

KRUTOVA, M.I. (Saratov)

Organizing individual work of the students in geometry lessons.
Mat. v shkole no.6:58-59 N-D '59. (MIRA 13:3)
(Geometry--Study and teaching)

USSR/Biology - Embryology

Card 1/1 : Pub. 22 - 40/41

Authors : Krutova, T. A.

Title : Effect of periodic chilling on the cell dimensions of a chicken embryo

Periodical : Dok. AN SSSR 98/2, 313-315, Sep 11, 1954

Abstract : Thesis on the effect of periodic chilling on the cell dimensions of a chicken embryo is presented. Four references: 1-German and 3-USSR (1931-1943). Tables; graphs.

Institution : The A. I. Gertsen Pedagogical Institute, Leningrad

Presented by : Academician E. N. Pavlovskiy, May 24, 1954

AUTHOR: Krutova, Z.M., Engineer 28-5-7/30

TITLE: The Growth of the Chemical Industry and the Struggle for Quality in Production (Rost khimicheskoy promyshlennosti i bor'ba za kachestvo produktsii)

PERIODICAL: Standartizatsiya, 1957, # 5, p 33-35 (USSR)

ABSTRACT: The article gives brief information on the increase (in percentages) of Soviet chemical production since the revolution (in the current Five-Year Plan the 1955 production figure will be doubled).

It then enumerates the production items now standardized such as: butadiene-sodium rubber, divinyl nitrile rubber and the grades of divinylstyrene rubber being produced in large quantities. It is planned to standardize the latexes "nairite", and oil-filled divinylstirole rubber in the near future. Approximately 40 % of technical rubber products are not yet standardized.

Some products of the chemical industry do not yet meet the requirements. For instance, automobile tires are very different in quality; in some cases conveyer belts fail considerably earlier, although their service life is expected to be about 3 years. The complaints of consumers concerning the content

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28-5-7/30

The Growth of the Chemical Industry and the Struggle for Quality in Production

of impurities in mineral acids and the content of nutrients in fertilizers are justified.

Standardization work in the immediate future has to be directed on improvement of mineral fertilizers and insecticides. The assortment of auxiliary substances used in dyeing of textiles has to be increased and the washing preparations, wetters, emulgators, dressers and fasteners have to be standardized.

The assortment of special synthetic rubber has to be extended and the nutrient raw materials have to be replaced; it is necessary to produce rubber which requires no thermoplasticification. The service life of pneumatic tires has to be increased and the assortment of these tires must be extended by changing design and raw materials. The service life of technical rubber products has to be increased, manual production operations have to be replaced by mechanized and automated processes, which will bring about an abrupt decrease in prime costs and improve the quality.

The purity of chemical reagents has to be increased; they have to be classified and the methods of their chemical analysis have to be unified. Production techniques of high-

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28-5-7/30

The Growth of the Chemical Industry and the Struggle for Quality in Production

strength artificial fibers for cord fabric and technical fabrics must be mastered. It is necessary to provide chemicals for the rubber industry (sooth, accelerators, sulfur, chalk, zinc oxide, etc) which do not require additional processing at the consumer plants.

The experience of the foremost plants, the data of scientific research as well as foreign experience have to be utilized in the big task of standardization of chemical products.

ASSOCIATION: Ministry of Chemical Industry of USSR (Ministerstvo khimicheskoy promyshlennosti SSSR)

AVAILABLE: Library of Congress

Card 3/3

VYSOKOVA, Z.V.; KRUTOVA, Z.M.

All-Union conference on the quality and assortment of
synthetic rubber and latexes. Kauch. i rez. 24 no.12;
50-51 '65. (MIRA 18:12)

BETTER, V.A.; KLIMOVA, K.N.; KRUTOVERTSEV, A.I.; RABINOVICH, S.I.; ROZANOVA, L.M.

Influence of antipertussoid and antistreptococcal immunization on the
body of donors. Akt.vop.perel.krovi no.4:34-36 '55. (MIRA 13:1)
(WHOOPING COUGH--PREVENTIVE INOCULATION)
(STREPTOCOCCAL INFECTIONS--PREVENTIVE INOCULATION)
(BLOOD DONORS)

KRUTOVERTSEV, A. I.

