87263
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E032/E514

Simultaneous Determination of Latitude and Longitude of a Locality from Absolute Measurements of the Altitude of Two Celestial Bodies

the equations are based is not an exact formula. The latter consideration is not important when the corrections are small. However, when the correction is of the order of a few minutes of arc, then the approximate nature of the basic differential formula may have an appreciable effect on the magnitude of the final corrections so that the calculated mean square errors are not in fact an indication of the accuracy of the final results. This is particularly important in the case of altitudes in excess of 60-70 deg and when one deals with large latitudes. The present paper is concerned with the relation between the accuracy to which the approximate values of the longitude and latitude are known and the accuracy of the final values of these coordinates when they are calculated by the above method of "lines of equal altitudes". A sequence of operations is recommended which can be used by an observer to determine the geographical coordinates. It is said that when this sequence of operations is followed the calculations are considerably abbreviated and the significance of the calculated

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E032/E514

Simultaneous Determination of Latitude and Longitude of a Locality from Absolute Measurements of the Altitude of Two Celestial Bodies

errors is quite clear. The sequence of operations recommended is as follows: a) a measurement is made of the altitude of two celestial bodies (to the required or the possible accuracy) whose azimuths do not differ by more than 30 deg from 90 deg or 270 deg; b) the measured altitude is corrected for refraction and other systematic errors and a calculation is made of the azimuths of the two celestial bodies and the difference between their measured (corrected) and calculated altitudes (for the times of measurement and the approximate values of the latitude and longitude of the locality); c) using the usual method (Kunitskiy, Ref.3) the point of intersection of two lines of equal altitude is found on a geographical chart (or simply on a coordinate grid) which gives a more accurate value for the position of the observer; d) using the new, more accurate, values of these coordinates, a calculation is made of the altitude and azimuths of the celestial bodies to the same degree of accuracy to which the altitudes of the celestial bodies were measured; e) the corrections $\Delta\varphi$ and $\Delta\lambda$, which are to

Card 4/5

Simultaneous Determination of Latitude and Longitude of a Locality from Absolute Measurements of the Altitude of Two Celestial Bodies

be added to the values of latitude and longitude obtained in (c), are then calculated from equations of the form

$$\Delta\varphi = \frac{\sin A_2 \Delta h_1 - \sin A_1 \Delta h_2}{\sin(A_1 - A_2)} \; ; \; \Delta\lambda = \frac{\cos A_1 \Delta h_2 - \cos A_2 \Delta h_1}{\cos \varphi \sin (A_1 - A_2)} \quad (11)$$

where h is the altitude and A is defined by

$$\Delta h = - \cos A \Delta\varphi - \cos \varphi \sin A \Delta\lambda. \quad (9)$$

This sequence of operations can be used when the longitude and latitude of the observer is known to an accuracy of 1-2 deg. The accuracy of the final result depends only on the accuracy to which the altitudes of the celestial bodies were measured.

ASSOCIATION: Moskovskiy gos. pedagogicheskiy institut imeni V.I. Lenina (Moscow State Pedagogic Institute imeni V. I. Lenin)

SUBMITTED: May 12, 1960

Card 5/5

ASTAPOVICH,I.S.; BAKULIN,P.I.; BAKHAREV,A.N.; BRONSHTEN,V.A.; BUGOSLAVSKAYA, N.Ya.[deceased]; VASIL'YEV,O.B.; GRISHIN,N.I.; DAGAYEV,M.M.; DUBROVSKIY,K.K.[deceased]; ZAKHAROV,G.P.; ZOTKIN,I.T.; KRAMER,Ye.N.; KRILOV,Ye.L.; KULIKOVSKIY,P.G.; KUNITSKIY,R.V.; KUROCHKIN,N.Ye.; ORLOV,S.V.[deceased]; POPOV,P.I.; PUSHKOV, N.V.; RYBAKOV, A.I.; RYABOV,Yu.A.; SYTINSKAYA, N.N.; TSESEVICH, V.P.; SHCHIGOLEV,B.M.; VORONTSOV-VEL'YAMINOV,B.A.,red.; POLOMAREVA,G.A., red.; KRYUCHKOVA, V.N., tekhn. red.

[Astronomical calender; permanent part] Astronomicheskii kalendar'; postoiannaia chast'. Izd.5., polnost'iu perer. Otv. red. P.I.Bakulin. Red.kol.V.A.Bronshten i dr. Moskva, Gos.izd-vo fiziko-matem.lit-ry, 1962. 771 p. (MIRA 15:4)

(Astronomy--Yearbooks)

KUNITSKIY, R.V. (Moskva)

For the elimination of computational illiteracy. Mat. v shkole no.3:50-52 My-Je '62. (MIRA 15:7)
(Mathematics--Study and teaching)

KUNITSKIY, N.V., prof.

Astronomy in atheistic propaganda. Zem. i vsel. 1 no.1:43-47 Ja-F '65.
(MIRA 18:7)

KUNITSKIY, V., gvardii polkovnik; ZASEDATELEV, I., gvardii polkovnik.

Directing mortar fire at night. Voen. vest. 35 no.8:60-64 Ag '55.
(Mortars (Ordnance)) (MIRA 11:3)

KUNITSKIY, V.N.; GAUZSHTEYN, D.M.

Methods of censusing fleas in the entrances of burrows of the greater gerbil (Rhombomys opimus Licht.) Zool. zhur. 42 no.11:1743-1745 '63. (MIRA 17:2)

1. Central Asiatic Research Anti-Plague Institute, Alma-Ata.

KUNITSKIY, V.N.; KUNITSKAYA, N.T.

New species of flea, Ceratophyllus mikulini sp. nov., from Transcaucasia. Trudy Nauch.-issl. protivochum. inst. Kav. i Zakav. no.5:203-205 '61. (MIRA 17:1)

KUNITSKIY, V.N.

Habitat conditions of fleas parasitic on gerbils in the southwestern part of the Azerbaijan S. S. R. Zool. zhur. 40 no.6:848-858 Je '61. (MIRA 14:6)

1. Anti-Plague Research Institute of the Caucasus and Transcaucasia Stavropol-Regional.
(Azerbaijan—Fleas)
(Parasites—Gerbils)

GAUZSHTEYN, D.M.; KUNITSKIY, V.N.

Species of fleas on birds of the southern Balkhash Lake region as related to the possible participation of birds in spreading the plague infection. Zool. zhur. 43 no.10:1473-1479 '64.
(MIRA 17:12)

1. Central Asian Research Anti-Plague Institute (Alma-Ata).

KUNITSKIY, V. P.

Kunitskiy, V. P. - "To guarantee further development of the peat industry," In symposium: Torf v nar. khoz-ve Belorus. SSR, Minsk, 1948, p. 25-37

So: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 13, 1949)

KUKITSKIY, Ya. Ye.

"Soviet Apparatus for Injecting, Under Pressure, Anesthetic Into Tissues," Khirurgiya, No.10, pp 64-65, 1951

Translation M-21592, 25 Feb 52

M.

USSR/Cultivated Plants - Grains.

Ye.A. KUNITSKIY

Abs Jour : Ref Zhur - Biol., No 4, 1958, 15529

Author : N.V. Turbin, L.I. Lovotskaya, Ye.A. Kunitskiy

Inst : -

Title : The Principal Results of the 1955 Experiments on the Study of Corn Varieties, Strains and Hybrids as Initial Selection Stock.
(Glavneyshiye rezul'taty opytov 1955 g. po izucheniyu sortov, liniy i gibridov kukuruzy kak iskhodnogo materiala dlya selektsii).

Orig Pub : V sb.: Kukuruza v BSSR, Minsk, AN BSSR, 1957, 24-59.

Abstract : This study which was conducted at the Bielorussian State University in 1955 was dedicated to the problem of obtaining hybrid corn forms exhibiting heterosis in the Bielorussian SSR. Intervarietal, variety strain, interstrain, complex double and triple hybrids were studied, as well as the hybrid population of corn.

