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SUKHOV, K.S.

"Virus inclusions in plant cells." M.I. Gol'din. Reviewed by K.S.
Sukhov. Mikrobiologiia 25 no.1:132-133 Ja-F '56 (MIRA 9:5)

(VIRUSES) (PLANT DISEASES) (GOL'DIN, M.I.)
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Discoursery of a "noninfectious" phase in the development of the tobacco mosaic virus. Dokl. AN SSSR 110 no.3:469-471 S *56. (MLRA 9:12)

1. Institut genetiki Akademii nauk SSSR. Predstavleno akademikom A.I. Oparinym.

(MOSAIC DISRASE)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001653820010-5"

SUKHOV, K.S., professor.

Hereditary changes in phytopathogenic viruses. Agrobiologiia nc.1:36-53 Ja-7 '57. (MIRA 10:4)

1. Institut genetiki Akademii nauk SSSR.
(Virus diseases of plants) (Heredity of acquired characters)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001653820010-5"

Country : USSR

Category : Plant Diseases, Diseases of Cultivated Plants.

Abo Jour. : Aif. Chur.-Eiolopiya No. 11, 195). Sc. 49267

Author Sukhov, K.S.; Razvyazkina, G.M.

Institute : Not given

Title : Sugar Best Yellows

Orig. Pub.: Mashchita runt. ot vredit. i bolezney, 1957,

No. 6, 55

Abstract : This disease which is widespread throughout the countries of Western and Central Europe has been

detected in the western regions of the USSR. The symptoms of yellows, its carriers, the susceptibility in plants of different families

are described.

Card 1/1

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CIA-RDP86-00513R001653820010-5

E

USSR / Virology. Plant Viruses.

Abs Jour: Ref Zhur-Biol., No 5. 1959, 19289.

author : Sukhov K. So-

Inst : Institute of Genetics, AS UBR.

Title : The Problem of Hereditary Mutation of Phyto-

pathogenic Viruses.

Orig Pub: Tr. In-ta genet. AN BSR, 1958, No 24, 117-137.

Abstract: A paper read at the International Symposium on

Genetics in Tokyo on September 6, 1956. The results of experimental investigations of the author on mutation of some phytopathogenetic viruses are presented: (see Alh3icl., 1956,

52669, S4627). 12 photographs.

Card 1/1

多名的語言學觀察發展開發體學習得到了這一次的第三人称形式

30-1-34/39 The Problem of Heredity and Variability. Conference Held at the Institute Genetics ber of inherited features of androgynous offspring. 6) I. Ye. Glushchenko: New works in the field of vegetative hybridization 7) S. N. Bocharov: The obtaining of productive yeast by the method of vegetative hybridization. 6) I. A. Barychnikov: The influence exercised by the organism of the mother on the properties of the offspring. 9) B. G. Novikov: Change of the properties of heritage of male sex cells in domestic fowls by means of an inter-racial transplantation of the testicles. 10) P. M. Sopikov, Ye. V. Tolokonnikov: On marked changes of the character of the color of the feathers in the offspring of chickens that underwent a transfusion of the blood of another species of fowls. 11) P. P. Sakharov: On inheriting immunity and the creation of highly resistant forms of argicultural animals and fowls. 12)Ye. S. Smirnov: On the connection between the inheriting of properties and the phenomenon of adaptation to new conditions of existance. Card 2/4

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计表列数据数据 獨盟關係 医环

30-1-34/39 The Problem of Heredity and Variability. Conference Held at the Institute Genetics their offspring. 20) V. D. Timakov: Certain rules governing the variability of pathogenic microorganisms. 21) S. N. Muromtsev: The present stage of the problems of variability of microorganisms. An attempt making creative use of the 22) N. S. Butarin: Mitshurin method of remote hybridization M. V. Loginova: for the purpose of the selection of agri-A. I. Lopyrin: F. S. Gigineyshvili: cultural animals. A. A. Rakhimov: Library of Congress AVAILABLE: 1. Biology 2. Scientific reports-USSR Card 4/4

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001653820010-5"

THE STATE OF THE S

SUKHOV, Konstentin Stepanovich, prof.; PERKDEL'SKAYA, N.M., red.;
SIDOROVA, V.I., red.izd-ve; ORIGORCHUK, b.A., tekhn.red.

[General virusology] Obshchaia virusologiia. Moskva, Sovetskaia neuka, 1959, 235 p. (MIRA 13:7)

(VIRUSES)

SUKHOV, K.S.

Stabilization of tobacco mosaic virus crystals extracted from cells by means of antiviral serum. Vop.virus. 4 no.6:741-742 N-D '59.

(MIRA 13:3)

1. Institut genetiki AN SSSR, Moskva.
(VIRUSES chem.)
(IMMUNE SERUM)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001653820010-5"

SUKHOV, Konstentin Stepanovich, doktor biolog.nauk; STAROSTENKOVA, M.M., red.; ATROSHCHENKO, L.Ye., tekhn.red.

[Viruses and virus diseases of plants] Virusy i virusnye bolezni rastenii. Moskva, Izd-vo "Znanie," 1960. 29 p. (Vsesoiusnoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii. Ser.8, Biologiia i meditsina, no.22).

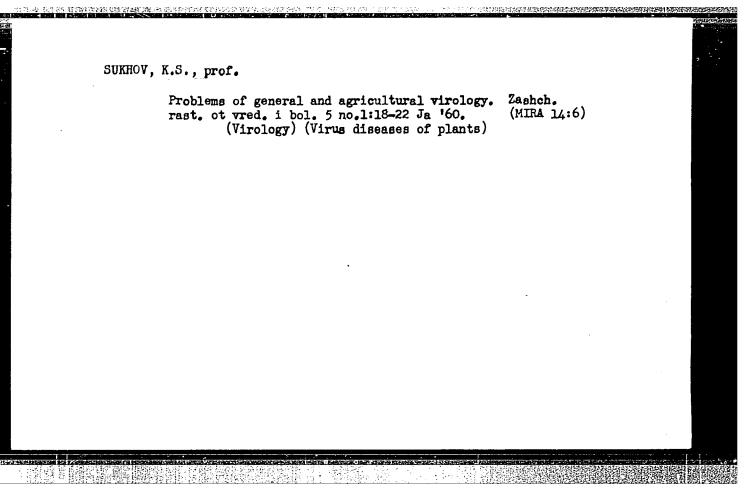
(Virus diseases of plants)

SUKHOV, K.S., red.

[Virus diseases of farm crops and ways of controlling them]
Virusnye bolezni sel'skokhoziaistvennykh rastenii i mery bor'by
s nimi; sbornik trudov soveshchaniia. Moskva, Izd-vo M-va
sel'.khoz.SSSR, 1960. 389 p. (MIRA 13:10)

Vsesoyuznoye soveshchaniye po virusnym boleznyam rasteniy.
 Moscow, 1958.
 (Virus diseases of plants--Congresses)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001653820010-5"



SUKHOV, K.S.; KAPITSA, O.S.; MUKOZOBOVA, L.I.

Infection of roots by tobacco mosaic virus. Trudy Inst. gen.
no.29:379-388 '62. (MIRA 16:7)

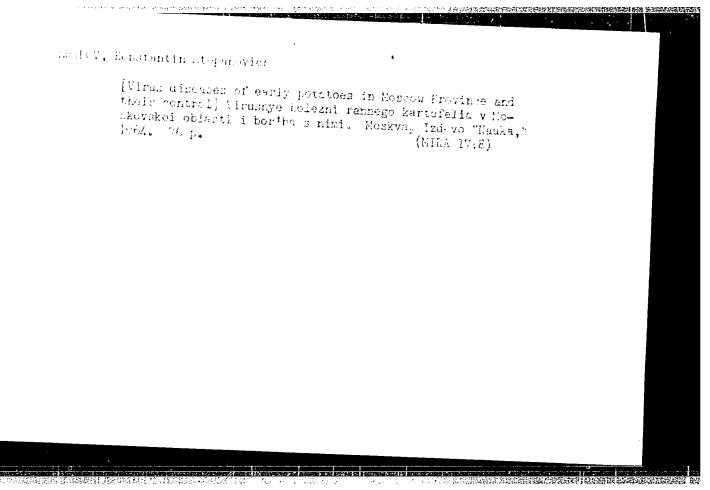
(Tobacco mosaic virus)
(Roots(Botany)-Diseases and pests)

SUKHOV, K.S.; RAZVYAZKINA, G.M.; PRIDANTSEVA, Ye.A.; EELYANCHIKOVA, Yu.V.

Studying virus diseases of grain crops. Zashch.rast.ot vred.i
bol. 7 no.4:40 Ap '62.

(Krasnodar Territory—Crain—Diseases and pests)

(Krasnodar Territory—Virus diseases of plants)



SUKHOV, K.S.; IZVEKOVA, L.I.; KAPITSA, O.S.

Spread of potato virus X. Trudy Inst. gen. no.31:335-344 '64.

(MIRA 17:9)

SUKHOV, K.S.

Structural and functional characteristics of viruses. Trudy Inst.gen. no.35:3-17 '65. (MIRA 18:12)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001653820010-5"

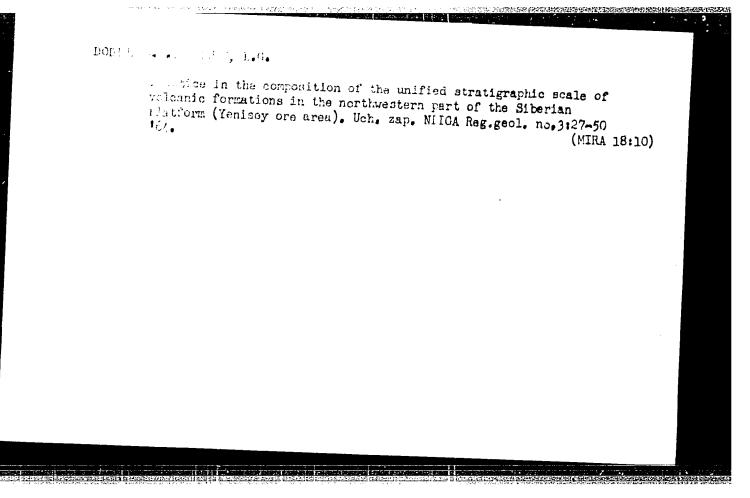
SUKHOV, K.S.; YAZYKOVA, T.F.