Drip intravenous injection of strophanthin, novacaine, and adrenaline.
Sov. med. 19 no.11:31-34 N '55 (MLRA 9:1)

1. Iz fakul'tetskoy terapevticheskoy kliniki (sav.-zasluzhennyy deyatel' nauki prof. V. A. Val'dman) Leningradskogo pediatricheskogo meditsinskogo instituta (dir.-prof. N. T. Shutova)

(STROPHANTHIN, administration,
intravenous drip)

(PROCAINE, administration,
intravenous drip)

(EPINEPHRINE administration,
intravenous drip)

KRUTOVERTSEV, A. I.

KRUTOVERTSEV, A. I. -- "The Therapeutic Effect of Intravenous Drop Administration of Solutions of Strophantin, Novocaine, and Adrenalin in Certain Pathological States." Leningrad, 1956. (Dissertation for the Degree of Candidate in Medical Sciences).

So: Knizhnaya letopis', No 8, 1956, pp 97-103

KRUTOVERTSEV, A.I., kand.med.nauk

Characteristics of the course of myocardial infarction in very old persons. Trudy LPMI 31 no.2:349-351 '63. (MIRA 17:10)

Cause of lethal outcome in myocardial infarction. Ibid.:352-356

1. Iz kafedry gosital'noy terapii Leningradskogo pediatricheskogo meditsinskogo instituta.

KRUTOVOY, P.I., kand.tekhn.nauk

Scientific Research Institute of Rural Construction will give more help to rural builders. Sel'. stroi. 15 no.11:25-26 N '60.

(MIRA 13:11)

1. Direktor Nauchno-issledovatel'skogo instituta sel'skogo stroitel'stva Ministerstva sel'skogo khozyaystva RSFSR.
(Farm buildings) (Building research)

KIWTOVSKAYA, O.V.

Treating chronic gastritis with mineral water from a saline-iodine-bromide spring at Goryachiy Klyuch Health Resort. Vop. kur., fizioter. i lech. fiz. kul't. 24 no.6:525-530 N-D '59. (MIRA 15:1)

1. Iz fakul'tetskoy terapevticheskoy kliniki (ispolnyayushchiy obyazannosti zaveduyushchego - dotsent A.A. Gol'dshteyn) Kubanskogo meditsinskogo instituta imeni Sovetskoy Armii, Krasnodar.
(STOMACH--INFLAMMATION)
(GORYACHIIY KLYUCH--MINERAL WATERS)

KRUTOVSKAYA, O.V.

Blood coagulation changes in chronic hepatitis. Terap.arzh.
32 no.11:30-35 N '60. (MIRA 14:1)

1. Iz kafedry gosptal'noy terapii (zav. - dotsent V.Ie.
Bogdanov) i kafedry patologicheskoy fiziologii (zav. - prof.
N.A. Oyvin) Kubanskogo meditsinskogo instituta.
(BLOOD--COAGULATION) (LIVER--DISEASES)

^A
KRUTOVSKIA, O.V.

Resorption capacity of the skin capillaries in hypertension and
myocardial infarct. Klin.med. 38 no.6:90-94 Je '60.

(MIRA 13:12)

(HYPERTENSION) (HEART—INFARCTION) (CAPILLARIES—PERMEABILITY)

KRUTOVSKAYA, O.V. (Krasnodar)

Effectiveness of splenectomy in hepatolenticular degeneration.
Klin.med. 38 no.9:131-133 S '60. (MIRA 13:11)

1. Iz kliniki gosital'noy terapii (zav. - dotsent V.Ie. Bogdanov)
Kubanskogo meditsinskogo instituta imeni Krasnoy Armii (dir. -
prof. V.K. Suprunov).
(HEPATOLENTICULAR DEGENERATION) (SPLEEN—SURGERY)

BELOUSOVA, Ye. A. , Ignatovskiy, B. and Kiseleva, A. A.