Card 1/2

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USSR/Cultivated Plants - Grains M.

Abs Jour : Ref Zhur - Biol., No 4, 1958, 15529

Many of these significantly exceeded the parental forms in yielding capacity and other economically important characteristics, however, not all proved advantageous in cob yield as compared to the better varieties. In cob yield (in the presence of harvesting moisture) and green stuff, the complex hybrids and hybrid population took first place, the simple interstrain hybrids second, varietal strains took third, and the intervarietals last place.

Card 2/ 2

KUNITSKIY, Ye A.

B

USSR/General Biology. Genetics

Abs Jour : Ref Biol., No 13, 1958, 57193

Author : Turbin N. V.,,Lobotskaya I. I., Kunitskiy Ye. A.
Inst : Belorussian University
Title : Main Results of the 1955-1956 Experiments for the Study of Varieties, Lines, and Hybrids of Maize as the Initial Form for the Selection of Hybrid Maize Under Conditions of Belorussian SSR

Orig Pub : Pub. Uch. zap. Belorussk. un-t, 1957, vyp. 37, 255-327

Abstract : On the basis of preliminary studies the following initial forms are recommended as the best for the selection of corn in Belorussia: early ripening and medium early--Kichkasskaya, Melkaya khulinskaya, Severyanka, Belaya Pireneyskaya, Voronezhskaya 76; medium ripening--

Card 1/2

B

USSR/General Biology. Genetics
Abs Jour : Ref Zhur-Biol., No 13, 1958, 57193

Abstract : Mandorfskaya and Zubovidnaya 235. Of those formed from the "intskht line", Zubovidnaya 2112, L-94, and M-95 are recommended. Good quality local intervariety hybrids have been obtained; Vichkasskaya+Mestnaya Polesskaya 1, Severodakotskaya+mixture of pollens of Abkhaz varieties. In their yield they are superior to intervariety hybrids. An evaluation of "intsukht-lines" was made on the basis of their hybrids with available varieties of maize. The opinion has been expressed that separate tests of a line make it possible to hope that on their base highly productive interlineal hybrids may be obtained in the future.

Card 2/2

Z A. KUNITSKIY

M.

USSR/Cultivated Plants - Fodder.

Abs Jour : Ref Zhur - Biol., No 4, 1958, 15702

Author : Z.A. Kunitskiy
Inst : -
Title : The Corn Sowing Periods in Minskiy Rayon.
(O srokakh poseva kukuruzy v usloviyakh Minskogo rayona).

Orig Pub : V sb.: Kukuruza v BSSR, Minsk, AN BSSR, 1957, 268-273

Abstract : Experiments were conducted at the biological station of the Bielorussian University in 1954-1955 on the determination of the best corn sowing periods for Bielorussia both for green fodder and for ripe stages. In 1954 the experiments were made solely with non-varietal corn, in 1955 with the common one, North Dakotan and Sterling. The sowing times were in 10, 15, 25 and 30 May. The largest corn yield in green stuff and cobs was gotten with medium early sowing on 15-20 May.

Card 1/2

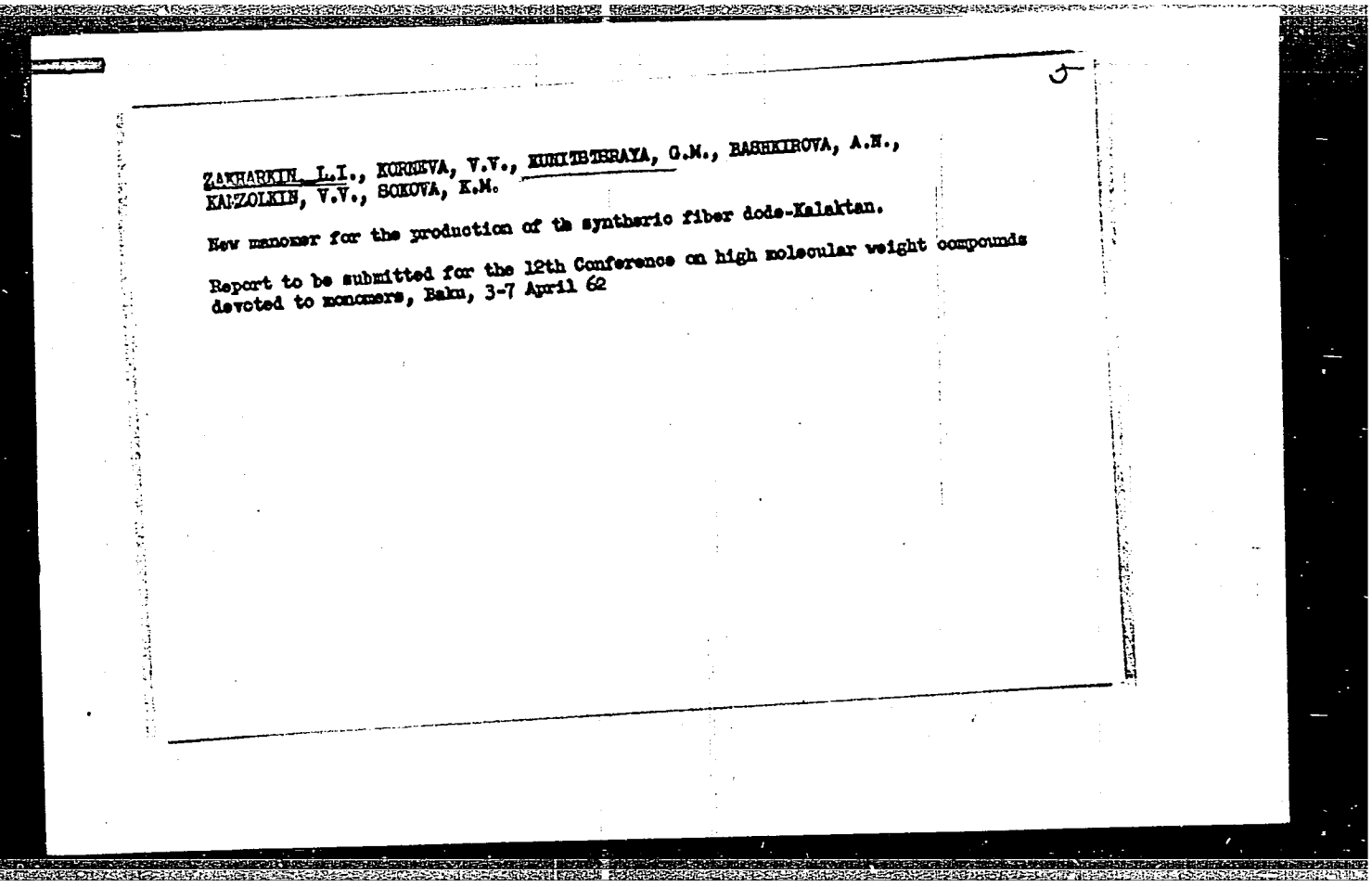
USSR/Cultivated Plants - Fodder.

Abs Jour : Ref Zhur - Biol., No 4, 1958, 15702

It was only with these sowing periods that cobs in the waxy and even completely ripe stages could be obtained.

Card 2/2

115



5

ZAKHARKIN, L.I., KORNEVA, V.V., KUNITSKAYA, G.M., BASHKIROVA, A.N., KAZOLKIN, V.V., SOKOVA, K.M.

New monomer for the production of th syntheric fiber dode-Kalaktan.

Report to be submitted for the 12th Conference on high molecular weight compounds devoted to monomers, Baku, 3-7 April 62

KUNITSYA, M.O., RADZIYEVS'KIY, V.I.

Geomorphological subdivisions of the Goryn River valley. Dop. AN URSR no.5: 488-493 '55. (MLRA 9:3)

1. Institut geologichnikh nauk AN URSR. Predstaviv diysniy chlen AN URSR V.G. Bondarchuk.
(Goryn Valley--Geology, Structural)

PA 16/49T36

KUNITSYN, A.