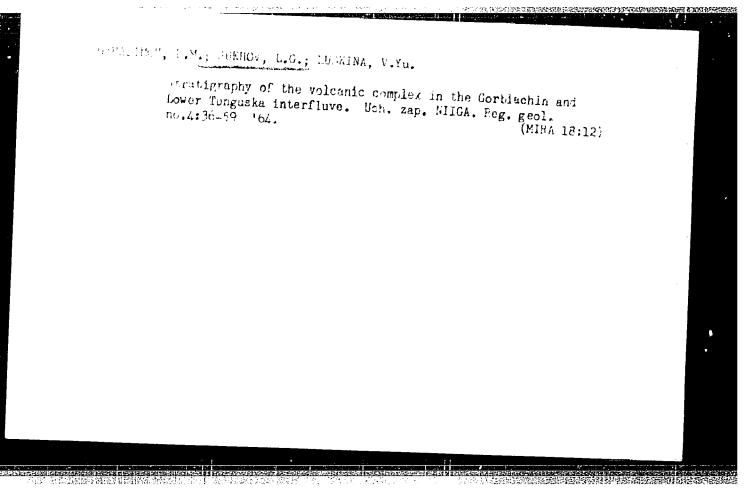
Prolonged sterile cultivation of tomato roots in the presence of tobacco mosale virus. Trudy Inst.gen. no.35:88-93 '65. (MTRA 18:12)

SUKHOV, K.S., prof.

Legacy of D.I. Ivanovskii. Zashch. rast. ot vred. i bol. 9
no.12:1-4 '64. (MIRA 18:4)

1. Institut genetiki AN SSSR.

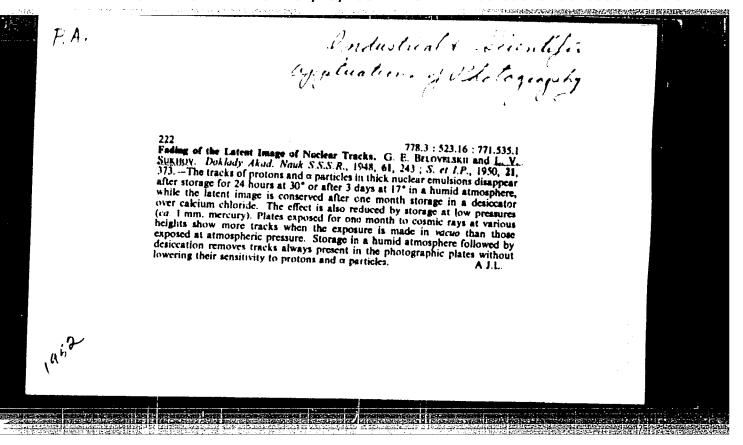


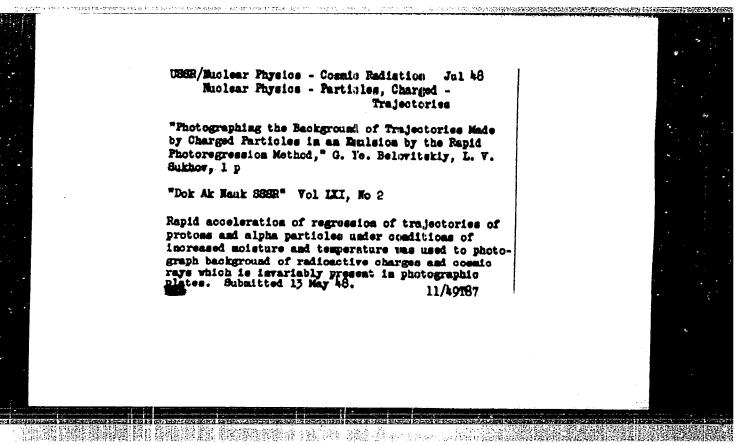


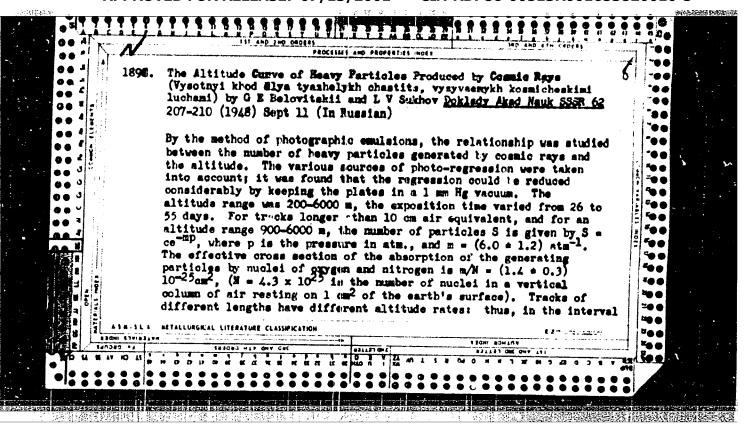
SUKHOV, L.G.; GOLUBKOV, V.S.

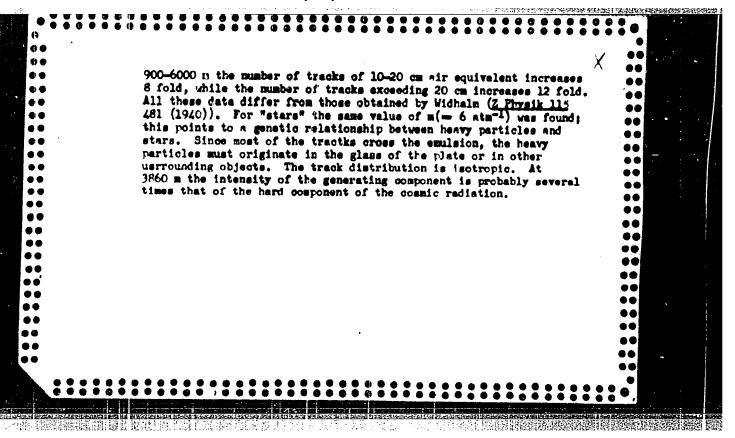
Principles of the delineation and correlation of ancient volcanic formations as revealed by a study in the northwestern part of the Siberian Platform. Dokl. AN SSSR 162 no.6:1378-1381 Je *65. (MIRA 18:7)

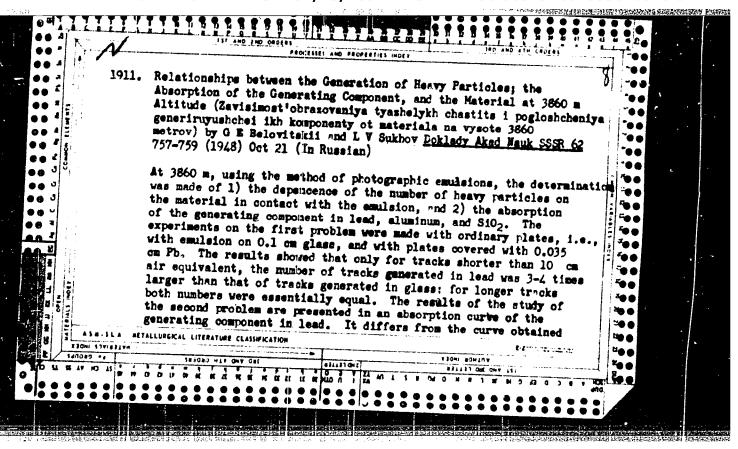
1. Nauchno-issledovatel'skiy institut geologii Arktiki. Submitted March 19, 1965.

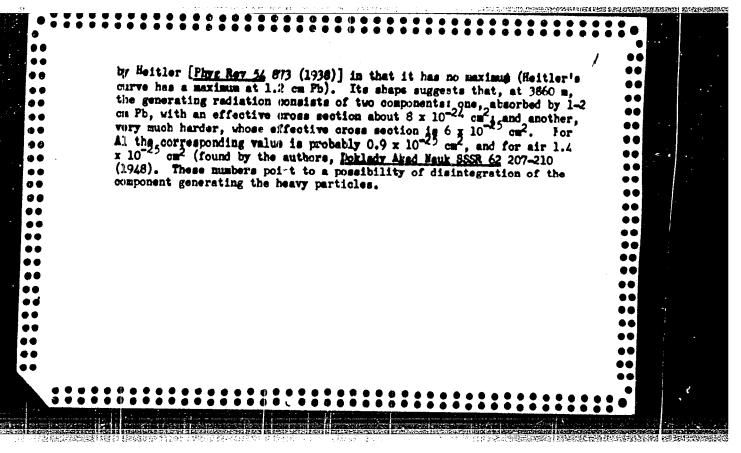












SUKHOV, L. V.

3247. The instability of cosmic ray particles causing nuclear disintegrations. G. E. Belovitskii, N. V. Maslennekova, V.F. Smirnov and L. V. Sukhov. Dokl. Akad. Nauk, SSSR, 69 (No. 3) 321-4(1949) In Russian.