"Phenological Seasons of the Siberian Tiaga."

report presented at a Phenological Conference in Leningrad, Nov 57,
by USSR Geographical Soc.

KRUTOVSKAYA, Ye. A. (Krasnoyarsk); ALPAT'YEV, A. M., Prof., Leningrad, BEYDEMAN, I. N.
SHIMANYUK, A. P. (Prof.); and BUTORINA, T. N.

"Correlations between rates of Seasonal Development of Organisms and
Inorganic Factors of Surroundings."

report presented at a Phenological Conference in Leningrad, Nov 1957,
by the USSR Geographical Society.

BUTORINA, T.; KOZLOV, V.; KRUTOVSKAYA, Ye.; NEMCHINOV, V., red.;
GIL'DEBRANT, Ye., ~~tekhn.~~ red.

["Stolby" State Preserve] Gosudarstvennyi zapovednik "Stolby."
Krasnoiarsk, Krasnoiarskoe knizhnoe izd-vo, 1961. 1 v.
(MIRA 15:3)

("Stolby" State Preserve)

KRUTOVSKIKH, A.V., kapitan meditsinskoy sluzhby

Epidemiology, clinical aspects, and prevention of dengue fever;
a review. Voen-med. zhur. no.1:14-19 Ja '56 (MLRA 10:5)
(DENGUE,
review) (Rus)

BAKIROV, Urkhan Khakimzhanovich; KRUTOVSKIKH, Nikolay Dmitriyevich;
SIDOROV, Pavel Sidorovich; BUGOMOLOV, V.I., ~~inzhener~~, ~~retsensent~~;
BUBOK, K.G., redaktor; YEZDOKOVA, M.L., redaktor; EVINSON, I.M.
tskhnicheskiiy redaktor

[Ventilating overheated sections in copper pyrite mines] Opyt
provetrivanii razogretykh uchastkov mednokolchედannykh shakht.
Moskva, Gos.nauchno-tekhn.isd-vo lit-ry po chernoi i tsvetnoi
metallurgii, 1955. 46 p. (MLA 8:10)
(Mine ventilation) (Chalcopyrites)

KRUTOVSKIKH, N.D.

Modern achievements in the control of endogenous fires in Ural
Mountain copper-pyrite mines. Trudy Unipromedi no.2:42-47 '57.
(MIRA 11:11)
(Ural Mountains--Copper mines and mining)
(Mine fires)

BAKIROV, U.Kh., gornyy inzhener; KRUTOVSKIY N.D., gornyy inzhener; YERMOLAYEV,
A.A., gornyy inzhener.

Counterrotor fans. Gor. shur. no. 5170-21 Vy '57.

(MIRA 10:6)

1. Unipromed'.
(Great Britain--Mine ventilation)
(Fans, Electric)

KRUTOVSKIN S.M., VASILYEV D.A. and GILWA, A.T.

*Preparation of carious cavities without drilling STOMATOLOGIJA 1953, 5 (16-20)
(Russian text)

A new treatment of human carious teeth by means of pure chemicals without any use of drills etc. has been tried. A 10% solution of lactic acid was used for etching and softening the carious cavities. After excavation the bottoms of the cavities were dried and neutralized with a bicarbonate solution and then filled in the ordinary way with cements and amalgams. Re-examinations 12-18 months later only showed very few cases of secondary caries and no pulp complications at all.

Eggers Lura-Holbaek

SO: EXCERPTA MEDICA, Section II, Vol. 7, No. 11

KRUTOVSKIY, L. A., V. A. Salyayev, Z. V. Stananova, Majors, Vet Corps; V.V. Loshke: (?),
Capt, Vet Corps

"Toxicity and Organotropy of Acridine Preparations (IV)" -- (from table of contents for Equine Diseases, a book compiled by A. Yu. Branzburg and A. Ya. Shapiro under the editorship of A. M. Laktionova, State Press for Agricultural Literature, Moscow, 1947. It is a collection of works on epizootology, surgery, therapy, and laboratory and clinical practice in the treatment of equine diseases, most of which were previously published in the journal Veterinariya or in one of the manuals issued by the Veterinary Administration of the Armed Forces USSR)

SOURCE: Bolezni Loshadey, Sbornik Rabot, Ogiz-Sol'khozgiz

VALLER, A. A. Col.; KHUTOVSEIY, L. A. Major
Veterinary Service

"Roentgen method of coordinates for finding the place of
deposit of foreign bodies."