Aug 48

USSR/Engineering
Bushings
Rotors

"Replacement of Bronze-Graphite Bushings and Distributor Rotors," A. Kunitsyn, ½ p

"Avtomobil'" No 8

Refers to articles on this subject published in "Avtomobil'" No 8, 1947. Describes own experience using various materials for parts named.

16/49T36

FDB

3(5) PHASE I BOOK EXPLOITATION SOV/1781

Akademiya nauk SSSR. Institut geografii.

Voprosy fizicheskoy geografii (Problems in Physical Geography) Moscow, Izd-vo AN SSSR, 1958. 370 p. Errata slip inserted. 1,500 copies printed.

Resp. Ed.: G.D. Rikhter, Doctor of Geographical Sciences, Professor; Ed. of Publishing House: D.N. Tugarinov; Tech. Ed.: N.D. Novichkova.

PURPOSE: This book is intended for meteorologists, hydrologists, pedologists, geologists, and students of physical geography in general.

COVERAGE: These articles are dedicated to Academician A.A. Grigor'yev in commemoration of his seventy-fifth birthday anniversary. They treat problems in physical geography pertaining to the northern regions of the USSR and particularly those of Yakutia. The majority of the articles are devoted to questions of latitudinal and vertical zonation and contain much factual material on the relationship between the various geographic components. Practical conclusions and meteorological principles are cited. Each article is accompanied by maps, photographs and numerous bibliographic references.

Problems in Physical Geography SOV/1781

AVAILABLE: Library of Congress

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8-11-59

Card 4/4

(7)

KUNITSYN, L.F.

10-58-2-26/30

The 4th Conference of Young Scientists of the Institute of Geography of the USSR Academy of Sciences 1957

(Izv Ak nauk SSSR, ser Geog, 1958, No.2, p.151-53, Gorbunova, M.N.)

formation of the relief of the Khibiny tundras; L.F. Kunitsyn on characteristic features of perennial frost in the northwest Siberian lowlands; N.S. Blagovolin on the morphology of karst occurences in the Aldan plateau: A.V. Yermakov on erosional waters in the Central Caucasus; A.A. Mints and B.S. Khorev on questions concerning economic-geographical typology of socialist cities exemplified by central industrial regions of the European part of the USSR; V.S. Mikheyeva on the typology of soil organization in the kolkhozes of the Trans-Oka region, Moscow Oblast'; B.S. Khorev on the industrial utilization of forests in connection with the construction of the Bratsk hydropower plant and the creation of an inundation zone; M.F. Khismatov on the utilization of mineral resources in northern Bashkiriya; K.N. Chernozhukov on the development of agricultural production and the utilization of tropic resources in South China; Ya.M. Berger on the industrialization of the Sin'tszyan-Uygurskaya Autonomous Oblast' (China); Yu.L. Pivovarov on the formation of the Ostrava industrial center (Czechoslovakia); A.A. Zasukhin on basic structural and geographical shifts in

Card 2/3

KUNITSYN, L. F., Candidate Geogr Sci (diss) -- "Analysis of the natural conditions in northern Transuralia for selecting the direction of the Ural-Pechora railroad line". Moscow, 1959. 15 pp (Acad Sci USSR, Inst of Geogr), 110 copies (KL, No 23, 1959, 162)

KuNITsyN, L.F.

3(

SOV/10-59-4-25/29

AUTHORS: Velichko, A.A., and Mints, A.A.

TITLE: The Sixth Conference of Young Scientific Workers of the Institut Geografii AN USSR (Institute of Geography AS USSR)

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya Geograficheskaya, 1959,Nr 4, pp 152-154 (USSR)

ABSTRACT: The article covers the Sixth Conference of Young Scientific Workers of the Institute of Geography AS USSR which took place in mid-March, 1958. 35 reports were read by the following scientific workers. I.S.Glukh reported on "Some Genetic Regularities in the Distribution of Atmospheric Precipitation", V.M. Kotlyakov and [illegible] Yevteyev commented on structural methods in snow and ice research in the Antarctic region; [illegible] spoke on the connection between the relief and hydrographical network and the latest tectonic movements in the Northern

Card 1/5

Trans-Ural Area. O.P. Ovchinnikova evaluated the evaporation according to the water balance method from the African continent; [illegible] Mironova discussed evaporation problems in the gulf of Kara-Bogaz-Gol; I.M. Lebedeva and Ye.N. Minayeva reported on the impact of solar radiation on snow during its melting in the Trans-Volga region; [illegible] spoke on snow radiation near the Elbrus Weather Station; Ye.Ye. Gurtovaya lectured on snow conditions in the mountains of Central Caucasus; N.N. Orlow reported on his new method to measure the amount of snow carried by winds, whereby snow-flakes are recorded by a photoelectric device; Yu.L. Rauner, Yu.L. [illegible]pova, and [illegible] Rudnev spoke on the heat balance observations they compiled at the Zagorskaya Scientific Station near Moscow; [illegible] Bass lectured on spring water discharge and soil washout also studied there; N.N. Dreyer and I.N.Stephenskaya lectured on how to

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calculate the maximal spring water discharge in the Yenisey and Lena rivers according to the method of [illegible] Sribnyy; [illegible] Nikolayeva lectured on sea levels of the Caspian sea during the 7-XIX centuries and [illegible] on the lake levels in the Turgay depression during 1849-1958; L.I. [illegible] reported on the rivers and lakes of the Vitim plateau; [illegible] discussed Pliocene forms of relief in the river valleys of the Kama basin; A.A. Velichko elucidated on loess deposits in the central areas of the Russian plain; [illegible] lectured on "Torrent-Like Phenomena in Daghestan" and A.Ye. [illegible] on "Classification of Torrents in Central Caucasus"; A.G. Chikishev gave a geobotanic survey of the Central Urals; [illegible] lectured on the division of the Trans-Ural wood-and-steppe area into single relief types;

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SOV/10-59-4-25/29

The Sixth Conference of Young Scientific Workers of the Institut Geografii AN USSR (Institute of Geography AS USSR)

M.Ye. Gorodetskaya explained how the hollows on the left bank of the Irtysh river near Pavlodar originated; N.K. Fritskaya gave a short physical and geographical survey on the Trans-Angara area; M.Ya. Venzher reported on her work experience in the analysis of a map of morphogenetic ground forms made by aerial photography in the Buryatskaya ASSR. D.A. Timofeyev discussed relief origin in the southern part of the Amur and Zeya rivers area; V.F. Chichagov compared morphological and morphometric methods to measure roll coefficients; O.N. Shubnikova and Yu.V. Morozov gave a zoogeographical survey on birds in the central part of the Yakutskaya ASSR; Ye.S. Shatilo reported on the development of the Karaganda industrial area; A.V. Tikhonov discussed data on the distribution and specific features in the fishing economy of the Evenkiyskiy natsional'nyy okrug (Evenki National

Card 4/5

Area); V.L. Gorovoy and B.S. Khorev reported on the lumber industry in the Arkhangel'skaya oblast' and Gor'kovskiy ekonomicheskiy rayon (Gor'kiy Economic District) respectively; N.P. Shtrikker and G.L. Mel'nikova lectured on the physical traits, population, and economy of the Land Baden-Wuerttemberg, West Germany. The conference was also attended by representatives of the Moskovskiy gosudarstvennyy universitet (Moscow State University), Tsentral'nyy institut prognozov (Central Institute of Prognoses), Institut merzlotovedeniya AN SSSR (Institute of Permafrost Research AS USSR), and other organizations. The following senior workers of the Institute of Geography AS USSR took part in the discussions: A.P. Gal'tsov, B.L. Dzerdzeyevskiy, L.D. Dolgushin, A.G. Doskach, N.B. Dumitrashko, M.I. L'vovich, S.N. Ryazantsev, M.P. Sribnyy, B.A. Fedorovich, and others.

Card 5/5

34

KUNITSYN, L.F.

Physicogeographical regionalization of Kamchatka. Biul.MOIP.Otd.geol. 38 no.2:164 Mr-Ap '63.