Nuclear emulsions sensitive to $100~\rm MeV$ protons were exposed at 3 860m for 27 d, and the frequency of stars compared with that in similar plates exposed at 4 700 m which were covered with C equivalent to the difference in air pressures. The frequency of 2- and 3-prong stars was lower in the first plates. That of the larger stars remained the same. It is concluded that the particles causing 2- and 3-prong stars are unstable, with $= 5 \times 10 - 6$ sec. E. P. George

USSR/Nuclear Physics - Fission of U by negative pi-mesons

FD-2349

Card 1/2

Pub. 146 - 14/34

Author

: Belovitskiy, G. Ye.; Romanova, T. A.; Sukhov, L. V.; and Frank,

I. M.

Title

: Fission of uranium nuclei under the action of slow negative pi-

mesons and high-energy particles

Periodical

: Zhur. eksp. : teor. fiz. 28, 729-732, Jun 1955

Abstract

: In this work the authors investigate the fission of uranium nuclei by slow negative pi-mesons (G. Ye. Belovitskiy, et alii, Otchet FIAN*, April 1950, June 1950, March 1951), by fast neutrons, with energies up to 460 Mev, and by gamma-rays with energies up to 250 Mev (G. Ye. Belovitskiy et alii, ibid., Dec 1952). For the recording of the fission of uranium nuclei they used photoplates with emulsion layer 100 microns thick with uranyl acetate (T. A. Romanova and G. Ye. Belovitskiy, ibid., June 1951), which plates permitted the observation of protons with energies up to 30 Mev. The irradiation of the plates by slow negative pi-mesons and fast neutrons was carried out in the synchrocyclotron of the Institute of Nuclear Problems. Academy of Sciences USSR; the irradiation by gamma-rays was by the synchrotron of FIAN*. They note that the energy spectrum of neutrons from "overcharging" (perezaryadka) of

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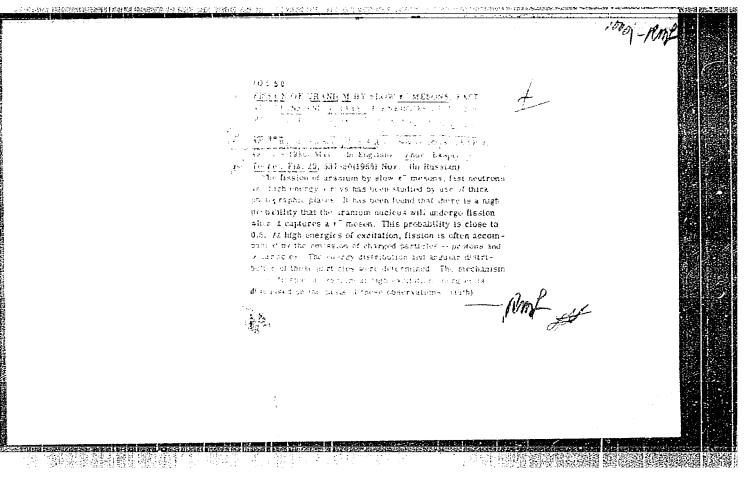
Card 2/2

FD-2349

670-Mev protons on beryllium was measured by V. B. Flyagin. They present 5 photographs of indicated fission. They thank Prof. M. G. Meshcheryakov, G. P. Dzhelepov, and Ye. Grigor'yev for aid in experiments with negative pi-mesons and fast neutrons, and also thank Prof. V. I. Veksler and Yu. S. Ivanov for aid in experiments with gamma-rays of high energy. They state that a more detailed report on the results obtained will be published in this journal. They conclude that the distinguishing peculiarity of the process of fission of uranium nuclei at high energies of excitation is the significant probability of the emission of fast protons and alphaparticles; these particles bear only a comparatively small part of energy obtained by the uranium nucleus from the primary particle. Thirteen references.

Institution: Physical Institute imeni P. N. Lebedev, Acad. Sci. USSR (FIAN*)

Submitted : March 9, 1955



USSR/Nuclear Physics - Elementary Particles

C-3

Abst Journal: Referat Zhur - Pizika, No 12, 1956, 33920

Author: Dul'kova, L. S., Romanova, T. A., Sokolova, I. B., Sukhov, L. V.,

Tolstov, K. D., Shafranova, M. G.

Institution : None

Title: Interaction of 300-Mev x -Mesons with Protons, Deuterons, and

Nuclei of a Photographic Emulsion

Original

Periodical: Dokl. AN SSSR, 1956, 107, No 1, 43-46

Abstract: AIKFI plates of the "p" type, enriched with H or loaded with

D by impregnating in a 30% water solution of lithium acetate, were radiated in the phasotron of the Institute for Nuclear Problems, Academy of Sciences USSR by π^- -mesons of 225 ± 8 MeV. The H content reached $6 \cdot 10^{22}$, and the D content reached $3 \cdot 10^{22}$ per cm³. The presence of Li made it possible to

control the evenness of the loading. The increased value of

Card 1/2

USSR/Nuclear Physics - Elementary Particles

C-3

Abst Journal: Referat Zhur - Fizika, No 12, 1956, 33920

pH of the lithium acetate contributed to a reduction in regression. The radiation was carried out up to a density of 10^4 to 10^5 tracks per $\rm cm^2$. The examination was made by areas and along the track. The average free path for all the processes, including scattering by an angle greater than 20^0 was $88 \pm 5\%$ of the geometric. The principal contributions are made by processes of inelastic scattering and absorption with star formation.

The area inspection method was used to trace 1,240 stars. A distribution was made by the number of rays. Fifty cases of scattering by H and ll cases of scattering by D were found; the elastic-scattering sections were respectively $\sigma_{\rm H}=14\pm3.6$ millibarn and $\sigma_{\rm D}=15\pm5.5$ millibarns. The scattering by D is strongly anisotropic. A histogram is given for the differential scattering of π^- -mesons by H in a center of gravity system. A discrepancy is noticed from the theoretical curve for small scattering angles.

Card 2/2

sov/120-59-2-25/50

Belovitskiy, G.Ye., Korablev, L.N., Sukhov, L.V. and AUTHORS:

Shtranika, I.V.

An Apparatus for the Automatic Meaurement of Multiple Scattering of Particles (Ustanovka dlya avtomatizatsii TITLE:

izmereniy mnogokratnogo rasseyaniya chastits)

PERIODICAL: Pribory i tekhnika eksperimenta, 1959, Nr 2,

ABSTRACT: The instrument may be used to carry out both measuring and computing operations on multiple Coulomb scattering. It can also be used to measure lengths. The table of

the microscope can be moved repeatedly through fixed intervals (50, 100, 250 and 500 μ). The second coordinate which gives the deviation of the track from the x-axis is transformed into electrical pulses by means of a photoelectric device in the micrometer eyepiece. These pulses are transmitted to the computing part of the apparatus and the number of pulses given by the photoelectric device in each measurement of the y-coordinate

is proportional to the magnitude of the first difference

automatic since an observer must place the track manually Card 1/2 in the coordinates. in a standard position. The apparatus was checked

21398

S/120/61/000/002/008/042 E192/E382

24,6600

AUTHORS: Voronkov, A.Ye., Galaktionov, A.I., Murin, I.D.,

Sukhov, L.V. and Shtranikh, I.V.

TITLE: An Instrument for Automatic Inspection of Nuclear

Photo-emulsions by the Television Raster Method.

I. Servo Systems

PERIODICAL: Pribory i tekhnika eksperimenta, 1961, No. 2.

pp. 63 - 68 + 1 plate

TEXT: The following two types of problems can be solved by using nuclear photo-emulsions:

1) search for the required events (stars and tracks from a given direction and density, etc.) and determining the number of such events in a given volume of emulsion;

2) inspection or scanning of chosen tracks in order to determine their scattering ionisation, etc.

An automatic instrument capable of performing the following operations on photo-emulsions is described:

a) automatic following of a given track in three coordinates Card 1/10

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S/120/61/000/002/008/042 E192/E382

An Instrument for

Card 3/10

on the photocathode of a television-camera tube (type JN-101(LI-101)). In order to obtain the maximum ratio of track signal/background noise the slots which are usually employed in such equipment were eliminated (Refs. 1-3). The system is based on the principle of digital recording. Each field of the television picture is counted as the number of grains in a track; the deviation of the track from its central position in the field of vision of the camera tube is similarly recorded. On this basis it was possible to design an instrument capable of tracking only one grain (in the absence of background grains) which corresponds to the signal/noise ratio of about 1/400 over a segment of track 200 μ long. The functioning of the system is as follows. Of all these signals, from each line of the television reproduction of the picture, only those are selected which enter the so-called control zone a which is from 2 - 24 μ wide (depending on the chosen width of the zone and magnification of the microscope). Initially, the investigated track is introduced into this zone. The control zone is situated

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An Instrument for

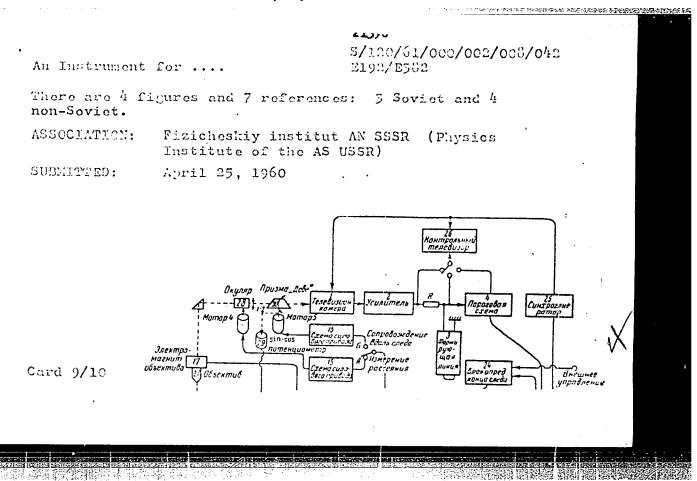
S/120/61/000/002/008/042 E192/E382

The deviation k is expressed as the number of pulses corresponding to the number of the lanes & multiplied by the number of lines n in a sub-zone which intersect the elements of a track, i.e. $k = \ell m$. The television system is based on interlaced scanning with 50 fields per second, the full number of lines being 567. For purely technical reasons, only two-thirds of all the lines of each are used. This amounts to about 9^{l_1} lines per sub-zone for a field so that for the maximum detuning for a thick trace in one sub-zone the deviation is k = 378 p lses. The deviation of a track from its central position in the control zone is determined separately for all four sub-zones, for each third field, by means of four counter circuits 6 - 9 of the preliminary dividers and finally by means of four storage interpolators 10 - 13 (see Fig. 2). The logical control circuit 14, which is coupled to 10 - 13, produces a mismatch signal when the track deviates from its central position; the signal is then applied to the servo mechanisms of the microscope which eliminate the "mismatch". The Card 5/10

