder, while a solution containing $5 \cdot 10^{-7}$ g/cc P is placed in another such cylinder. 1% ammonia and 1-2 drops H_2SO_4 (1:3) are added to both cylinders, and the whole is diluted with water to 2 cc.

Card 1/2

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

137-58-4-8686

Determination of Total Phosphorus (cont.)

Then 0.1 cc of a mixture of ammonium molybdate and vanadate is added to each. After 5 min, 10 drops of (1:3) H_2SO_4, 3 drops of 1% $SnCl_2$ solution, and 10 drops of saturated CH_3COONa solution are added to each. The colors are then matched by adding water, and the P content is determined. The disagreement with GOST 989-41 was 0.00003% P.

1. Phosphorus--Determination 2. Phosphorus--Colorimetric analysis
3. Ammonium phosphomolybdovanadiate--Chemical reactions

Z.G.

Card 2/2

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

VEILCHKO, N.

Extension of mappings of topological spaces. Sib. mat. zhur. 6 no.1:64-69 Ja-F '65. (MIRA 18:4)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

VELICHKO, N.N.; YAREMENKO, M.Ya.

Two hundred and thirty-three eggs per laying hen. Ptitsevodstvo 9 no.4:20-21 Ap '59. (MIRA 12:6)

1.Chleny sel'khozarteli imeni Stalina, Cherkasskogo rayona, Cherkasskoy oblasti, USSR.
(Poultry)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

LYSACHENKO, Ivan Ageyevich; VELICHKO, N.N., red.; SLUTSKIN, A.A., tekhn. red.

[Electric and radio engineering insulating materials] Elektro-radioizoliatsionnye materialy. Moskva, Sviaz'-izdat, 1963. 134 p. (MIRA 16:9)
(Electric insulators and insulation)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

MIKHAYLOV, P.M.; VELICHKO, O.Ch.

Spectral determination of nickel, copper, iron, manganese and silicon in metallic cobalt. Zav.lab.22 no.11:1307-1310 '56. (MLRA 10:2)

1. Kombinat "Severonikel'."
(Cobalt--Analysis) (Silicon--Spectra) (Metals--Spectra)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

VELICHKO, O.Ch.

Spectrum analysis techniques used at the Severonikel' Works.
Izv.AN SSSR.Ser.fiz.19 no.2:156-158 Mr-Ap '55. (MLRA 9:1)
(Tartu--Spectrum analysis--Congresses)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

VELICHKO, P.

VELICHKO, P., podpolkovnik.

Captain Rybin, commander of a leading company. Voen.-inzh. zhur. 101 no.10:32-33 O '57. (MLRA 10:11)

(Rybin, S.A.)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

VELICHKO, P.K.

Perennial grasses in the southwestern zone of Kustanay Province.
Zemledelie 6 no.10:86-87 O '58. (MIRA 11:11)

1. L'vovskoye opytnoye pole Kustanayskoy oblasti.
(Kustanay Province--Grasses)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

VELICHKO, P.O. [Velychko, P.O.]

How we organize the renting out of machinery. Mekh.sil'.hosp. 9 no.12:12-14 D '58. (MIRA 12:1)

1. Direktor Bereznyanskoy remontno-traktornoy stantsii, Chernigovskaya oblast'.
(Agricultural machinery) (Berezna District--Repair and supply stations)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

VELICHKO, P.P.; ZAVERTAYLO, V.P.

Two-position SDU2 welding equipment. Avtom. svar. 18 no.10:74 O '65. (MIRA 18:12)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

VELICHKO, P.Ye., inzh. (g. Zaporozh'ye).

Induction mixing of metal in arc furnaces and a pilot plant. Elektrichestvo no.2:34-40 F '58. (MIRA 11:2)
(Steel--Metallurgy) (Electric furnaces)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

VELICHKO, S.

Shortcomings in planning. Mias.ind.SSSR 26 no.5:31 '55. (MLRA 9:2)
(Dneprepetrovsk--Packing houses)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

GAVRILOV, V.G.; VELICHKO, S.A.

Effect of the preliminary thermal destruction on oxidizability of methane hydrocarbons. Zhur. ob. khim. 28 no. 8:2100-2101 Ag '58. (MIRA 11:10)

1. Leningradskiy gosudarstvennyy universitet.
(Methane)
(Oxidation)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

LYULINSKIY, Z.P., inzh.; VELICHKO, T.G., inzh.

Coating cast-iron pressure pipes with compositions based on petroleum bitumens. Mashinostroenie no.4:87 Jl-Ag '63. (MIRA 17:2)

1. Makeyevskiy truboliteynyy zavod.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

MIZYUK, Leonid Yakovlevich; VELICHKO, Yu.T., prof., retsenzent; MIKHAYLOVSKIY, V.N., otv. red.; YEVSEYENKO-MISYURENKO, I.V., red.

[Input converters for measuring the intensity of low-frequency magnetic fields] Vkhodnye preobrazovateli dlia izmereniia napriazhennosti nizkochastotnykh magnitnykh polei. Kiev, Naukova dumka, 1964. 166 p. (MIRA 17:12)

1. Chlen-korrespondent AN Ukr.SSR (for Mikhaylovskiy).

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

VELICHKO, V.

Northern lights Moskva Pravda, 1946. 37 p. (48-17219)

DK511.P17V4

1. Pechora, Russia (Region)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

VELICHKO, V.; SAKHRANOVA, T.P., redaktor; KALACHEV, S.G., tekhnicheskiy redaktor.

[Conquest of the Kara Kum; description] Pokorenie Kara-Kumov; ocherk. Moskva, Voennoe izd-vo Voennogo ministerstva SSSR, 1951. 79 p. [Microfilm] (MLRA 7:10)
(Kara Kum Canal)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

VELICHKO, V., polkovnik zapasa

Irreconcilability to violations of the norms of communist morals. Komm. Vooruzh. Sil 5 no. 9:45-49 O '64. (MIRA 17:12)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

VELICHKO, V. A.