(MIRA 16:5)

(Kamchatka—Physical geography)

KUNITSYN, L.F.; NIKOL'SKAYA, V.V.

First volume of the Kamchatka Branch of the Geographical Society. Izv. AN SSSR. Ser. geog. no.5:140-141 S-O '63. (MIRA 16:10)

KUNITSYN, L.F.

Problems of the physical geography of the Urals. Izv. AN SSSR. Ser. geog. no.5:150-151 S-O '63. (MIRA 16:10)

KUNITSYN, N.

Let's organize brck manufacturing on each collective farm. Sel'. stroi. 11 [i.e.12] no.1:20-21 Ja '57. (MLRA 10:3)

1. Glavnyy inzhener Krasnodarskogo krayevogo upravleniya po stroitel'-stvu v kolkhozakh.
(Brickmaking)

KUNITSYN, N.

Surface ensilage of feeds. Sel'. stroi. 12 no.7:19 Jl '57.
(MLRA 10:8)

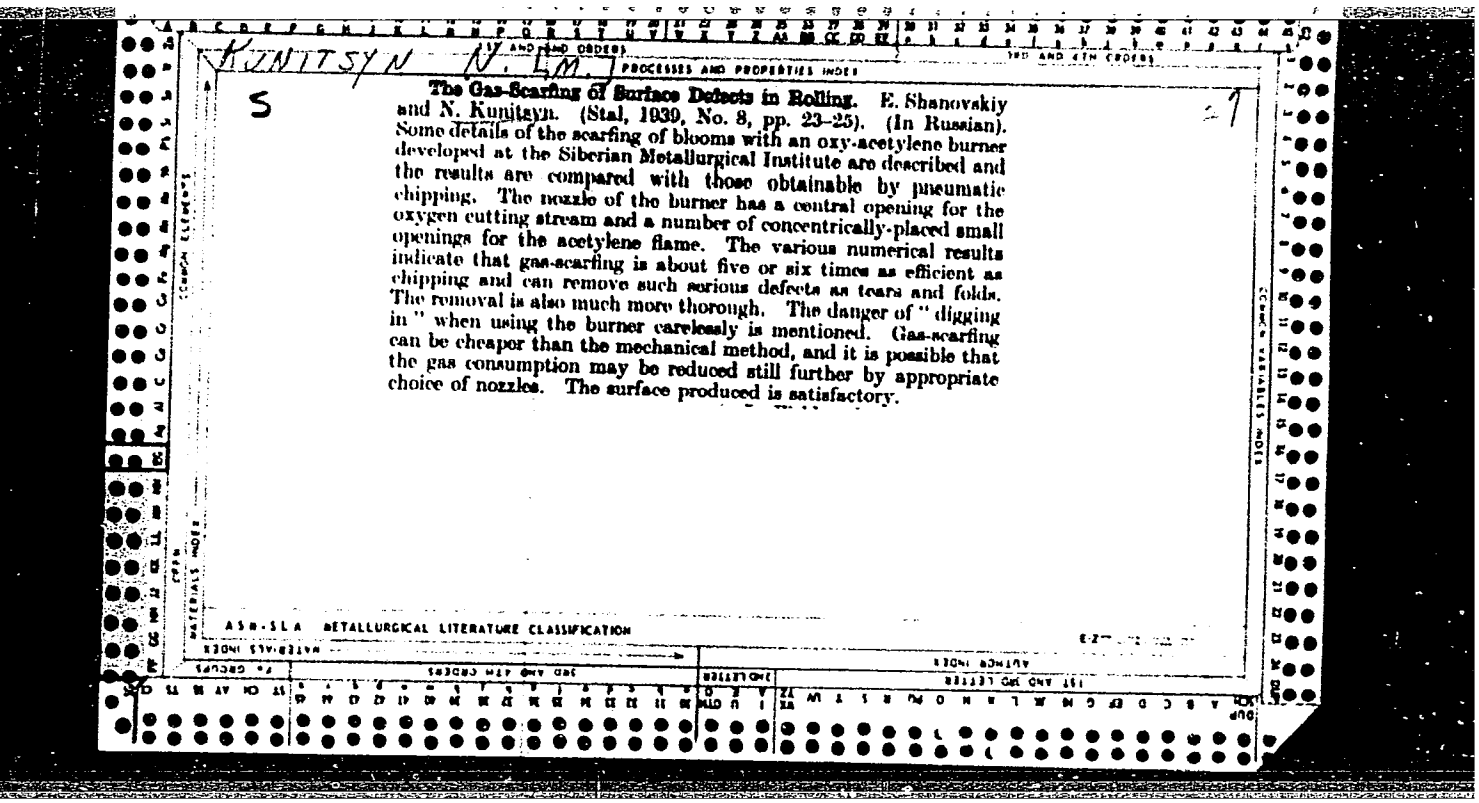
1. Glavnyy inzhener Krasnodarskogo krayevogo upravleniya po stroitel'stvy v kolkhozakh.

(Silos)

KUNITSYN, N.; ZARINA, A.

Collective farms of Kuban eill make one hundred million bricks. Sel'. stroi. 13 no.6:10 Je '58. (MIRA 11:6)

1.Glavnyy inzhener Krasnodarskogo krayevogo upravleniya po stroitel'stvu v kolkhozakh (for Kunitsyn). 2.Starshiy ekonomist Krasnodarskogo krayevogo upravleniya po stroitel'stvu v kolkhozakh (for Zarina).
(Kuban--Brickmaking)



KUNITSYN N. M.

S

The Gas-Scarfing of Surface Defects in Rolling. E. Shanovskiy and N. Kunitsyn. (Stal, 1939, No. 8, pp. 23–25). (In Russian). Some details of the scarfing of blooms with an oxy-acetylene burner developed at the Siberian Metallurgical Institute are described and the results are compared with those obtainable by pneumatic chipping. The nozzle of the burner has a central opening for the oxygen cutting stream and a number of concentrically-placed small openings for the acetylene flame. The various numerical results indicate that gas-scarfing is about five or six times as efficient as chipping and can remove such serious defects as tears and folds. The removal is also much more thorough. The danger of "digging in" when using the burner carelessly is mentioned. Gas-scarfing can be cheaper than the mechanical method, and it is possible that the gas consumption may be reduced still further by appropriate choice of nozzles. The surface produced is satisfactory.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

KUNITSYN, N. M.

FA 6/49T13

USSR/Engineering
Welding, Autogenous
Welding - Methods

Sep 48

"Use of Coke Gas in Place of Acetylene," N. M. Kunitsyn, Engr, Siberian Metallurgical Inst, 3¼ pp

"Stal'" No 9

Coke gas can be used instead of acetylene for autogenous welding. Discusses theory of combustion and design of nozzle.

6/49T13

KUNITSYN Nikolay Mikhaylovich.

KUNITSYN, N.M.;LIVSHITS, M.M., redaktor; GOLYATKINA, A.G., redaktor; MIKHAYLOVA, V.V., tekhnicheskiy redaktor

[Gas flame surface hardening of rolling mill rollers] Gazoplamennaia poverkhnostnaia zakalka prokatnykh valkov. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1953. 70 p. [Microfilm] (MLRA 7:10)

(Rolling mill machinery)
(Metals--Hardening)

Stalin Prize, 3rd class, 1952

SOV/137-59-1-814

Translation from: Referativnyy zhurnal. Metallurgiya, 1959, Nr 1, p 110 (USSR)

AUTHORS: Kunitsyn, N. M., Shamovskiy, E. Kh., Yakovlev, I. M., Soroko, L. N.