21398 S/120/61/000/002/008/042 E192/E382

An Instrument for

keys. The deviation of a track from its central position $(\alpha, \beta, \text{ or } \gamma)$ results in the rotation of the Dovey prism due to the signals obtained from the logic circuit 14; this also results in the rotation of the sine-cosine potentiometer 29, whose output voltage controls the speed of the motors and M_2 via the control circuits 16 and 15. A special shutter placed on the axis of the prism controls the motion of the drive screws by means of magnetic clutches which are operated by photo-diodes and relays. The motors employed have a comparatively small speed range (500 to about 7 000 r.p.m.). Consequently, at certain angular positions ϕ_2 of the prism which correspond to the predominant direction of motion along one of the coordinates \textbf{X}_1 or \textbf{Y}_1 , the system automatically produces a discrete displacement of the track along one of the coordinates by means of a magnetic clutch operating at a small constant velocity. The above deficiency of the motors limits the measurement of the track-Card 7/10



3,7734

s/120/62/000/001/008/061 E039/E485

21.6000 AUTHORS:

24.6830

Voronkov, A.K., Murin, I.D., Sukhov, L.V.,

Shtranikh, I.V.

TITLE:

An apparatus for the automatic survey of nuclear

photo-emulsions by a television roster method

II. The recording system

PERIODICAL: Pribory i tekhnika eksperimenta, no.1, 1962, 42-4)

In the study of cosmic rays and other nuclear processes thick layer photo-emulsion plates are used for recording charged The resulting tracks in the emulsion are studied In the particular cases when emulsions are under a microscope. exposed in artificial satellites and in accelerators, a very large amount of work is entailed in surveying the plates. Using a device for the automatic television survey of nuclear photo-emulsions, previously described by the present authors (Ref.1: PTE, No.2, 1961, 63), the rate of making measurements on scattering and ionization of particles is accelerated by 10 to 100 times. Some of the main characteristics of the apparatus are as follows: 1) type of microscope MEN8 (MBI8) (modified);

Card 1/3

S/120/62/000/001/008/061 E039/E485

An apparatus for the automatic ...

1) Maintenance of contrast, which depends on, a) the amplification coefficient of the video-amplifier; b) the sensitivity of the transmitting tubes; c) the intensity of illumination.

2) Maintenance of the linearity of the amplifier and accuracy of focusing.

There are 3 figures.

ASSOCIATION: Fizicheskiy institut AN SSSR

(Physics Institute AS USSR)

SUBMITTED: June 10, 1961

1

Card 3/3

ACC NRI AP6018012 (N) SOURCE CODE: 1

SOURCE CODE: UR/0413/66/000/010/0126/0126

INVENTORS: Lyubavskiy, K. V.; L'vova, Ye. P.; Sukhov, L. V.; Yarovinskiy, L. M.; Tarnovskiy, A. I.; Ryabchenkov, A. V.; Gerasimov, V. I.; Iodkovskiy, S. A.

ORG: none

TITIE: Welding electrode. Class 49, No. 181968 /announced by Scientific Research Institute of Technology and Machine Construction (Nauchno-issledovatel'skiy institut tekhnologii i mashinostroyeniya)

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 10, 1966, 126

TOPIC TAGS: welding, welding electrode, austenite steel, carbon, silicon, manganese, chromium, nickel, molybdenum, nicbium, sulfur, phosphorus

ABSTRACT: This Author Certificate presents a welding electrode for welding austenite steels containing carbon, silicon, manganese, chromium, nickel, molybdenum, niobium, sulfur, and phosphorus. To increase the resistance of welded seam to corrosion, the electrode composition is taken in the following percent relationship: carbon-not over 0.05; silicon-not over 0.45; manganese 2-10; chromium 19-25; nickel 33-50; niobium 0.8-1.2; molybdenum 2.5-7.5; sulfur or phosphorus-not over 0.02 of each.

SUB CODE: 13/ SUBM DATE: 29Apr65

Card 1/1

UDC: 621.791.042.2

L 16198-65

ACCESSION NR: AR4047525

that the application of adhesives in the assembly of industrial equipment makes it possible to assure the required strength, to simplify fabrication, and to reduce the labor required for fabrication and assembly by 1.5 to 2 times. The working temperature for the adhesive compound does not exceed \$600. With an increase in temperature the strength of the adhesive compounds falls. Repeated heating time that attached with adhesives, without the application of loads, to a temperature of 1500c and holding for 90 min does not decrease the strength of the adhesive joints. After assembly with adhesives, it is possible to work the surface on a lathe, on a milling machine, on a grinder, or by other methods. Working of the surface after the use of adhosives must be done with the use of cooling, since in certain cases of high feed rates and high cutting speeds the high temperature can bring about destruction of the adhesive bond. Tables are presented showing imbricated units in thich adhesive compounds are used. 5 figures.

SIUB CODE: MT, IE

ENCL: 00

Card 2/2

L 22578-65 EMT(m)/EWP(w)/EPF(c)/EWA(d)/EWP(v)/EPP/EWP(j)/T/EWP(t)/EWP(k)/
EWP(b) Pc-4/Pf-4/Ps-4 JD/WW/HM/RM

ACCESSION NR: AP5002248 S/W122/64/000/012/0030/0033

AUTHORS: Kapustin, N. M. (Gandidate of technical sciences, Docent); Sukhov, M. F. (Engineer)

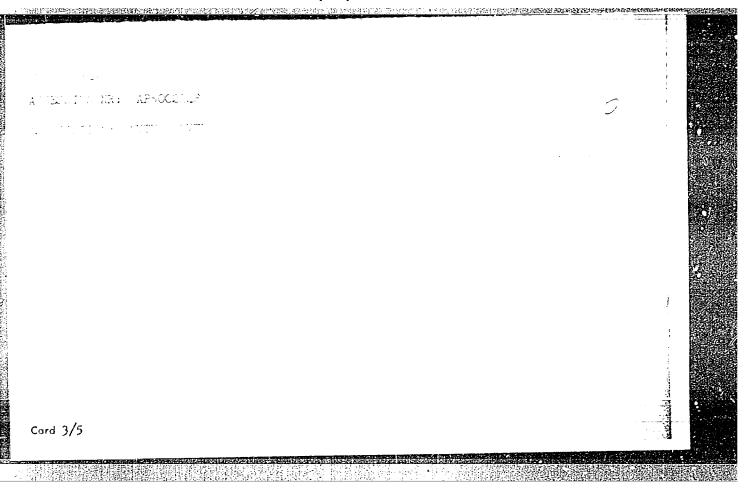
TITLE: Effects of creep in glued joints on the initial clamping force

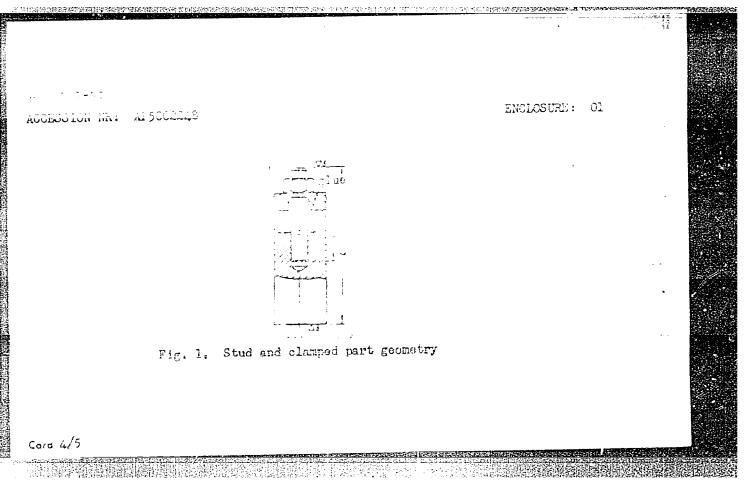
SOURCE: Vestnik mashinostroyeniya, no. 12, 1964, 30-33

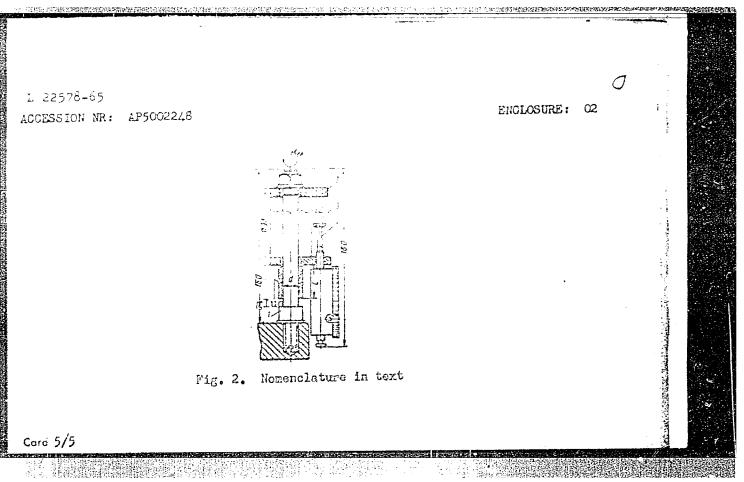
TOPIC TAGS: creep characteristic, joint / ST 3 steel, ED5 100 rosin