VELICHKO, V. A.

AUTHOR: Podobedov, N. S., Docent SOV/154-58-2-13 2.

TITLE: Chronicle (Khronika) I

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Geodeziya i aerofotos"yemka, 1958, Nr 2, pp 107-109 (USSR)

ABSTRACT: More than 500 specialists participated in the scientific and technical conference on geodesy, aerophotography, and cartography held from October 24 to 28, 1957. The following persons spoke in the plenary sessions of the conference: A. N. Baranov, Head of the GUGK, on: "Soviet Geodesy, Aerophotography, and Cartography over the Past Forty Years." A. S. Nikolayev, Major-General of the Technical Troops: "The Part Played by Geodesy in the Defense of the USSR." Professor G. V. Romanovskiy: "The Present State and Perspective Development of Aerophotography in the USSR." Professor P. S. Zakatov: "The Present State and Fundamental Tasks of Geodetic Instruction in the USSR." Docent N. S. Podobedov: "Today's Topographical Maps and the Fundamental Problems and Ways of Perfecting the Maps." Ya. I. Bulanshe, Doctor of Physical-Mathematical Sciences: "Soviet Participation in the International Geophysical Year." In the section on geodesy reports were given by the following persons: V. A.

Card 1/3

Velichko, Candidate of Technical Sciences, reported on "The Use of Light Locations for the Establishment of Geodetic Nets." S. V. Yeliseyev, Docent, spoke on "The Tasks and Present State of Production of Geodetical Instruments." Docent A. N. Kuznetsov reported on "The Present State and Possibilities of Development of Astronomy." Engineer V. I. Shillinger spoke on "The Present State and Possibilities for Development of Terrain Leveling Instruments." In the section on aerophotographical geodesy Professor M. D. Kenshin gave a lecture on "The Determination of the Outer Orientation of Flying Elements, and Methods for Evaluating the Precision of the Instruments Used." Docent A. I. Shershen' reported on "The Basic Tasks of Further Developing Aerial Cameras." Engineer I. D. Kargopolov spoke on "The Rectification of Photogrammetrical Nets." L. M. Gol'dman, Candidate of Geographical Sciences, dealt with the problems of topographical deciphering of aerial photographs. In the section on cartography Docent F. A. Starostin spoke on "The Fundamental Problems of Mathematical Cartography." Professor Yu. V. Filippov discussed the achievements and prospects in the field of maps and atlantes in the USSR. P. K. Koldayev, Candidate of Technical Sciences, spoke on "Ways and Means for Perfecting the Stereo-

Card 2/3

scopic Reproduction of the Map Relief." Docent I. P. Zarutskaya spoke on "Cartographing Climatic Conditions in the USSR." M. P. Barayukov, Candidate of Technical Sciences, reported on "Non-Argentiferous Photosensitive Layers and Transparent Bases in Cartography." Engineer B. A. Merzulov spoke on "The Application of Microfilm Photographs in Cartography."

Card 3/3

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

VELICHKO, V.A

SOV/154-58-2-17/22

AUTHOR: Bel'shakov, V. D., Candidate of Technical Sciences

TITLE: Scientific and Technical Conference of the MIIGA i K (Nauchno-tekhnicheskaya konferentsiya MIIGA i K) II

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Geodeziya i aerofotos"yemka, 1958, Nr 2, pp 114-115 (USSR)

ABSTRACT: G. A. Ginzburg, Docent, Candidate of Technical Sciences, spoke on "The Relations Between Distortions in Cartographic Projections." L. A. Bogomolov, Candidate of Technical Sciences, reported on "Topographical Deciphering From the Airplane and Helicopter of Aerial Photographs in Cartographing Inaccessible Regions." A. S. Tolstoukhov, Assistant, spoke on: "The Relief Reproduction of Planes on Topographical Maps (Scale 1 : 10 000 000)." G. D. Rikhter, Professor, Doctor of Geographical Sciences, dealt with the basic geographic structure of Antarctica and the consequent cartographical peculiarities of the region.

Card 1/3

Engineer Ye. M. Feklistov reported on the conference held in the MIIGA i K (Moscow Engineering Institute of Geodesy, Aerophotography, and Cartography) from May 6 to 10. The participants discussed various questions in relation with the design of geodetical and cartographical instruments. More than 500 delegates from many universities and scientific institutions, as well as 82 representatives of different agencies in Leningrad, Kiyev, Sverdlovsk, and other cities, participated in this conference. The Deputy Head of the GUGK, M. D. Kon'shin, read a paper on "Scientific Research in Aerial Camera Design." S. V. Yeliseyev, Docent, reported on "The Present State of Production of Geodetical Instruments, and Development of New Instruments." F. V. Drobyshev, Professor, gave a lecture on the construction of photogrammetrical instruments in the USSR and on developments in this field. In the different sections questions relating to the design of geodetical and photogrammetrical instruments as well as instruments for aerial photography were discussed. Docent S. V. Yeliseyev and Engineer Ye. T. Zdobnikov reported on geodetic angleaesuring instruments. Engineer [illegible] V. Koshcheryakov dealt with the new Marksheyder-instruments. V. M. Nazarov, Candidate of Technical Sciences, reported on optical range finders of greater precision. V. A. Velichko, Candidate of Technical Sciences, on optical range finders of medium accuracy. Engineer I. I. Andrianova and Yu. P. Popov, Candidate of Physical-Mathematical Sciences, spoke on modulators of optical range finders. Engineer L. V. Rabinovich spoke on the use of light alloys in the manufacture of geodetical instruments. Docent S. M. Muravyev and Engineer V. K. Sayenko reported on new developments in the production of geodetical instruments. Professor D. Yu. Gal'perin dealt with the optical systems in geodetical instruments. Engineer A. N. Burago, Engineer B. A. Shilin, Docent V. A. Krumelis, Docent I. N. Firson, and Engineer A. V. Ushakov informed the participants on the results of the Scientific and Technical Conference held in Kiyev (Planning and Production of Geodetical Instruments).