TITLE: The Design of a Wide-path Cutting Blowpipe for Flame Cleaning of Metal (Proyektirovaniye shirokozakhvatnogo rezaka dlya ognevoy zachistki metalla)

PERIODICAL: Izv. vyssh. uchebn. zavedeniy, Chernaya metallurgiya, 1958, Nr 3, pp 154-160

ABSTRACT: The authors describe the design of a slot-type head for a coke-oxygen operated cutting blowpipe for surface flame planing capable of producing a groove 100-150 mm wide. The ratio of the groove width to the width of the exit slot on the head amounts to 2-3. At a groove depth of 4-5 mm, the rate of cutting amounts to 6 m/min. The rate of cutting metal preheated to a temperature of 900-100°C [sic!] increases to 20-21 m/min, the heating time being reduced from 8-12 to 2-4 seconds. The stability of cut and the cross section of the groove are functions of the geometry of the nozzle and of the nature and the dimensions of the hot spot. The shape of cone-and-slot type nozzles is most efficient in preventing bifurcation of the groove.

Card 1/2

SOV/137-59-1-814

The Design of a Wide-path Cutting Blowpipe for Flame Cleaning of Metal

Smooth transition from the throat to the slot of the blowpipe is an essential consideration in the design of the nozzle.

G. K.

Card 2/2

S/148/60/000/010/016/018
A161/A030

AUTHORS: Nazarov, I.S.; Korochkin, Ye.I.; Kunitsyn, N.M.

TITLE: Autogenous Steel Furnace

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Chernaya metallurgiya, 1960, No. 10, pp. 157 - 162

TEXT: The Siberian Metallurgical Institute has developed a new type of steel furnace, based on the same principle as autogenous cutting. The small, 0.3 ton capacity, experimental furnace has been tested at the Kuznetskiy metallurgicheskiy kombinat (Kuznetsk Metallurgical Combine). It is shown in the cross section drawing (Fig. 1). The major data are: 0.5 m^2 bottom; 0.16 m deep bath; charging through removable top; combustion products were let out through two ducts straight into the foundry air, and gas through ports in the roof; 8 burners of design shown in Figure 2 were installed 50 mm above the metal surface in special magnesite blocks and stuck 10 - 12 mm out into the furnace to get the flame close to metal. The fuel was coke gas with oxygen; the burners were cooled with water. Both types of the tried injection burners proved unsatifactory (the flame was pulled in at a slight pressure increase above 1.5 atm above normal atmospheric

Autogenous Steel Furnace

pressure). The experiment conditions were unfavorable - the furnace only worked periodically when oxygen was available, and it could not be normally preheated, heat losses in the small furnace were high, and the burners did not work well, but the metal melted rapidly and could be brought to 1,650°C for tapping without any difficulty. The mechanical properties of the metal were close the conventional open-hearth steel, and hydrogen content did not exceed the usual. The conclusion was made that the autogenous melting principle is feasible, and metal can be melted fast and heated to a higher temperature than is possible in an open-hearth furnace. The furnace is extraordinarily simple, may be easily automated, and steel of any composition may be melted by addition of alloy elements to the end of heat process. Experiments with larger furnace are necessary. The principle may be applied for speeding up the heat in existing open-hearth and electric furnaces. There are 2 figures.

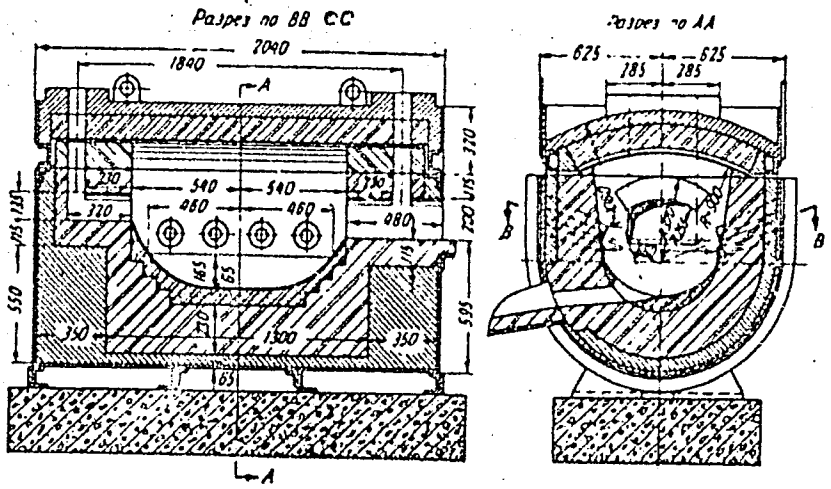
ASSOCIATION: Sibirskiy metallurgicheskiy institut (Siberian Metallurgical Institute)

SUBMITTED: May 13, 1960

S/148/60/000/010/016/018
A161/A030

Autogenous Steel Furnace

Figure 1



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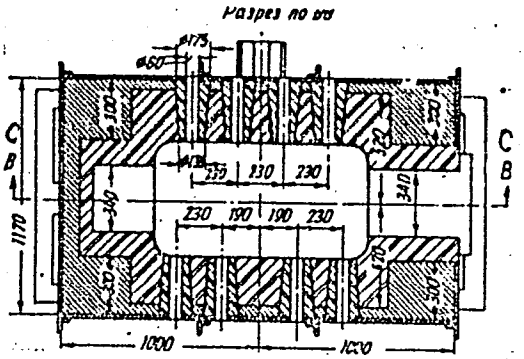
Autogenous Steel Furnace

Figure 1 (continued)



Card 4/5

Autogenous Steel Furnace

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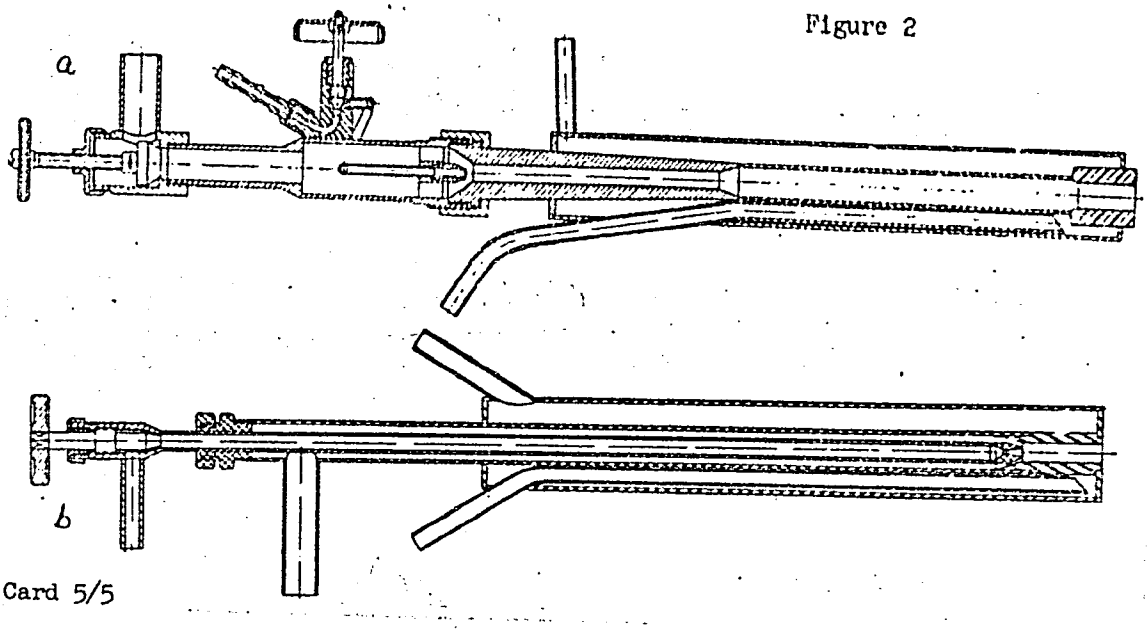
A161/A030

Figure 2



Card 5/5

KUNITSYN, P.V., nauchnyy sotrudnik.

Method of determining the water absorption of building stones. Stroi.prom. 31 no.10:31-32 O '53. (MLRA 6:11)
(Building stones)

KUNITSYN, S.A.

The K-471B single-crank double-action press with 100/63-ton capacity. Biul.tekh.-ekon.inform. no.3:12-13 '60.
(MIRA 13:6)
(Power presses)

PA - 3613

AUTHOR: ISAYEV,A.I., KUNITSYN,S.I.