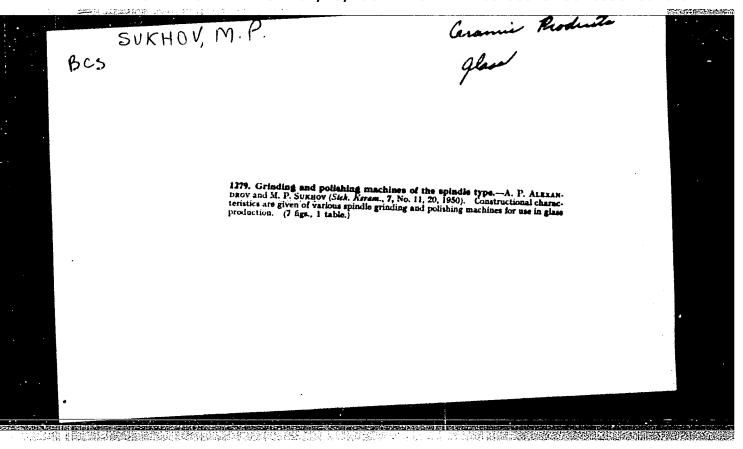
AESTRACT: The effects of creep in the comented joint of a stud as shown in Fig. 1 on the Enclosures on the initial clamping force was experimentally investigated.

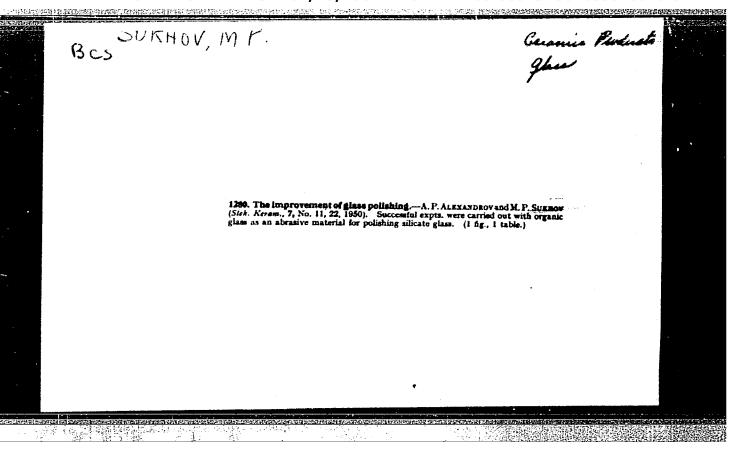
where $r=0.3$, K = joint geometry coefficient = 0.75-1.0; E _b , E _c = modulus of the state of			ing name of the first
where $r=0.3$, K τ joint geometry coefficient $=0.75-1.0$; $E_{\rm b}$, $E_{\rm c}$ = modulus of $r=0.0$ and $r=0.0$			9
where $r=9.3$, K = joint geometry coefficient = $9.75-1.0$; E _b , E _c = modulus of the state			
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Card 2/5			
	Card 2/5	-	











AUTHORS:

Ryabov, V. A., Barbarina, T. M.,

72-58-3-14/15

Steshenko, M. I., Kireyev, P. S.,

Sukhov, M. P.

TITLE:

Rubberoid and Hydro-Insulating-Tapes Based on Glass Fiber

(Ruberoyd i gidroizolyatsicnnyye lenty na osnove steklo-

volokna)

PERIODICAL:

Steklo i Keramika, 1958, . . Nr 3, pp. 43-47 (USSR).

ABSTRACT:

The increased chemical stability, as well as the greater mechanical strength of glass fiber in comparison with organic fiber, makes it possible to use the former successfully as reinforcement for a series of products as rubberoid and other special tissues. Glass-fiber can also partly be used in concrete constructions in lieu of metal reinforcements, as referred to in the works by V. A. Ryabov, T. M. Barbarina, N. A. Sheludyakov and A. K. Burov, G. D. Andriyevskaya (reference 1). The manu= facture of rubberoid and hydro-insulating tapes based upon glass

Card 1/3

fiber is worth inting

in Czechoslovakia. This manufacture

Rubberoid and Hydro-Insulating-Tapes Based on Glass Fiber 72-58-3-14/15

roofing and hydro-insulation. The authors recommend to introduce such a manufacture in the USSR. There are 4 figures, and 2 references, 2 of which are Soviet.

A CONTRACTOR OF THE PROPERTY O

1. Glass textiles-Applications 2. Insulation--Test results

Card 3/3

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001653820010-5"

SUPHOY, N. A.

"On the Methods of Developing the Scientific Technical Terms of General Machine Building." Sub 25 Apr 51, Inst of Machine Science, Acad Sci USS:

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001653820010-5"

SUKHOV, N.K.; TERPIGOHEV, A.M.

Use of letter abbreviations to represent scientific and technological terms.

1zv.AN SSSR. Otd.tekn.nauk no.7:1058-1064 J1 '53. (MERA 6:8)

(Science--Terminology) (Technology--Terminology)

GAVRILOVA, M.A., doktor tekhn.nauk; ARTOBOLEVSKIY, S.I., doktor tekhn.
nauk; BERSHTEYN, S.I., kend. tekhn. nauk; BOLGAKOV, A.A., kend.
kand. tekhn. nauk; IERNER, A.Ya., doktor tekhn. nauk; MEYEROV,
M.V., doktor tekhn. nauk; SUKHOV, N.K., doktor tekhn. nauk;
FEL'DBAUM, A.A., doktor tekhn. nauk; FILIPPOVICH, B.I., doktor
tekhn. nauk; KHAMOY, A.V., doktor tekhn. nauk; SHORYGIN, A.B.,
doktor tekhn. nauk

[Terminology on the basic concepts of automatic control] Terminologiia osnovnykh poniatii avtomatiki; doklad. Moskva, 1960. 31 p. (International Federation of Automatic Control, ost Internationa Congress, Moscow, 1960. Doklady, no.232) (MIRA 14:8)

1. Natsional'nyy komitet po avtomaticheskomu upravleniyu. Nauchnotekhnicheskiy komitet terminologii. 2. Nauchnotekhnicheskiy komitet terminologii Natsional'nogo komiteta SSSR po avtomaticheskomu upravleniyu (for all).

(Automatic control—Terminology)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001653820010-5"

ASHKENAZI, G. I., inzh.; SUKHOV, M.K., kand.tekhn.anuk: VOLOTSKOY, N.V., kand.tekh.nauk

Letters to the editor. Svetotekhnika 6 no.11:21 N '60.

(MIRA 13:11)

(Electric lighting)

ACC NR: AP7004757

(A)

SOURCE CODE: UR/0413/67/000/001/0052/0052

INVENTOR: Sukhov, O. V.

ORG: None

TITLE: A capacitor seam welder. Class 21, No. 189961 [announced by the Institute of Electric Welding im. Ye. O. Paton (Institut elektrosvarki)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 1, 1967, 52

TOPIC TAGS: seam welding, welding equipment, capacitor

ABSTRACT: This Author's Certificate introduces a capacitor seam welder containing a charging transformer, working capacitors, commutators for the charging and discharging circuits, a welding transformer and a welding cycle control unit. The circuit is designed for stabilizing the magnitude of the energy stored in the capacitors. The control unit contains the following electrically interconnected elements: a meter which indicates the instantaneous voltages in the supply circuit, a shaper network which produces control pulses for commutator operation and an element for negative feedback with respect to the reverse voltage across the working capacitors.

Card 1/2

UDC: 621.791.763.3.037-523

ACC NR1 AP7002567

CA, N)

SOURCE CODE: UR/0413/66/000/023/0054/0054

INVENTOR: Sukhov, O. V.

ORG: none

TITLE: Point capacitor machine. Class 21, No. 189086 Zannounced by Electric Welding Institute im. Ye. O. Paton (Institut elektrosvarki)

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 23, 1966, 54

TOPIC TAGS: welding equipment, spot welding, capaciton

ABSTRACT: This Author Certificate presents a point capacitor machine intended for contact welding parts of small thicknesses. The machine contains a power rectifier, a buffer capacitor for preliminary heating of the parts, and charging and discharging commutators in the battery circuit of the working capacitors which are coupled electrically to the welding transformer (see Fig. 1). To increase the welding quality, an electronic voltage regulator for the working capacitors and an electronic time relay controlling the commutator operation are used in the machine.

Card 1/2

UDC: 621.791.037 621.791.763.1.037-523.8

Fhotoelectric Control of Metal Heating in Contact Roller Welding 125-58-7-7/14

ASSOCIATION: Institut elektrosvarki imeni Ye.O. Patona AN USSR (Institute

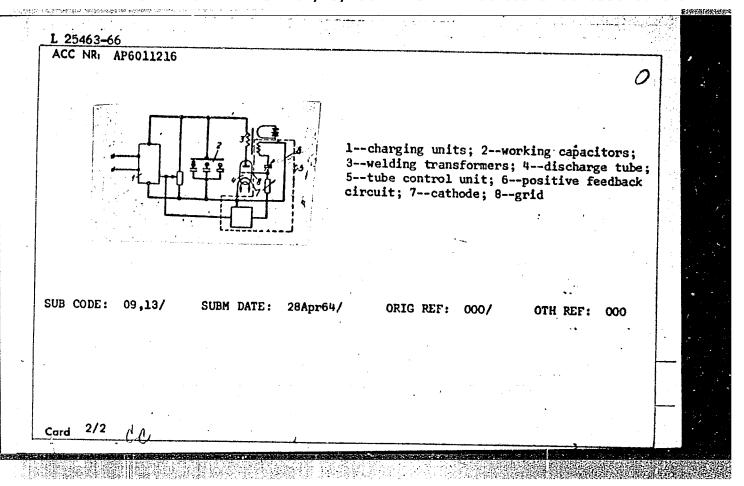
of Electric Welding imeni Ye.O. Paton, AS UkrSSR)

SUBMITTED: March 1, 1958

1. Resistance welding--Control 2. Spot welds--Quality control 3. Seam welds--Quality control 4. Welded joints---Properties

5. Photoelectric pyrometers-Applications

Card 2/2



NAME OF THE PROPERTY OF THE PR

HEMill', Achie, Lünkov, r.t.; FOPLITSKIF, R.ta., as write. res.