Card 2/3

Card 3/3

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

VELICHKO, V.A.

Category : USSR/Optics/- Physical optics

K-5

Abs Jour : Ref Zhur - Fizika, No 1, 1957, No 2296

Author : Velichko, V.A., Vasil'yev, V.P., Golosov, V.V.

Title : Measurement of Light with an Illumination Rangefinder and Determination of the Velocity of Propagation of Light

Orig Pub : Geodeziya i kartografiya, 1956, No 1, 10-24

Abstract : The construction of the illumination rangefinder SVV-1 with two Kerr cells is described. The synchronously and symmetrically connected Kerr cell permits the use of the observer's eyes as the light-sensitive element, and it is the authors' opinion that this is the advantage of their instrument. The SVV-1 instrument was used to measure triangulation sides up to 10 km long. An average of 40-50 minutes was consumed in the measurement of the length of one side in 24-30 steps. The data tabulated in the article on the measured lengths of 17 sides measured with the rangefinder and by triangulation show the good agreement between the measurements. The mean-squared error of the result of measuring a side 8 km long amounts to 0.09 meters. On the basis of the measurement of the lengths of the 17 sides, obtained by triangulation, the velocity of propagation of light in vacuum was found to be $c = 299793.9 \pm 1$ km/sec.

Card : 1/1

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

VENDROV, Semen Leonidovich,; GROSHEV, Aleksandr Afanas'yevich,; ISAKOV, Nikolay Mikhaylovich,; SERGEYEV, Leonid Aleksandrovich,; SHEPSHELEVICH, Iosif Mikhaylovich,; VELICHKO, Viktor Aleksandrovich,; BLIZNYAK, Ye. V., doktor tekhn. nauk, prof., red.; GRUZINOV, A.I., retsenzent,; KUDRITSKIY, D.M., red.; VOLCHOK, K.M., tekhn. red.

[Modern techniques of hydrographic research] Sovremennaia tekhnika gidrograficheskikh izyskanii. Leningrad, Izd-vo "Rechnoi transport," Lenigr. otd-nie, 1957. 170 p. (MIRA 11:12)
(Hydrographic surveying)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

VELICHKO, V.A., inzh.

SVV-1 optical range finder and its testing results. Izv. vys. ucheb. zav.; geod. i aerof. no. 2:37-54 '57. (MIRA 11:7)
(Range finding--Equipment and supplies)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

AVDEYEV, L.M.; VELICHKO, V.A., kand.tekhn.nauk; LAPING, K.A.

Introducing the optical rangefinder in geodetic measuring practice. Geod.i kart. no.9:21-27 S '57. (MIRA 10:11)
(Geodesy) (Surveying--Instruments)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

VELICHKO, V. A. (Cand. Tech. Sci.)

"The use of light location for the construction of geodetical networks," Geodeziya i Kartografiya, 1957, Nr 12, 69-70 (USSR).

report presented at the Sci. Tech. Conf. for Geodesy, Aerial Photography and Cartography, 24-28 Oct 57. (in honor of the 40th anniversary of the October Revolution) Organized by Main Office for Geodesy and Cartography, Home Office USSR, the Military-Topographical Office and the Inst. for Engineers of Geodesy, Air Survey and Cartography, Moscow.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

3(4)

AUTHOR: Velichko, V. A., Candidate of ~~Technical Sciences~~ SOV/6-58-10-5/17

TITLE: Determination of Light Velocity(Opredeleniye skorosti sveta)

PERIODICAL: Geodeziya i kartografiya, 1958, Nr 10, pp 31-35 (USSR)

ABSTRACT: From 1956 - 1957 the bases of first class were measured with the optical range finder SVV-1, issue 1956. Previously, such distances were measured by means of invar wires. 1956 the pertaining work was carried out by the coworkers of the MII VTS: V. A. Velichko, V. P. Vasil'yev, V. F. Khomaza, and V. D. Bol'shakov at the bases of Dugninskiy, Krivorozhskiy and Novostarodubskiy bases. The last base was remeasured by the scientific collaborators of the TsNIIGAiK : V. I. Sinyagina and A.I.Demushkin in 1957. Demushkin also improved the experimental unit of the SVV-1 (Ref 2). The results of the measurements were used in the determination of light velocity. First of all a short description of the survey of three base lines is given. Next the method of measuring the velocity of light is described. A velocity of light in empty space of c_o = 299 793,0 km/sec was assumed in the computation of the length of the base lines measured. The considerations underlying the

Card 1/2

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

Determination of Light Velocity

SOV/6-58-10-5/17

computation of light velocity are advanced and it is shown that the correction to the approximative value of light velocity will be -0,3 km/sec. The accuracy of the determination of light velocity will be $m_c = \pm 0,3$km/sec and the light velocity proper will be $c = 299\ 792,7 \pm 0,3$ km/sec. There are 0 figures, 1 table, and 2 references, 2 of which are Soviet.