TITLE: Investigation of the Dynamics of the Cutting Process for the Gearing of Bevel Gears by Means of Cutting Heads. (Issledovanie dinamiki protsessa rezaniya pri narezanii konicheskikh koles krugovymi zub'yami, Russian)

PERIODICAL: Stanki i Instrument, 1957, Vol 28, Nr 6, pp 12 - 15 (U.S.S.R.)

ABSTRACT: This investigation is of direct practical importance for a rational selection of the cutting values, the construction of cutting heads, calculation of the strength of the components of the kinematic lines of machines, the selection of suitable driving motors, etc. Besides, it is possible, according to the law for the variations of cutting force components, to calculate working accuracy in consideration of the rigidity of the elastic technological system: machine-workpiece-tool.

As shown by experiments carried out, the diameter of cuttings differs; it depends on the position of the cutter in the cavity of the gear to be worked. Cutting widths of the exterior and interior steel cutter are not equal, which means that they are also subjected to different stresses. As may be seen from illustration 8, the maximum stress acting upon the outer steel cutters is up to 3 times as great as that of the inner cutter, which means that it will also be subjected to greater wear. The different stress acting upon

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PA - 3613

Investigation of the Dynamics of the Cutting Process for the Gearing of Bevel Gears by Means of Cutting Heads.

individual steel cutters.exercises considerable influence upon the accuracy and neatness with which surfaces are worked. Detailed calculations follow. (12 illustrations and 1 table)

ASSOCIATION: Not given
PRESENTED BY:
SUBMITTED:
AVAILABLE: Library of Congress

Card 2/2

KUNITSYN, S. I., Cand Tech Sci -- (diss) "~~Investigation~~ Study of the effect of cutting ~~power~~ force and hardness ~~of~~ of a machine tool system on the ~~accuracy of finishing~~ machining precision of bevel wheels with circular gears." Mos, 1958. 13 pp. (Min Higher Ed USSR, Mos Aviation ~~Technol~~ Engineering Inst), 100 copies. (KL,9-58, 118)

KUNITSYN, S I.

3

Ø 3

AUTHOR: None given SOV/122-58-6-36/37

TITLE: Authors' Summaries of Dissertations (Avtoreferaty dissertatsiy)

PERIODICAL: Vestnik Mashinostroyeniya, 1958, Nr 6, p 87 (USSR)

ABSTRACT: V.A. Antonov - Investigation of the Centrifugal Cleaning of Oil for a High-speed Diesel Engine (Issledovaniye tsentrobezhnoy ochistki masla na bystrokhodnom dizel'nom dvigatele). The summary was submitted to the Saratovskiy sel'skokhozyaystvennyy institut (Saratov Agricultural Institute): the results of an experimental investigation of the effect of centrifugal cleaning and filtration of oil and of the effect of the additives AzNII-4 and TsIATIM-339 on the wear of a stationary high-speed engine and on the ageing of the oil are reported. Arising from the investigation carried out, it is concluded that centrifugal filtering of oil in the lubrication system reduces the wear of the 2Ch-10.5/13-3S engine more than two-fold.
Kh.Kh. Kendzhayev - The Effect of the Blunting and Wear of a Grinding Wheel on Output and Precision in Cylindrical Grinding (Vliyaniye zatupleniya i iznosa shlifoval'nogo kruga na proizvoditel'nost' i tochnost' obrabotki pri kruglom shlifovanii). The summary was submitted to the Moskovskiy

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stankoinstrumental'nyy Institut (Moscow Machine Tool and Cutting Tool Institute) imeni Stalin : the quantitative relations between the wear and blunting of a grinding wheel on the one hand and several factors affecting the grinding process on the other hand have been established as a result of tests carried out. The relations between the wear and blunting and the output and precision of grinding have also been found.

A.S. Yablonskiy, N.S. - Problems of Design and Manufacture of Non-circular Gear Wheels (Voprosy proyektirovaniya i proizvodstva nekruglykh zubchatykh koles). The summary was submitted to the Leningradskiy politekhnicheskiy institut (Leningrad Polytechnical Institute): the design of a modified gear hobbing machine for the cutting of non-circular gear wheels with closed centroids is described. A fixture for machining such wheels with the help of an external master is shown. A new variant of a modification scheme for a standard gear hobbing machine is proposed. Gear hobbing machines so modified can be used to cut both circular and non-circular gear wheels.

Authors' Summaries of Dissertations SOV/122-58-6-36/37

M.N. Pilipenko - Investigation of the Operation of Roller-type Brakes, Backstops and Other Free-wheeling Mechanisms (Issledovaniye raboty rolikovykh tormozov, rolikovykh ostanovov i nekotorykh drugikh mekhanizmov svobodnogo khoda). The summary was submitted to the Leningradskiy politekhnicheskiy institut (Leningrad Polytechnical Institute) imeni M.I. Kalinina: based on theoretical and experimental studies of free-wheel roller mechanisms, the conditions of static and dynamic wedging and disengagement of the rollers are established. The limits of reliable functioning of these mechanisms are given for the cases when the driving element is the profiled sleeve or the external race. Based on these studies, a new roller mechanism has been developed, free from the drawbacks of existing designs. A procedure for designing the new mechanism is evolved.

S.I. Kunitsyn - Investigation of the Effect of the Cutting Forces and the Machine Tool Stiffness on the Machining Accuracy of Bevel Gears with Circular Teeth (Issledovaniye vliyaniya sil rezaniya i zhestkosti stanka na tochnost' obrabotki konicheskikh koles s krugovym zubom). The summary was submitted to the Moskovskiy aviatsionnyy tekhnologicheskiy institut (Moscow Institute of Aviation Technology):

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the dynamics of cutting bevel gears with circular teeth of modules up to 2.5 mm and the stiffness of the machine-workpiece-cutting tool system are analysed in the dissertation. The effect of the elastic deformation of the machine tool components on the accuracy of gear cutting is established. The machining finish of the tooth profile depending on the cutting condidtions is examined. The studies carried out can be used in designing machines for cutting small pitch spiral bevel gears and for predicting the machinining accuracy and the finish obtained XXXXXXXXXXX on hhe tooth flanks.

Card 4/4

KUNITSYN, S.I.

ISAYEV, A.I., doktor tekhn. nauk; KUNITSYN, S.I., inzh.

Investigating the effect of machine-tool rigidity on the precision of machining round-toothed bevel gear. Vest. mash. 38 no.1:73-77 Ja '58. (MIRA 11:1)

(Gear cutting)

KUNITSYN, S. I.

25(1) PHASE I BOOK EXPLOITATION SOV/3090

Moscow. Aviatsionnyy tekhnologicheskiy institut

Issledovaniye protsessov vysokoproizvoditel'noy obrabotki metallov rezaniyem (Analysis of High-productivity Metal-cutting Processes) Moscow, Oborongiz, 1959. 130 p. (Series: Its: Trudy, vyp. 38) 3,600 copies printed.

Sponsoring Agency: Ministerstvo vysshego obrazovaniya SSSR.

Ed. (Title page): A.I. Isayev, Doctor of Technical Sciences, Professor; Ed. (Inside book): S.I. Bumshteyn, Engineer; Ed. of Publishing House: P.B. Morozova; Tech. Ed.: N.A. Pukhlikova; Managing Ed.: A.S. Zaymovskaya, Engineer.

PURPOSE: This collection of articles is intended for designers and engineers in the field of machine-tool equipment and mechanical machining. It may also be useful to workers at scientific research institutes and aspirants.

COVERAGE: This collection of articles deals with problems arising in high-productivity metal-cutting processes. Emphasis is given to grinding operations for parts made from constructional alloys. Machining regimes and methods of improving machining operations are presented. No personalities are mentioned. References follow each article.

AVAILABLE: Library of Congress

Card 3/3 VK/jb
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3

KUNLESYN, S.I.; YUSHKOV, S.I.

Efficient geometry of cutting tools for machining manganese steel. Stan. i instr. 35 no.10:31-32 O '64. (MIRA 17:12)

KUNITSYN, V. D.