(Industry's requirements as to the quality of mineral raw materials; a mandbook for geologists) Irebovenist promyshismootick kachestva mineral'nogo cyr'la; spravocimik diia geologov. Moskva, Redra. F.t.c., 1984.

62 p. (KTRA 18.9)

1. Moscon Vecsoyuznyy nauchne-isolaisvatel'skiy institut mineral'nogo syr'ya.

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001653820010-5"

LUBUTHA, H.G.; YERRETER, H. V.; SINEY, F. Y.

Brick Houses

House from prefabricated ceramic elements. Trudy Mistroitekramika, No. 5, 1951.

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

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001653820010-5"

REMPEL', A.M.; SUKHOV, P.V.; KOPEYKIN, A.A., glavnyy red.; ROKHVARGER, Ye.L., zamestitel' glavnogo red.; VASYUTINSKAYA, A.A., red.; GARTSMAN, B.M., red.; ZAYONTS, R.M., red.; LUNDINA, M.G., red.; NOSOVA, Z.A., red.; PETROV, N.A., red.; RIVKIN, A.M., red.; ROMANOV, P.R., red.; SOKOLOV, P.V., red.; FEYN, Yu.E., red.; KOSYAKINA, Z.K., red.; KASIMOV, D.Ya., tekhn.red.

[Research on clay materials] Issledovanie glinistogo syr'ia. Moskva, Gosstroiizdat, 1963. 119 p. (Kuchino. Gosudarstvennyi nauchno-issledovatel'skii institut stroitel'noi keramiki. Trudy, no.22).

(MIRA 17:3)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001653820010-5"

CONTRACTOR STREET, STR

SUKHOV, P.J.; KLIMANOV, P.V.

Electric soldering iron with internal heating. Suggestion by P.Z. Sukhov, P.V. Klimanov. Prom.energ. 11 no.11:18 W '56. (MLRA 9:12)

(Solder and soldering)

SUKHOV, P.Z., iznhener.

Electric doldering iron of a new design. Energetik 5 no.2:20-21
F '57. (MLRA 10:3)

(Solder and soldering) (Electric apparatus and appliances)

SUKHOV, S. A. Cand. Physicomath Sci.

Dissertation: "Physical Investigation of Regularities in Dry and Boundary Friction of Metal Rough Surfaces."

17/1/50

Moscow Mechanical Inst.

SO Vechanian Moskva

Sum 71

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001653820010-5"

SUKHOV, E. A.

UDSR/Hotals - Friction, Testing

Sep 50

"Pendulum Tribonater for Investigation of Exterior Sliding Friction," A. A. Dyntlow, L. V. Yelin, S. A. Sukhov

"Zavod Leb" Vol XVI, No 9, pp 1105 1111

Authors discuss previous nethods for investigation of rolling and sliding friction with sid of oscillating systems, and suggest their cum device, perdulum tribometer, in which some faults of inclined pendulum are eliminated. Tribonoter is adaptable for investigating friction not only of dry surfaces but also friction in presence of boundary lubrication.

PA 169157

CIA-RDP86-00513R001653820010-5" **APPROVED FOR RELEASE: 07/13/2001**

122-2-29/33

The Third Scientific and Technical Conference in Kiyev on the Improvement of the Wear Resistance and Service Life of Machines

unequal wear and the formation of clearances in assemblies and as a result of a change in the physical and chemical condition

B.D. Grozin, Corresponding Member of the Ac.Sc. Ukrainian SSR, in a paper entitled "The Complex Method of Analysis of Components Working Under the Conditions of Rolling Friction" presented a method which includes the combined use of electron microscope, X-ray diffraction and spectroscopic analyses to judge the condition of the surface layers in association with wear tests and static mechanical tests under tri-axial non-uniform compression at different temperatures. It is claimed that with the help of this method, the relation between the contact endurance strength of steel and the factors defining the condition of the surface can be established.

In a paper "On Temperature Measuring Methods in the Friction Process between Solid Bodies", by S.A. Sukhov, Candidate of Technical Sciences, a method for measuring the temperature gradients in the immediate vicinity of the friction surfaces with the help of a natural thermocouple was presented. Both sliding bodies (pin and ring) are made of the same material, but Card2/8 the pin end face is covered with a thin layer of another metal

The Third Scientific and Technical Conference in Kiyev on the Improvement of the Wear Resistance and Service Life of Machines

which constitutes the natural thermocouple of which one junction is the sliding surface and the other is the bond between the pin face and the coating metal.

Great interest was aroused by the paper "The Variation of Wear Resistance of Certain Anti-friction Alloys under Nuclear Radiation" by B.L. Slin'ko. Precipitation-hardening alloys (beryllium copper b

properties insignificantly.
In a paper "Foundations of the Cavitation-erosion Failure of Ferrous Alloys", I.N. Bogachev, Doctor of Technical Sciences, and R.I. Mints, Candidate of Technical Sciences, generalised the studies of the effect of the chemical and phase composition of studies of the effect of the chemical and phase composition of iron carbon alloys on their cavitation erosion resistance. Increasing the carbon content from 0.023 to 1.2% improves the erosion resistance. The effect of alloying is due solely to the metallographic structure obtained. A pronounced improvement of metallographic structure obtained in spheroidal graphite cast iron erosion resistance is obtained in spheroidal graphite cast iron

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by alloying with 1% nickel and 0.3% molybdenum. Engineer L.A. Chatynyan in his paper "Investigation of the Wear of Nickel Alloys under Dry Friction at Elevated Temperatures", reported the results of his test which showed nickel alloys to have the best wear resistance at high temperatures, whilst the initial hardness is of little consequence. The optimum composition of a new alloy with a high wear resistance at 400 C was given, whilst high-speed steel and ordinary chromium steels have little wear resistance under dry friction at high temperatures. V.P. Grechin, Candidate of Technical Sciences, concluded in his paper "The Heat Resistance of Cast Iron as the Main Factor in its Wear Resistance under Sliding Friction that the hardness of cast iron at high temperatures (up to 850 °C) determines its wear resistance. Based on numerous studies of various cast irons, recommendations for alloying and for the application of cast irons under different conditions were given. It was noted by N.I. Kovalenko, Candidate of Technical Sciences, in his paper "The Wear Resistance of Wire Ropes" that the rubbing down of a wire rope is caused by an abrasive medium and its failure occurs before fatigue sets in. The author recommended

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the deposition of anti-friction metals such as cast iron or aluminium upon steel pulleys. In unlubricated operation, such deposits increase the wear life of wire ropes by a factor of 2-3. I.I. Frumin, Candidate of Technical Sciences, in his paper "Alloys for Wear-resistant Hard Facing Deposits", stated the theoretical basis and methods of alloying to obtain the desired results and surveyed the fields of application of different methods of deposition on wearing components. In his paper, "Electric Slag Method of Hard Facing for Wear Resistance", T.K. Pokhodnya, Candidate of Technical Sciences, suggested the electric slag process for hard facing of different components and concluded that this method is appropriate when large quantities of metal have to be deposited or when large numbers of components require treatment. M.V. Simonenko, Engineer, suggested in his paper "The Electrolytic Diffusion Method of Making Bi-metal Components" a novel method of manufacturing copper base alloys. The alloying proceeds at temperature much below the fusion temperature of copper. Great The alloying proceeds at a economies are achieved in labour cost and in scarce metals. Small scale and automatic production procedures can be applied. Service

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122-2-29/33

The Third Scientific and Technical Conference in Kiyev on the Improvement of the Wear Resistance and Service Life of Machines

tests have confirmed reliable operation of bi-metal components under different conditions.

In a paper "Electric Spark Hardening of Machine Components", S.S. Astaf'yev, Candidate of Technical Sciences, reported on a novel electric spark hardening process. The surface of the novel electric spark hardening process. The surface of the steel is alloyed with the electrode metal, as a result of instantaneous heat impulses occurring in rapid succession during spark discharges. A special treatment head makes high output possible. The wear resistance of machine components is said to increase The wear resistance of machine components at elevated temperatures.

In a paper "New Anti-friction Materials and Coatings", I.Ya. Al'shits reported on work designed to evolve novel substitutes for babbitt and high-tin-content bronze alloys. The following have given good results: a) Moulded timber materials and plastics based on phenolic and other resins with different fillers (cord and cotton fibres and others), in conjunction with water lubrication. b) Metallised graphite, nylon and others for elevated temperatures. c) Graphite-loaded materials and compositions of resin and graphite for working in corrosive media.