Card 2/2

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

3(4)

AUTHOR: Velichko, V. A., Candidate of Technical Sciences SOV/154-59-1-4/19

TITLE: Scientific Work for the Building of Optical Range Finders of Mean Accuracy (1 : 100,000) and Experiences in Using Them (O nauchnykh rabotakh po sozdaniyu svetodal'nomerov sredney tochnosti (1 : 100 000) i opyte ikh primeneniya)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Geodeziya i aerofotos"-yemka, 1959, Nr 1, pp 25-38 (USSR)

ABSTRACT: The optical range finders available at present can be divided in 3 groups: 1) large size: geodimeter NASM-2, 2) medium size: optical range finder SVV-1, and 3) small size: optical range finder DST. The papers on optical location applied to apparatus of the medium group are examined here. Every optical range finder consists of a light source, a light relay, a reflector, and a light-sensitive receiver with a demodulator. The construction of optical range finders is determined by the following principal factors: the type of light modulation, the type of recording the reflected light flux, the type of solution of multiple-valuedness, the radius of operation and the accuracy of measurements. These main factors are

Card 1/3

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

Scientific Work for the Building of Optical Range Finders of Mean Accuracy (1 : 100,000) and Experiences in Using Them SOV/154-59-1-4/19

investigated here. A survey of the different types of modulator is given, and it is shown that at present the most reliable modulator is the Kerr cell with a liquid dielectric. It is shown that among the kinds of recording the reflected light flux the visual one is better than the photoelectric one. This method is used in the SVV-1 with the use of the new observation method, the so-called "flickering"-method (Ref 17) by V. P. Vasil'yev and V. A. Velichko. The nature of this method (it is similar to Bergstrand's method) is pointed out. Besides, the SVV-1 uses the compensation method of observations suggested by De Kudre (Ref 2). At present there are 2 schemes for solving the multiple-valuedness of observations: 1) a multiple-stage scheme with measurements at discrete frequencies, and 2) a one-stage scheme with one measurement in the stageless frequency range. It is shown that the second method is preferable which has been fully confirmed by practice. - Formula (15) is given for the exposure "E" in the cathode plane of the photoelectric cell. On account of this formula, the methods to increase the range of the apparatus are pointed out here.

Card 2/3

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

Scientific Work for the Building of Optical Range Finders of Mean Accuracy (1 : 100,000) and Experiences in Using Them SOV/154-59-1-4/19

The results of the use of optical range finders in surveying are indicated. The SVV-1 ensures a measuring accuracy of 1 : 100,000 up to 10 km. The visual observation method is only by 20-25 % inferior to photoelectric recording. - Some hints are given to designers for a further improvement of optical range finders and a reduction of their dimensions and weight. - In a summary it is stated that SVV-1 has proved best among all apparatus of mean accuracy. It has a Kerr modulator, a stageless frequency range and a visual type of observation. These ensure a high measuring accuracy single-valuedness of the same and an absence of systematic errors. The apparatus is suitable for series production. There are 1 figure, 3 tables, and 20 references, 10 of which are Soviet.

Card 3/3

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

VELICHKO, V.A., kand. tekhn. nauk

Determining the type of error function and analyzing the accuracy of geodimeter ranging. Izv. vys. ucheb. zav.; geod. i aerof. no.4:95-104 '63. (MIRA 17:9)

1. Moskovskiy institut inzhenerov geodezii, aerofotos"yemki i kartografii.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

BUTKEVICH, Adol'f Veniaminovich; VE[illegible]KO, V.A., kand. tekhn. nauk, retsenzent; BAGRATUNI, G.V., prof., red.

[Studies on the solution of computation problems in spheroidal geodesy] Issledovaniia po resheniiu vychislitel'nykh zadach sferoidicheskoi geodezii. Moskva, Nedra, 1964. 258 p. (MIRA 18:1)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

VELICHKO, V.A., kand. tekhn. nauk

Selecting the best conditions for the Kerr cell. Izv. vys. uchseb. zav.; geod. i aerof. no.2:35-50 '65.

(MIRA 18:10)

1. Moskovskiy institut inzhenerov geodezii, aerofotos"yemki i kartografii. Submitted Jan. 12, 1965.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

VELICHKO, V.A.

Measurement of base lines in second-order triangulation by the SVV-1 optical range finder. Geod.i kart. no.8:15-19 Ag '61. (MIRA 14:10)

(Range finding)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

VELICHKO, Vasiliy Arsen'yevich

[In a great snowy world; sketches] V bol'shom snezhnom mire; ocherki. Toms, Tomskoe knizhnoe izd-vo, 1960. 276 p. (MIRA 14:12)

(Narym)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

VELICHKO, V.A., kand.tekhn.nauk

Establishing the state geodetic network by traverse surveys made by the use of optical range finders. Geod. i kart. no.4:19-24 Ap '60. (MIRA 13:8)
(Traverses (Surveying)) (Range finding)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

VELICHKO, V.A.

PHASE I BOOK EXPLOITATION SOV/4321
SOV/43-5-31

Moscow. Institut inzhenerov geodezii, aerofotos"yemki i kartografii

Trudy, vyp. 31 (Transactions of the Moscow Institute of Engineering Geodesy, Aerial Photography, and Cartography no. 31) Moscow, Geodezizdat, 1959. 163 p. Errata slip inserted. 1,000 copies printed.

Editorial Board: A.I. Mamiashvili (Resp. Ed.), V.I. Avgustinik (Deputy Resp. Ed.), G.V. Bagratuni, B.Ya. Bobir, M.N. Volkov, A.I. Durnev, S.V. Yelisseyev, P.S. Zakatov, G.P. Levchuk, N.I. Modrinskiy, M.D. Solov'yev, B.V. Fefilov, and P.F. Shekin; Ed. of Publishing House: T.A. Shemanova; Tech. Ed.: T.V. Kosareva.

PURPOSE: This collection of articles is intended for specialists in geodesy, cartography, and photogrammetry.

COVERAGE: The book is a collection of 20 papers presented at the MIIGAiK in October 1957 and printed in abbreviated form. The reports presented discuss the current status and the future prospects for development of aerial photography, topographic mapping, geodesy and geodetic astronomy, instrumentation, photogrammetry and photo interpretation, cartography and its associated mathematical and practical problems. No personalities are mentioned. References follow several of the articles.