Syndrome of hydraulic trauma of lower segment of the spinal cord. Vopr. neirokhir. 15 no. 3:50-55 May-June 1951.

(CIML 21:3)

1. Penza.

USSR / Human and Animal Physiology. The Nervous System. T

Abs Jour: Ref Zhur-Biol., No 9, 1958, 41683.

Author : Kunitsyn, V. D.
Inst : Penza Oblast Hospital.
Title : Hydraulic Factors in Trauma of the Central Nervous System.

Orig Pub: Sb. nauch. robot vrachey Penzensk. obl. bolnitsy. 1957, No 2, 26-35.

Abstract: The sudden displacement of the cranium in space appears to represent the basic pathogenic instant of disturbances observed in brain injuries. In this, the cranium, representing an integral hard system, transmits the impact to the brain. A hy-

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USSR / Human and Animal Physiology. The Nervous System. T

Abs Jour: Ref Zhur-Biol., No 9, 1958, 41683.

Abstract: draulic impact results in the ventricles of the brain, injuring the adjacent structures. The resulting increase in intracranial pressure leads to distortion of the circulation in the whole vascular system of the brain. The hydraulic shock also injures the nervous apparatus of the cerebral vessels, which causes denervation of the vessels. The authors propose the substitution of the terminology "cerebral concussion" by "syndrome of the hydraulic cerebral trauma" reflecting the pathogenic instant of the illness. - M. N. Fishman.

Card 2/2

USSR/Farm Animals. Small Horned Stock. Q

Abs Jour: Ref Zhur-Biol., No 4, 1958, 16818.

Author : Kunitsyn V. I.
Inst :
Title : The Influence of Different Types of the Semen of Rams on the Quality of the Progeny (Vliyaniye razlichnykh tipov semeni baranov na kachestvo potomstva)

Orig Pub: Sb. nauchno-issled. rabot stud. Stavropol'sk. s.-kh. in-t, 1956, vyp. 4, 76-79.

Abstract: In the experience of artificial insemination with a mixed semen of two rams of the Stavropol' breed, bred under different conditions, the percentage of fertilization was 99.6 and 97.6 as ag-

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Abs Jour: Ref Zhur-Biol., No 4, 1958, 16818.

ainst 93.8 and 95.1 in insemination by unmixed semen; the number of lambs per 100 dams amounted to 162.7 and 144.3 as against 143.2 and 128.2, respectively. Live weight and wool yield in progeny of the experimental group was higher than that in the controls.

BOGOLYUBOV, A.N.; KUNITSYNA, R.V.; SOCHEVANOV, M.N.

Using combined geophysical methods during prospecting for mineral waters in Dzhetyoguz. Sov. geol. 7 no.10:141-150 O '64. (MIRA 17:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut razvedochnoy geofiziki.

LOVACHEVA, G.; KUNITSYNA, S.

Specification of ingredients is needed. Obshchestv. pit. no.11:23 N '61. (MIRA 15:2)

(Soups)

KUNITSYNA, T.A., dotsent; YEFIMOV, V.I., vrach

Use of the cytological method in the diagnosis of esophageal cancer. Sbor. nauch. rab. Sar. gos. med. inst. 44:260-266 '64. (MIRA 18:7)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav. - prof. Popov'yan, I.M. [deceased]) Saratovskogo meditsinskogo instituta (rektor - dotsent N.R. Ivanov).

KUNITSYNA, Tat'yana Aleksandrovna

Experiment analysis of ether-oxygen narcosis in surgical clinic.

Dissertation for candidate of a Medical Science degree.
Chair of the Department of Surgery (head prof. I.M. Popov'yan) Saratov Medical Institute, 1954

KUNITSYNA, T.A. (Saratov, ul. Shevchenko, d. 31, kv. 1)

Diagnosis and treatment of extrapulmonary intrathoracic tumors. Vest.khir. 81 no.11:99-104 N '58. (MIRA 12:3)

1. Iz fakul'tetskoy khirurgicheskoy kliniki imeni S.R.Mirotvortseva (dir. - prof. I.M.Popov'yan) Saratovskogo meditsinskogo instituta.

(CHEST--TUMORS)

KUNITSYNA, T.A., dotsent

Significance of some technical moments in the development of insufficiency of esophagointestinal anastomosis following transabdominal gastrectomy. Sbor. nauch. rab. Sar. gos. med. inst. 44:256-259 '64. (MIRA 18:7)

1. Iz kafedry fakul'tetskoy khirurgii (zav. - prof. I.M. Popov'yan [deceased]) Saratovskogo meditsinskogo instituta (rektor - N.R. Ivanov).

KUNITSYNA, T.A.; OLINA, I.I.; SIDEL'NIKOVA, Ye.V.

Immediate and late results of surgical treatment of stomach cancer. Vop.onk. 7 no.12:78-83 '61. (MIRA 15:1)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav. - prof. I.M. Popov'yan) Saratovskogo meditsinskogo instituta (dir. - dots. N.R. Ivanov).
(STOMACH—CANCER) (STOMACH—SURGERY)

KUNITZER, Istvan, dr.

Modern aspects of oncological care. Nepegeszsegugy 37 no.1:15-20 Jan 56

1. Kozlemeny a Budapest fovaros I. keruleti tanacs onkologiai gondozojabol (rendelointezet igasgatoja: Lippe Ede dr. onkologiai gondozo foorvosa: Kunitzer Istvan dr.

(NEOPLASMS, prev. & control
cancer detection & prev. by pub. health workers in Hungary, diag. problems (Hun))

(PUBLIC HEALTH
pub. health workers in cancer detection & prev. in Hungary, diag. problems (Hun))

KUNIVASKAIA S. B., FISHER I.I.

Proba Nesterova pri nektorykh zabolevaniiakh vnutrennikh organov.
[Nesterov's test in certain diseases of internal organs] Ter.
arkh. 23:2 Mar-Apr 51 p. 63-7.

1. Of the Propedeutic Therapeutic Clinic (Director—Prof. I. I.
Tsvetkov), Saratov Medical Institute.
CLML Vol. 20, No. 10 Oct 1951

FAIUDY-DANIYEL, A.; KUNKHALMI, M.; KHAFIYEK, A.; D'URYAN, I.

Content of free amino acids and protein amino acids in normal leaves and leaves with mutant chloroplasts. Fiziol. rast. 12 no.5:871-875 S-O '65. (MIRA 19:1)

1. Kafedra genetiki Universiteta imeni Etveshha Loranda, Budapesht, Vengriya.

ABRAMSON, Lev Solomonovich; KUN'KIN, B.I., red.; TARASOVA, T.K., mlad. red.; YEROKHINA, L.I., tekhn. red.

[Working capital of construction organizations] Oborotnye fondy stroitel'nykh organizatsii. Moskva, Ekonomika, 1964. 135 p. (MIRA 17:4)

YAKOVETS, Yuriy Vladimirovich; ASTAKHOV, V.D., red.; KUN'KIN, B.I., red.

[Methodology of price determination in the mining industry] Metodologiia tsenoobrazovaniia v gornodobyvaiushchei promyshlennosti. Moskva, Ekonomika, 1964. 214 p. (MIRA 17:12)

1. Zaveduyushchiy kafedroy politicheskoy ekonomii Leningradskogo gornogo instituta (for Yakovets).

KUNKIN, N., inzh.

Suggested by the voluntary design office. NTO 4 no.11:19 N '62. (MIRA 16:1)

1. Byuro tekhnicheskoy informatsii Rybinskogo zavoda poligraficheskikh mashin.
(Rybinsk--Printing machinery and supplies)

KUNKIN, N.I.

Automatic control of cutting machines. Mashinostroitel' no.8:11 Ag '64. (MIRA 17:10)

KUNKIN, V.R., inzh.