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The Third Scientific and Technical Conference in Kiyevon the I_m provement of the Wear Resistance and Service Life of Machines

"Improvement in Wear Resistance and Service Life of Components with Large Transverse Cross-sections by the Method of Surface Quenching and Accelerated Heating in Heat Treatment Furnaces" was the subject of G.T. Fomin, Candidate of Technical Sciences, who reported that accelerated heating of steel components to achieve transition into an austenitic state for the surface layer alone makes it possible to intensify the heat treatment of components with a cross-section exceeding 40 mm. The depth of the quenched layer can be controlled without modifying the structure of the core, so achieving the best combination of wear resistance and impact strength. N.S. Dombrovskaya, Doctor of Chemical Sciences, and Yu.M. Vinogradov, in a paper "The Improvement of the Anti-friction Properties of Metals by Means of Thermo-Chemical Surface Treatments", pointed out that, alongside nitriding and phosphating, steels can also be improved in their anti-friction properties by enrichment with chloride or sulphide on their surface. The latter methods mainly improve the anti-seizure properties, whilst the former improve wear resistance. Sulphiding can be achieved in solid, liquid and gaseous media;

Card7/8

The Third Scientific and Technical Conference in Kiyevon the Improvement of the Wear Resistance and Service Life of Machines

chloriding, in a gaseous medium at a temperature of about 200 °C.

AVAILABLE: Library of Congress

Card 8/8

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001653820010-5"

SAMOYLOVICH, D. M., SMIRNITSKIY, V. A., SUKHOV, S. A., RYABOV, V. D. and RULEV, A. V.

"Appareil Pour Le Developpement Semi-Automatique Des Grands Empilements D'emulsion Nucleaire."

paper presented at the Second Intl. Colloquium On Corpuscular Photography. Montreal, 21 Aug - 7 Sep 1958.

Encl: B-3,114,647.

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DELEUR, Ye.N., dotsent; SUKHOV, S.A., dotsent

Using a cathode ray oscillograph for investigating the processes of breaking in machine parts. Nauch.trudy OIIM no.16:95-102 '58.

(MIRA 11:11)

(Cathode ray oscillograph) (Mechanical wear)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001653820010-5"

SOV/115-59-2-19/38

CONTRACTOR OF THE PROPERTY OF

 $\vartheta(\mathbf{z})$ AUTHOR:

Sukhov, S.A., Kadlets, S.Ya., Pavlyuk, G.D.

TITLE:

Research into Electrolytic Thermo-Elements (Issledovan-

iye elektroliticheskoy termopary)

PERIODICAL:

Izmeritel'naya tekhnika, 1959,

Nr 2, pp 35-37

(USSR)

ABSTRACT:

The authors refer to an article by P.D.Lebedev in Teploenergetika (Thermal Energy), 1356, Nr 4, which states that an electrolytic thermo-element produces the same amount of voltage as a soldered thermo-element of the same metal. However, Lebedev does not state that the voltage is dependent on the thickness of the connecting solder coating. Tests were made with various metals such as copper, nickel and so on. When data on various metals is available, electrolytic thermo-elements may be prepared with any voltage from 0 to ε , where ε $u_1 - u_2$ (u_1 and $u_2 = potentials$). The electrolytic thermo-element, however, has one drawback, namely, when the joints are damaged (through friction or oxydation),

Card 1/2

SOV/115-**59** -2-19/38

Research into Electrolytic Thermo-Elements

its voltage is reduced. Brittle metals, even if they have excellent thermo-element qualities, should not be used to produce soldered thermo-elements. However, these may be used to make covers for electrolytic thermo-elements. The authors suggest a method for using electrolytic thermo-elements to prepare thermo-piles, by mounting them on a plastic frame, the piles consisting of hundreds and even thousands of electrolytic thermo-elements. Such thermo-piles are, in fact, simply made and highly sensitive. There are 4 diagrams and 1 Soviet reference.

Card 2/2

507/120-59-4-11/50

AUTHORS, Samoylevica, D. H., Sammitskiy, V. A., Sukhov, S. A., Ryabov, V. D., Puley, A. V.

TITIE. An Installation for the Semi-Automatic Photographic Proceduring of Large Emulsion Stacks

PERIODICAL: Pribory a telebrisa exceptibleava, 1959, Nr 4, pp 58-62 (USSR)

ABSTRACT. This lengt and shelf and shelf are apparatus may be used to develop and fix a 4 little stack in 4 to 6 days. The worklet area of the developing apparatus is 2m² and of the fixing apparatus 10 m². Pive hundred emulations each 400 m thick may be developed in 2 to 3 days, while the fixing takes 45 to may be developed in 2 to 3 days, while the fixing takes 45 to for may be developed in 2 to 3 days, while the fixing takes 45 to may be developed in 2 to 3 days, while the fixing takes 45 to may be developed in 2 to 3 days, while the fixing takes 45 to may be developed in 2 to 3 days and a such as a fixing dishes, there a lated schiologist pusts holders, special fixing dishes, the to 3 days begin and fixing employed is

Card 1/2

307/120-59-4-11/50

An Installation for the Semi-Automatic Photographic Processing of Large Emulsion Stacks

conventional and has been described by the authors in Refs 2-7. There are 7 figures and 7 references, of which 1 is English and the rest are Soviet.

SUBMITTED: May 14, 1958.

Card 2/2

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Swither, J. A.

Method of Legourier Tencoroture Gradient of Tain Jurface Legers of Lutter oddies ($-\beta, 23\,\sigma$

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- Spring aims Agescop: Alm Ecrips mank SSSR. Institut machineved chips. idep. Ed.: I. V. Frankliching bester of Technical velences, Train and ai. of Tublishing Bosse: K. I. Grigoess; Technics: J. J. Tikharisova.

The collection published by the Institut mochinever-entra, A Cak (Institute of actions of actions, Action of Actions of Actions USA) contains organ presented at the III Vsesayuza ye honfers talya postroniya i izak a variable in (Trime All-Urian Conference on Fried Calord De rain Accions, April 9-15, 1958.

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APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001653820010-5"

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17405 307/133-60-1-20/30

Description of the second seco

AUTHORS:

Belyamer, P.P., Mikitin, B.A., Sukhov, S.I.

TITLE:

Electrolytic Pickling of Sheets With Industrial

Frequency a-c Current

PERIODICAL:

CONTROL TO SECURITION OF THE PROPERTY OF THE P

Stal', 1960, Nr 1, pp 79-81 (USSR)

ABSTRACT:

Card 1/5

The authors propose a method of contactless electrolytic pickling by means of 50-cycle a-c current with the relp of a device mounted in the hot plating unit. Calculations made by one of the authors (P.P. Belyayev, Transactions of Vil'nyus Conference Concerning Electrochemistry, 1956, Publishing House of Lithuanian Academy of

chemistry, 1956, Publishing House of Lithuanian Academy of Sciences 197) show that electrolytic pickling is possible in low concentration solutions within 1:10 -4 sec. During experimental pickling is hydrochloric acid done

by the Scientific Research Institute of Chemical Machinery (MIIKhIMMASh) the formation of a passive indissol-

uble film was not observed, proving that lower acid

Electrolytic Pickling of Sheets With Industrial Frequency are Current

77405 807/133-60-1-26/30

concentration can be usel. The basic metal dissolved 50% less than in anodic treatment with d-c current. After successful laboratory tests the method was verified under industrial conditions on an installation for 512 × 712 mm sheets. Pulling rolls moved the sheet at 6.1-11.3 m/min. Results are shown in table A.

Table A Results of experimental chemical and electrolytic pickling of sheets by a-c current.

Card 2/5

PARAMETERS	Serial Number of Borches					
	1	2	3	4	5	6
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CURRENT, a.	240	240	360	360	360	
Voltage on electroduc. V	2,8	2,8			5,5	
on electrodes, a/dm2.	4	4	9	9	9	_
rickling time. sec	9	9	6	3,2	6	6
Acid Concentration, 8/1 Production of First - Grade	23	20	17,2	17,2	17,0	17.0
Tin Plated Sheets, 0/0	69	73	70	74	71	48

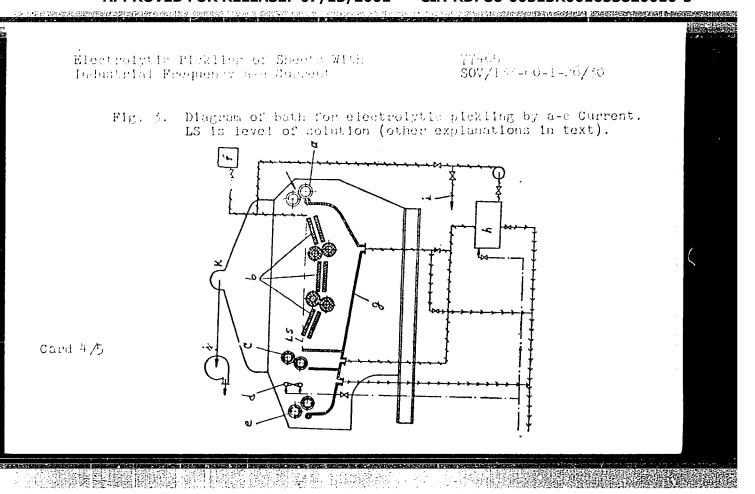
Electrolytic Pickling of Sheets With Industrial Frequency a-c Current

77465 **SOV**/133-60-1-26/30

The sheets were free of imperfections, contrary to pickling without current when 38% had surface flaws. Tests with bright annealed hot and cold rolled sheets were successful. Hydrogen and oxygen liberation due to the electrolytic dissociation of water was not observed. Based on industrial tests, the authors recommend a pickling unit, as shown in Fig. 3, to be located between mechanized sheet feed and fluxing machine in the hot tin-plating installation. Sheets are fed to rollers (a) and pass two sections of electrolytic treatment between three sets of graphite electrodes (b) The distance between the sheets and graphite plates is 70mm and the total length of sheet travel under the current amounts to 840 mm. Time of treatment is calculated from t = 1 : v, where t = time (min); l = length of sheettravel (m); v = rate of sheet movement (m/min). With a rate of sheet movement of 15 m/min, the treatment lasts 5.5 sec. The clean sheet passes through extraction rollers (c), water jet (d), and water extraction rollers (e). The pickling solution circulates through pressure

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tank (f) (capacity: 0.3 m²), pickling bath, (g) capacity: 1.2 m²), and reserve tank (capacity: 2.0 m²), from which it may be transferred for regeneration along line (i). The Fe content should not exceed 100 g/l. Contaminated air is exhausted by fan (j) (capacity: 6000 m²/h) by way of hood (k). The method is effective in cleaning sheets, continuously moving strip, and wire as well as for the treatment of inner and outer tube surfaces. Advantages: (1) higher quality of product; (2) improved working conditions; (3) decrease in manual labor; (4) saving in power and chemicals. There are 3 figures; 1 table; and 4 Soviet references.