Card 1/4

1. Baranov, A.N. 40 Years of Soviet Geodesy and Cartography 5

2. Romanovskiy, G.V. Results and Prospects of the Development of Aerial Photography in the USSR 11

3. Zakatov, P.S. Basic Problems of Higher Education in Geodesy in the USSR 15

4. Podobedov, N.S. Contemporary Topographic Maps and Methods for Improving Them 23

5. Velichko, V.A. Prospects of Using Location by Beams of Light for the Construction of Geodetic Grids 31

6. Kolupayev, A.P., A.V. Kurmakov, and A.V. Mazayev. State and Prospects of Development of Geodetic Astronomy 41

7. Shilliger, V.I. Present State and Prospects of Developments of Automatic-Leveling Instruments 49

8. Konshin, N.D. Determining the Elements of External Orientation in Flight 57

9. Rusinov, M.M. New Aerial-Photographic Lenses 63

10. Kargopolov, I.D. On the Rectification of Photogrammetric Networks 71

11. Gol'dman, L.M. Problems of Topographic Interpretation of Aerial Photographs 77

12. Mikhaylov, V.Ye. Effect of the Photographic Properties of Aerial Photographs on Their Interpretability 83

13. Starostin, F.A. Basic Methods for the Development of Mathematical Cartography 87

14. Koldayev, [illegible] Ways and Means for Improving Plastic Representation of Relief on Maps 97

15. Karutskaya, L.P. Cartographic Mapping Agricultural Areas in the USSR 103

16. Borzykov, N.P. Electronic Cartographic Rectifier 113

17. Perikov, V.M. Plastic Foundations and Non-Silver Photosensitive Layers in Cartographic Production 117

18. Merkulov, V.A. Microfilming and the Possibilities of Its Use in Cartography 123

19. Ginzburg, G.A. Investigation of Certain Aspects of the Problem of the Mathematical Basis of Small-Scale Geographic Maps in the Transactions of the TsNIIGAiK 133

20. Solov'yev, M.D. Perspective Projections With Multiple-Image Perspectives 137

AVAILABLE: Library of Congress (QB 275.M63), no. 31, 1959)

Card 2/4

MC/af/afm

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

AUTHOR: Velichko, V. A., Candidate of Technical Sciences

S/006/60/000/04/005/019
B007/B005

TITLE: Experience Made in Establishing the State Geodetical Net by the Method of Traversing With Optical Range Finders

PERIODICAL: Geodeziya i kartografiya, 1960, Nr 4, pp 24-31 (USSR)

TEXT: Traversing with optical range finders was used in 1958 instead of triangulation to establish an uninterrupted geodetical net over an area of about 12,000 km^2. First, the area is briefly described, then the surveying project set up according to special technical data is outlined, and finally the results are shown. Table 4 compares triangulation with traversing by means of optical range finders. It shows that expenditure of work for traversing with optical range finders is 25% lower. Maximum savings (up to 37%) are obtained in the construction of ground marks. Nevertheless, very much time is used for building and repairing ground marks for traversing with optical range finders. Therefore, this work should be mechanized, and collapsible marks should be used. The average monthly capacity per optical range finder was 350-400 km (including traverses of the 2nd, 3rd, and 4th order). As the traversing accuracy depends, to some extent, on the method of adjustment, and is mainly influenced by the ratio

Card 1/2

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

Experience Made in Establishing the State Geodetical Net by the Method of Traversing With Optical Range Finders

S/006/60/000/04/005/019
B007/B005

between the weights of linear elements and the weights of angular elements, the methods and ratios used here are pointed out. The adjustment data of table 7 prove sufficient accuracy of traversing with optical range finders. The present paper is the first attempt of applying the new method (of traversing with optical range finders) in establishing a State geodetical net over a large area. There are 2 figures, 7 tables, and 1 Soviet reference.

Card 2/2

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

VELICHKO, V.A., kand. tekhn. nauk

Outlook for the use of optical range-finding techniques in establishing geodetic networks. Trudy MIIGAIK no.31:31-40 '59.
(MIRA 13:3)

(Triangulation) (Range finding)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

VELICHKO, Vasiliy Dmitriyevich, mashinist kombayna "Donbass"; VAL'SHTEYN, G., redaktor; DOLGOPYATOV, Yu., redaktor; OYSTRAKH, V.G., tekhnicheskiy redaktor

[27 thousand tons of coal a month per cutter-loader is not the limit] 27 tysiach tonn uglia v mesiats na kombain - ne predel. Alma-Ata, Kazakhskoe gos. izd-vo, 1956. 14 p. (MLRA 9:10)

1. Shakhta No.31 kombinata "Karagandaugol'" (for Velichko)
(Coal mines and mining)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

SUKOMEL, A.S.; VELICHKO, V.I., IVANOV, A.I.; MUKHIN, V.A.

Study of frictional resistance in compressed gas flow in the initial section of a tube at high temperature heads between the gas and the wall. Teplofiz. vys. temp. 3 no.3:480-483 My-Je '65. (MIRA 18:8)

1. Moskovskiy energeticheskiy institut.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

SUKOMEL, A.S., kand. tekhn. nauk; VELICHKO, V.I., insh.

Study of frictional resistance in a supersonic nonisothermal gas flow at the input of a pipe. Trudy MEI no.63:39-50 '65. (MIRA 18:12)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

L 8989-66 EWT(1)/EWP(m)/EWT(m)/EWA(d)/T/FCS(k)/EWA(1) DJ

ACC NR: AP5016704 SOURCE CODE: UR/0294/65/003/003/0480/0483

60
B

AUTHOR: Sukomel, A. S.; Velichko, V. I.; Ivanov, A. I.; Mukhin, V. A.