New designs of electric locomotives for open-pit mines. Nauch. trudy Mosk. inst. radioelek. i gor. elektromekh. no.46:51-63 '62. (MIRA 17:1)

POPSUYENKO, Aleksandr Profir'yevich; PRIYMENKO, Pavel Aleksandrovich; KOSIKOV, Ivan Mikhaylovich; PONOMAREV, Aleksey Timofeyevich; KUMKIN, V.R., redaktor; STIKHNO, T.V., tekhnicheskiy redaktor

[Experience in reducing idle time of locomotives in repair shops; the Ilanskiy depot of the Krasnoyarsk Railroad] Opyt sokrashcheniia prostoia perovozov v remonte; depo Ilanskaia Krasnoiarskoi zheleznoi dorogi. Moskva, Gos.transp.zhel-dor. izd-vo, 1957. 71 p. (MLRA 10:10)
(Ilanskiy--Locomotives--Maintenance and repair)

KUNKIN, V.R.

Introducing rotary machines in plants of the Kursk Economic Council.
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(Kursk--Technological innovations)

ZLOBIN, V.F.; KUNKIN, Ya.A.; MIL'SHTEYN, M.Z.; RABITSKIY, V.A.

Diamond grinding of a sectional multicut hard-alloy tool. Mashinostroitel' no.10:16-18 O '64. (MIRA 17:11)

KUNKIN, Ya.A.; BAL'SHIN, V.G.; BARANNIK, Yu.P.; EMAYKIN, A.I.

Diamond grinding of small high-speed reamers. Mashinostroitel' no.10:20-21 O '64. (MIRA 17:11)

KUNKIN, Ya.A.

KARPOV, V.F., inzhener, redaktor; KUNKIN, Ya.A., kandidat tekhnicheskikh nauk, redaktor.

[Mechanical processing of metals; work of the Novo-Kramatorsk Machine-building Plant] Mekhanicheskaia obrabotka metallov; iz opyta NKMZ. Pod. red. V.F.Karpova. Kiev, Gos. nauchno-tekhn. izd-vo mashinostroit. i sudostroit. lit-ry [Ukr.otd-nie] 1953. 49 p. (MLRA 7:6)

1. Novo-Kramatorskiy mashinostroitel'nyy zavod.
(Metalwork)

SEMINSKIY, V.K.; KUNKIN, Ya.A.

Practical application of V.A.Kolesov's method in boring operations. Stan.i instr. 24 no.7:27-28 Jl '53. (MLRA 6:8)
(Drilling and boring machinery)

KUNKIN, Ya., kand. tekhn. nauk; SILKIN, A., inzh.

Increasing the quality of work in overhauling ZIL-120 engines.
Avt. transp. 36 no.1:17-18 Ja '58. (MIRA 11:1)
(Automobiles--Engines--Maintenance and repair)

SEMINSKIY, Vitaliy Kupriyanovich; KUNKIN, Yakov Abramovich; RUDNIK, S.S., prof., red.; KUDRYAVTSEV, G., red.; PATSALYUK, P., tekhn.red.

[Attachments and devices for lathe work] Prisposobleniia i instrumenty dlia tokarnoi obrabotki. Pod red. S.S. Rudnika. Kiev, Gos.izd-vo tekhn.lit-ry USSR, 1959. 233 p. (MIRA 12:5)
(Lathes--Attachments)

KUNKIN, Yakov Abramovich; VASILENKO, M., red.; POSMETUKHIN, N., tekhn. red.

[Fundamentals of machining metals on lathes] Osnovy rezaniia metallov pri tokarnoi obrabotke. Kiev, Gos. izd-vo tekhn. lit-ry, 1961. 85 p. (MIRA 14:11)

(Turning)

KUNKIN, Ya.A., kand.tekhn.nauk

Improve the technology of repairing connecting rods. Mekh. sil'. hosp. 12 no. 2:17-19 F '61. (MIRA 14:4)
(Connecting rods)

KUNKIN, Ya.A., kand.tekhn.nauk; PIDGAYETSKIY, G.Ya. [Pidhaiets'kyi, H.IA.], inzh.; LEVITSKIY, Sh.A. [Levyts'kyi, Sh.A.], inzh.

Machinery surfaces of connecting rod joints. Mekh. sil'. hosp. 12 no.9:10-12 S '61. (MIRA 14:11)
(Connecting rods)

KUNKIN, Ya., kand. tekhn.nauk

Repair of ZIL-12 and GAZ-51 engine connecting rods. Avt.transp. 39 no.4:28 Ap '61. (MIRA 14:5)

1. Ukrdortransnii.
(Automobiles—engines) (Automobiles—Maintenance and repair)

KUNKIN, Ya., kand.tekhn.nauk; PODGAYETSKIY, G., inzh.; LEVITSKIY, Sh., inzh.

Machining surfaces of connecting rod joints. Avt.transp. 39 no.10:29-30 O '61. (MIRA 14:10)
(Milling machines--Attachments)

KUNKIN, Ya.A., kand. tekhn. nauk; FAYN, L.S., inzh.

Bench for simultaneous drilling of holes in the end of a connecting rod. Mekh. sil'. hosp. 12 no.12:7-9 D '61. (MIRA 17:1)

KUNKIN, Ya.A., kand. tekhn. nauk; RYBITSKIY, V.A., inzh.

Diamond lapping of boring heads for machining tractor engine sleeves. Mashinostroenie no.3:22-24 My-Je '64.
(MIRA 17:11)

KUNKIN, Ya.A., kand.tekhn.nauk; MIL'SHTEYN, M.Z., kand.tekhn.nauk; RYBITSKIY, V.A., kand.tekhn.nauk

Efficiency of diamond machining of hard-alloy cutters. Mashinostroitel' no.3:18-19 Mr '65. (MIRA 18:4)

KUNKIN, Ya.A., kand. tekhn. nauk; BARANNIK, Yu.P., inzh.; MIKHEL'SON, S.Ya., inzh.

Fine diamond grinding of the curvilinear surface of a hardened steel cam disk. Mashinostroenie no.3:54-56 My-Je '65. (MIRA 18:6)

KUNKIN, Ya.A., kand. tekhn. nauk; BARANNIK, Yu.P.; MIKHEL'SON, S.Ya.

Using synthetic diamond paste in lapping holes. Mashinostroitel' no.9:41 S '65. (MIRA 18:12)

KUN'KO, V.M.

The village we live in. Rab. i sial. 37 no.1:12-13 Ja '61.
(MIRA 14:2)

1. Zasluzhenaya uchitel'nitsa shkol BSSR, lichnaya pensionerka.
(White Russia--Rural conditions)

KUN'KO, V. M. (Lipen', Bobruyskiy rayon)

A mother of guerrilla fighters. Rab. i sial. 39 no.2:7-8 F '63. (MIRA 16:4)

(Bobruysk District--World War, 1939-1945--Underground movements)

DANTSIS, Ya.B., kand.tekhn.nauk; ZHILOV, G.M.; KUNKS, E.I., inzh.

Current distribution in the flexible conductors of large ore-smelting furnaces. Vest.elektroprom. 32 no.2:58-64 F '61. (MIRA 15:5)

(Electric furnaces)

PAPOYAN, S.A., prof.; KUNKUMADZHYAN, V.A., mladshiy nauchnyy sotrudnik; GEVORKYAN, L.S.

Effect of some antiseptic substances on the ascitic Ehrlich's tumor. Vop. radiobiol. [AN Arm. SSR] 3/4:293-299 '63.
(MIRA 17:6)

KUN KUTI, Karton, dr., kozepiskolai tanar (Budapest)

Ultimate limits of the possibilities of spaceflight. Term tud kozl 9 no.1:16-18 Ja '65.

KUN KUTI, Marton

Determinant K_n and its applications. Mat lapok 13 no.3-4: 298-310 '62.

KUNNAP, E.; SILLAMAA, H., kand. tekhn. nauk, retsenzent; ABO, L., red.; PILL, A., tekhn. red.

[Automatic control] Automaatreguleerimine. Tallinn, Eesti Riiklik Kirjastus, 1960. 279 p. [In Estonian]

(MIRA 15:1)

(Automatic control)