ASSOCIATION:

Scientific Research Institute of Chemical Machinery

(NIIKhIMMASh)

Card 5/5

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ACCESSION NR: AP4035104

AUTHOR: Sukhov, S. I.; Levin, A. N.

TITIE: Fiberglass clad with chemically stable thermoplastics. Methods of

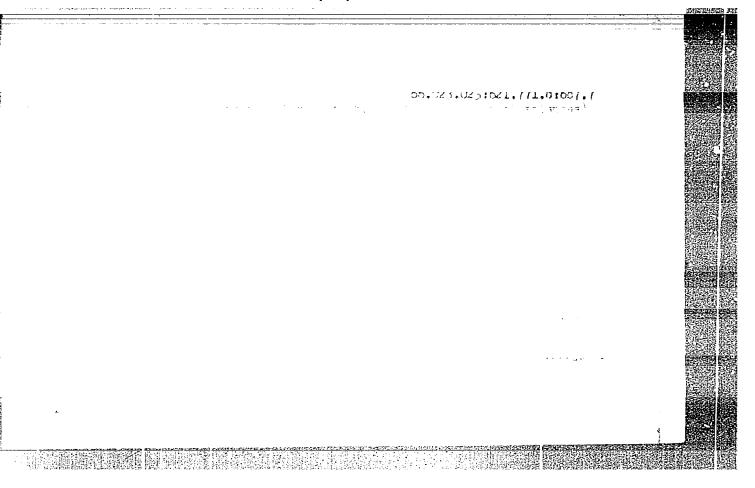
preparing and technology of manufacturing chemical apparatus

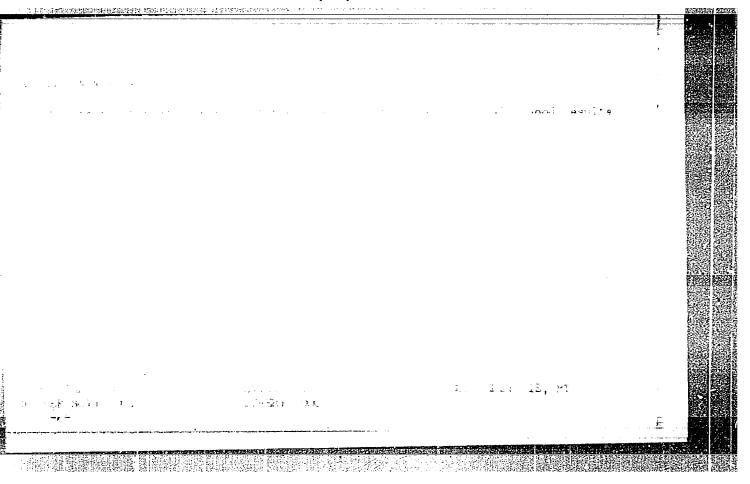
BOURCE: Plasticheskiye massy*, no. 5, 1964, 33-38

TOPIC TAGS: chemical apparatus, manufacture, thermoplastic clad fiberglass, chemically stable fiberglass construction, polyester fiberglass thermoplastic lamina, plastic cladding, machine construction, hermetic fiberglass, polyethylene clad fiberglass, polypropylene clad fiberglass, polyvinyl chloride clad fiberglass, fluoroplastic clad fiberglass, glass-reinforced plastic laminate, hermetic glass-reinforced plastic

ABSTRACT: Work was done on preparing lamellar compositions based on polyester glass-reinforced plastic and chemically resistant thermoplastics which may be applied in chemical apparatus and machine construction. The limited chemical stability and low hermetic state of fiberglass may be overcome by cladding with materials such as low- or high-density polyethylene, polypropylene, polyvinyl chloride, vinyl, or fluoroplastics. Cladding conditions and methods for forming

Cord 1/2





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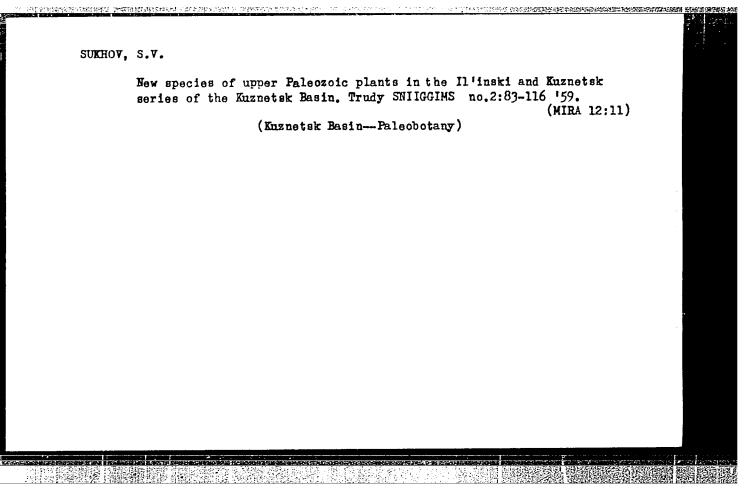
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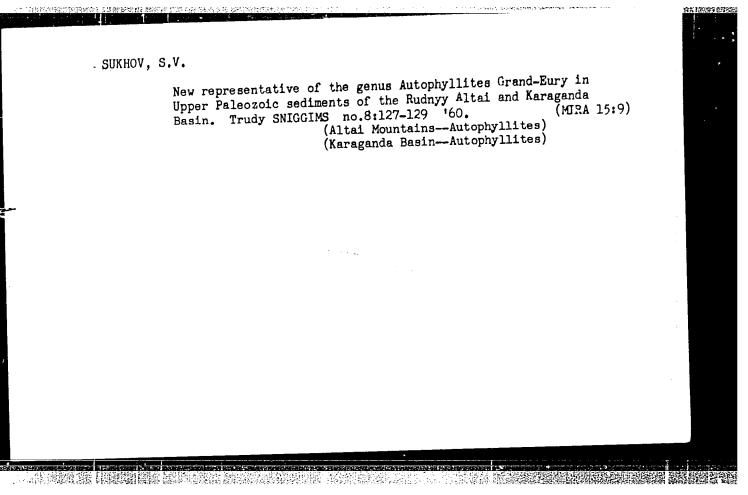
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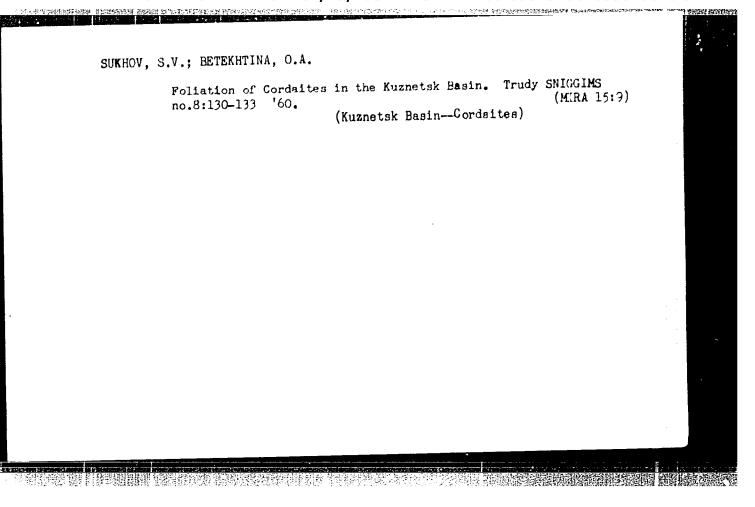
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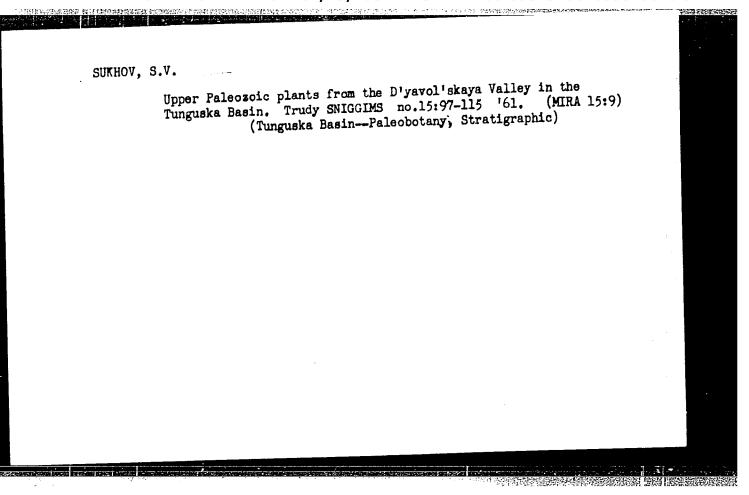
(Kazakhstan---Paleobotany, Stratigraphic)

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ARUSTAMOV, A.A., red.; DERBIKOV, I.V., red.; KAZARINOV, V.P.,

red.; KALUGIN, A.S., red.; MALIKOV, B.N., red.; HIKUTSKIY, S.P.,

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