ORG: Moscow Power Engineering Institute (Moskovskiy Energeticheskiy institut)

TITLE: Investigation of friction resistance for compressible gas flow in the entrance section of a tube for large temperature gradients between the gas and wall

SOURCE: Teplofizika vysokikh temperatur, v. 3, no. 3, 1965, 480-483

TOPIC TAGS: fluid friction, gas flow, compressible flow

ABSTRACT: Two methods of friction resistance determination were studied in compressible gas flows in water-cooled tubes with a Laval nozzle for supersonic and Vitoshinskiy nozzle for subsonic regimes. The first method consisted of determining the resistance from Bernoulli's equation for which gas velocity and static pressure were determined at several points in the tube. The second method utilized the isentropic state in the core of the flow and boundary layer at the wall. Data analysis shows that stream parameters along the tube length satisfy one-dimensional flow theory. The compression effects were treated as corrections. Friction resistance data is given as a function of the Reynolds number and the results are compared with the work of other authors and with theoretical predictions. The data for air show a 10% deviation from

UDC: 532.543.6:532.517

Card 1/2

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

L 8989-66

ACC NR: AP5016704

values predicted from the Reynolds analogy for describing compressible gas flows. Orig. art. has: 4 figures, 8 formulas.

SUB CODE: 20/ SUBM DATE: 25Jun64/ ORIG REF: 007/ OTH REF: 000

Card 2/2

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

VELICHKO, V.M. [Velychko, V.M.], kolkhoznik; YAREMENKO, V.M., kolkhoznik;

Following the example of Oleksandr Himalov. Mekh.sil'.hosp. 10 no.7:26 Jl '59. (MIRA 12:12)

1. Artel' "Dnipro," Cherkasskogo rayona, Cherkasskoy oblasti. (Corn(Maize))

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

VELICHKO, V.M.; KORENEVICH, N.N.

Tumors of the glomus. Khirurgiia 34 no.12:92-93 D '58. (MIRA 12:1)

1. Iz gospital'noy khirurgicheskoy kliniki (zav. - prof. I.B. Oleshkevich) Vitebskogo gosudarstvennogo meditsinskogo instituta.
(GLOMANGIOMA, case reports
(Rus))

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

YAREMENKO, V.M., kolkhoznik; VELICHKO, V.M., kolkhoznik

They became friends with corn! Mekh. sil'. hosp. 12 no. 6:4 Je '61. (MIRA 14:5)

1. Artel' "Dnipro," Cherkasskogo rayona, Cherkasskoy oblasti.
(Cherkassy District--Corn (Maize))

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

VELICHKO, V.N.

Method of box molding. Lit.proizv. no.7:40 Jl '64. (MIRA 18:4)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

VELICHKO, V.V.

White mustard in the non-chernozem belt Moskva, Gos. izd-vo selkhoz lit-ry, 1951. 71 p.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

VELICHKO, V. V.

Experience in obtaining high yields of sunflower; Thelman Kolkhoz, Stalino Oblast, Ukraine Moskva, Gos. izd-vo sel'khoz. lit-ry, 1952. 60 p. (Peredovoi opyt v sel'skom khoziaistve)

1. Sunflowers.
2. Agriculture, Cooperative - Russia.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

VELICHKO, V. V.

Agriculture

White mustard in the non-chernozem belt. Moskva, Gos. izd-vo sel'khoz lit-ry, 1951.

Monthly List of Russian Accessions, Library of Congress, June 1952. Unclassified.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

VELICHKO, V.P., inzh.; ABLOGIN, E.A.

Sinking reinforced concrete shells in removable guides. Transp. strci. 12 no.2:20-23 F '62. (MIRA 15:7)
(Bridges—Foundations and piers)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

ABLOGIN, E.A., inzh.; VELICHKO, V.P., inzh.

Drilling rocks for embedding pole foundations of bridge supports. Transp. stroi. 11 no.2:20-22 F '61. (MIRA 14:2)
(Bridges—Foundations and piers)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

PODGAYETS, M.A., redaktor; VELICHENKO, V.P., redaktor; PUL'KINA, Ye.A., tekhnicheskiy redaktor.

[Machinery and equipment for mechanizing construction work and the manufacturing of building materials; a reference catalog] Mashiny i oborudovanie dlia mekhanizatsii stroitel'nykh rabot i proizvodstva stroitel'nykh materialov; katalog-spravochnik. Leningrad, Gos.izd-vo lit-ry po stroit.i arkhit., 1957. 230 p. (MIRA 10:11)

1. Russia (1923- U.S.S.R.) Ministerstvo stroitel'nogo i dorozhnogo mashinostroyeniya.
(Construction industry--Equipment and supplies)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

SOLOV'YEV, G.P., kand.tekhn.nauk; VELICHKO, V.P., inzh.

Construction of reinforced concrete shells for bridge footings in sliding formwork. Transp. stroi. 12 no.5:19-22 My '62. (MIRA 15:6)

(Ob' River--Bridges--Foundations and piers)
(Precast concrete construction)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

VELICHKO, V. V.

Opyt vy raschiveniia vysokikh pods lnechnika [Experience in cultivating tall sunflowers]. Moskva, Sel'khozgiz, 1952. 60 p.

SO: Monthly List of Russian Accessions, Vol 6 No 4, July 1953

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

1. VELICHKO, V. V.

2. USSR (600)

4. Agriculture

7. Experience in cultivating tall sunflowers. Moskva, Sel'khozgiz, 1952.

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

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

VELICHKO, Ya.M., inzh.; SHUTOV, I.V., kand.sel'skokhozyaystvennykh, nauk

Using arboricides in removing trees and brushwood from the areas to be inundated. Gidr.stroi. 30 no.7:35-38 Jl '60. (MIRA 13:7)
(Herbicides) (Hydroelectric power stations)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

VELICHKO, Ya.M., nauchnyy sotrudnik; KOZLOVA, L.M., nauchnyy sotrudnik

Herbicides for forest nurseries. Zashch. rast. ot vred. i bol. 8 no.7:27 Jl '63. (MIRA 16:9)

1. Leningradskiy nauchno-issledovatel'skiy institut lesnogo khozyaystva.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

Weeds and Weed Control.

[illegible] : [illegible]-Biology, No. 5, [illegible], No. 20592

[illegible] : Velichko, Ya.M.; Shutov, I.V.

INST. : Leningrad Sci.Res.Inst.of Forestry

TITLE : An Experiment in Applying Arboricides when Preparing Reservoir Channels in Flood Zones.

ORIG. PUB.: Byul. nauchno-tekhn. inform. Leningr. n.-i. in-ta lesn. kh-va, 1958, No.5, 18-26

ABSTRACT : To destroy tree and shrub thickets in areas to be occupied with future reservoirs (in the flood zones of Stalingrad and Saratov Hydro-electric Power Plant) one applied: sodium salt of 2,4-D (1), butyl ester of 2,4-D (2), butyl ester of 2,4,5-T (3), "Fordex" -- a mixture of the butyl esters of 2,4-D and 2,4 2,4,5-T in the ratio of 2:1 (4), and "Fortox" --butyl ester of 2,4,5-T (5). Treatment with all arboricides in does of 2 kg/ha. and higher

CARD : 1/3

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

[illegible] :
[illegible] :

ABS. JOUR.: Ref Zhur-Biologiya, No. 5, 1959, No. 20592

Author :
INST. :
TITLE :

ORIG. PUB.:

ABSTRACT : The most promising for application in the Middle Volga area were the esters of 2,4-D and 2,4,5-T in doses of 4-6 kg/ha. --L.D. Stonov

CARD : 3/3

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

VELICHKO, Ye. A.: Cand Master Geolog-Mineralo Sci (diss) -- "The terrigenic complex of the Permian system of the Central Taymyr". Moscow, 1958. 22 pp (Min Higher Educ USSR, Moscow Inst of Nonferrous Metals and Gold im M.I. Kalinin), 150 copies (KL, No 1, 1959, 116)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

VELICHKO, Ye.A.

Permian paleogeography of the Taymyr Peninsula. Nauch.dokl.vys. shkoly; geol.-nauki no.4:117-122 '58. (MIRA 12:6)

1. Moskovskiy institut tsvetnykh metallov i zolota im. M.I.Kalinina, kafedra mineralogii i petrografii.
(Taymyr Peninsula--Paleography)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

VELICHKO, Ye.A.

Petrography of the Permian terrigenous complex near Lake Taymyr. Izv. vys. ucheb. zav.; geol. i razv. no.2:57-73 F '58. (MIRA 11:6)

1. Moskovskiy institut tsvetnykh metallov i zolota im. Kalinina, kafedra petrografii i mineralogii.
(Lake Taymyr--Coal geology)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

COUNTRY	:	USSR
CATEGORY	:	Weeds and Weed Control
[illegible]	:	[illegible]
[illegible]	:	Valishko, Ya.M.
[illegible]	:	Leningrad Scientific Research Institute of Forestry
TITLE	:	On the Application of Herbicides in Nurseries.
[illegible]	:	[illegible]
[illegible]	:	Tests were conducted in [illegible] at Tungutskiy [illegible] (Leningradskaya oblast'). Tested in the [illegible] section were: 2,4-D (I), [illegible] (II), [illegible] (III), in doses of 0.5, 1.0, 2.0 kilograms/ha of the active element; [illegible] (IV) 10 and 12.5 kilograms/ha; [illegible] (V) [illegible] kilograms/ha; [illegible] (VI) in dry form 15 and [illegible] kilograms/ha; potassium thiocyanate (VII) 20 and 30 kilograms/ha; potassium chlorate (VIII) 10 and 20 kilograms/ha; shale oil (IX) 300 and 500 liters/ha. Work was conducted on sowings of green ash, Russianolive, Siberian peashrub, the ground and

Card: 1/6

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

[illegible] : [illegible]

[illegible] : Weeds and Weed Control N

[illegible] : [illegible], No. 14, 1958, No. 63639

[illegible] :

[illegible] :

[illegible] :

[illegible] :

[illegible] : Mahaleb cherries, common apricot, white mulberry tree, common smoke tree and Tatarian honeysuckle. The soil was light chestnut heavy loam. Treatment was carried out 4-7 days after sowing or 5-9 days before the appearance of the [illegible] species (on fall sowings) during the period of the mass appearance of the weed seedlings (pigweed, [illegible] amaranth, deadly nightshade, European glorybind, bristlegrass, barnyardgrass, and others) at the 2-leaflet stage. All weeds perished on the 2nd day after treatment with IV and V; the plots remained free from them

Card: 2/6

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

COUNTRY : USSR
CATEGORY : Weeds and Weed Control

ABS. JOUR. : RZhBiol., No.14, 1959, No. 63639

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : **Mahaleb cherry, Russianolive** and ash sowings, rosettes of perennial weeds appeared one week after the treatment. By the time of the first weeding (in 20 days), due to the application of I-V and IX the amount of weeds on plots free from perennial weeds was 70-90% less than on the control. The sprouts of the tree and shrub species appeared at the proper time and developed normally. The dying-off of individual sprouts was observed in the treatment with all Herbicides. VIII produced an almost complete destruction of the mulberry tree and honeysuckle seedlings. Most

Card: 4/6

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

USSR
CATEGORY : Weeds and Weed Control

N

ABS. JOUR. : [illegible], No. 14, 1958, No. 63639

ORIG. PUB. :

ABSTRACT : Sensitive to the herbicides are the sprouts of the weed [illegible] in the soil to a depth of less than [illegible] centimeters - the sprouts of the smoke tree, mulberry tree and honeysuckle. Practically harmless for the seedlings and effective against the weeds is the treatment with herbicides one week before the appearance of the sprouts in the following doses: IV - 10 kilograms/ha; V - 15 kilograms/ha; I, II, III - 1 kilogram/ha; VI - 15-20 kilograms/ha; IX - 300 liters/ha. I, II, III preserved toxicity in the soil for 21 days; IV, V, VII - 3-4 weeks; VI - 2 months. After 5 months, no substantial difference in the humus content of

Card: 5/6

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

USSR
CATEGORY : Weeds and Weed Control

ABS. JOUR. : [illegible], No. 14, 1958, No. 63639

N

ORIG. PUB. :

ABSTRACT : the soil was found. There were more nitrates in the upper layer of the soil treated with herbicides. -- L. Stoney

Card: 6/6

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

ACC NR: AP7000016 SOURCE CODE: UR/0080/66/0[illegible]/011/2505/2509

AUTHOR: Leyner, V. I.; Velichko, Yu. A.; Zuykova, V. S.

ORG: none

TITLE: Electrodeposition of a gold-antimony alloy

SOURCE: Zhurnal prikladnoy khimii, v. 39, no. 11, 1966, 2505-2509

TOPIC TAGS: gold alloy, antimony alloy, electrodeposition

ABSTRACT: The study was made in order to refine the basic parameters of the process of electrodeposition of hard gold coatings. The process involves alloying with antimony, which is introduced into the electrolyte in the form of antimonyl potassium tartrate ("tartar emetic"). The gold was deposited on brass and permalloy. On the latter, the electrodeposition is best carried out from cyanide solutions of the following composition (g/l): metallic gold 8.00, free KCN 15.0, $K(SbO)C_4H_4O_6 \cdot 0.5H_2O$ 0.05; current density, 0.3-0.7 A/dm^2; temperature, 40°. The microhardness and wear resistance of the Au-Sb alloy are respectively 1.5 and 15 times greater than those of pure gold. A considerable increase in the concentration of antimonyl potassium tartrate (above 0.015 g/l) leaves the hardness of the Au-Sb alloy practically unchanged and has no effect on the Sb content of the alloy. An increase in the content of free KCN causes a temporary increase in the hardness of the pure gold coating, but does not affect the hardness of the Au-Sb alloy. A strong bonding between the latter and

Card 1/2 UDC: 541.13+546.3-19'59'86.541.13+546.3-19'59'86

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

ACC NR: AP7000016

permalloy is obtained by first depositing thin layers of copper in two pyrophosphate baths of different compositions. The liberation of pure gold is associated with considerable polarization. The introduction of antimonyl potassium tartrate has virtually no effect on the position and shape of the polarization curve recorded during the deposition of pure gold. An increase in the amount of free KCN and decrease in gold concentration shifts the polarization curve toward negative potentials. Orig. art. has: 9 figures.

SUB CODE: 07,11/ SUBM DATE: 04Nov64/ ORIG REF: 007/ OTH REF: 002

Card 2/2

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

VELICHKO, Ye. B.

VELICHKO, Ye. B.: "Irrigation of rice by periodic applications of water without flooding". Moscow, 1955. Moscow Order of Lenin Agricultural Academy imeni K. A. Timiryazev. (Dissertations for the Degree of Doctor of Agricultural Sciences.)

So: Knizhnaya letopis' No. 49, 3 December 1955. Moscow.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

VELICHKO, Ye.B.

Peculiarities in the anatomical structure of secondary roots in rice. Dokl. AN SSSR 110 no.6:1117-1119 O '56. (MLRA 10:2)

1. Predstavleno akademikom A.L. Kursanovym.
(Rice) (Roots (Botany))

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

USSR

CATEGORY : Cultivated Plants. Grains. Leguminous Grains, Tropical Cereals.

ABS. JOUR. : Ref Zhur-Biologiya, No. 5, 1959, no. 20209

AUTHOR : Velichko, Ye.B.

INST. : AS USSR

TITLE : Rice Water Requirements with Periodic Flooding.

ORIG. PUB.: V sb.: Biol. osnovy orosheniya. Sotsel. M., AN SSSR, 1957, 412-422

ABSTRACT : The findings are presented of studies conducted in Krasnodarskiy Kray where both field and vegetation methods were used. When rice was grown without flooding its productivity on structural soils was considerably higher than on structureless. The epidermis broke under conditions of flooded soil (both structural and structureless) and unflooded structureless soils which had formed in the root absorptive zone. The relatively perme-

CARD: 1/3

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

[illegible] :

[illegible] : Cultivated Plants.

[illegible] : Ref Zhur-Biologiya, No. 5 1959, No. 20269

Author :
Inst. :
TITLE :

ORIG. PUB.:

ABSTRACT : able exodermal cells were preserved. It was through these that the nutrients passed. Under circumstances without flooding in structureless soil, the epidermal cells were not ruptured. These cells formed root fibers in the absorption zone. On structural soil plants are better supplied with water without flooding than with it. When rice is planted on structureless soils the optimum conditions of water supply to the plants are

CARD : 2/3

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

CATEGORY : Cultivated Plants.

ABS. JOUR. : Ref Zhur -Biologiya, No. 5, 1959, No. 20269

AUTHOR :
INST. :
TITLE :

ORIG. PUB.:

ABSTRACT : produced only at 100% soil saturation. The resultant water uptake from structural soil is higher than from structureless. Grasses are the best preceding crops for raising periodically watered rice. The behavior of various varieties was not the same. --Yu.L. Guzhev

CARD: 3/3

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5

VELICHKO, Ye.B., kand. sel'skokhozyaystvennykh nauk.

Role of crop rotations in rice sowing. Zemledelie 6 no.2:17-19 '58.
(Kuban--Rice) (Rotation of crops) (MIRA 11:3)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859310018-5"