SO: Veterinariia 24(5), 1947, p. 31

KRUTOVSKIY, L.A.; SHCHETINOV, L.A.

Experiment of new therapeutic shoeing in dislocation of the
ungulate bone of horses. Veterinariia 30 no.3:50-53 Mr '53.
(MLBA 6:3)

1. Omskiy veterinarnyy institut.

KRUTOVSKIY, V.

Regional economic councils do not need marketing organizations. Sov.torg. 33 no.7:26-27 J1 '60.

(MIRA 13:7)

1. Upravlyayushchiy respublikanskoy kontoroy "Bakaleya," Kishinev.

(Wholesale trade)

VALUATION NR. AR4049246

S, 0270, 64, 000, 004, 0034, 0035

SOURCE: Ref. zh. Geodeziya. Otd. vy'p., Abs. 8.52 228

AUTHOR: Krutoy, B. F.

TITLE: General method for solving basic calculation problems on the surface of the terrestrial spheroid

CITED SOURCE: Izv. Tomskogo politekhn. in-ta, v. 118, 1963, 102-112.

TERREST. TAGS terrestrial sphere, earth surface geodesic problem, McCay method

RELATIONSHIP. The following operating equations were derived from differential

the same is required for S_{12} and Δ .

$\frac{d}{dt} \left(\frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$

L 17989-69

ACCESSION NR: AR4049246

$$v_{\mu F}(0) = \frac{V}{V} \sqrt{1 - \epsilon^2} (\arctg(\rho \operatorname{tg} \varphi_2) - \arctg(\rho \operatorname{tg} \varphi_1))$$

$$v_{\mu F}(1) = \frac{V}{V} v_{\mu F}(0) - \frac{1}{6} \epsilon^2 \sqrt{1 - \epsilon^2} (\varphi_2 - \varphi_1)$$

$$- \frac{1}{6} (\sin 2\varphi_2 - \sin 2\varphi_1)$$

$$v_{\mu F} = \frac{5\epsilon^2}{6} \sqrt{1 - \epsilon^2} - \frac{5}{6} \epsilon^2 \sqrt{1 - \epsilon^2} \left(\frac{1}{2} \sin 2\varphi_1 \right)$$

where

$$\varphi_1 = \arctg \frac{V}{V} \sqrt{1 - \epsilon^2} \quad \varphi_2 = \arctg \frac{V}{V} \sqrt{1 - \epsilon^2}$$

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ACCESSION NR: AR4049246

(Abstracter's Note: The author's solution represents a variant of McCoy's method —
 Ref. Zhur. Astronomiya, 1956, No. 11, 6544. See illustration. $1/\sin B_0$
 $\sin B_0 \arctg(\rho/\lg Q) = h_1(1-1/2)$. The author also allowed errors in integra-
 tion; this should be

$$C_{2a} = (-1)^a \sum_{k=0}^{\infty} \frac{(2\lambda+1)!! (2\lambda-1)!!}{2^{2k} (\lambda-k)! (\lambda+k)!} k^{2k}.$$

Bibl. with 7 titles V. Gan'shin

SUB CODE: ES, MA

ENCL: 00

Card 3/3

KRUTOY, B.F.

General aspects of the correlations of connections in adjusting planimetric radial networks and subsequently resulting problems. Izv. TPI 112:76-80 '63.

Main forms of conditions emerging in planimetric radial networks. Ibid.:81-101

General methods of solving local adjustment problems on the surface of the earth: spheroid. Ibid.:102-112 (CMA 18:7)

56

88890

S/044/60/000/007/046/058
C111/C222

16.6100

AUTHOR: Krutoy, B.F.

TITLE: Generalized Gaussian laws

PERIODICAL: Referativnyy zhurnal. Matematika, no.7, 1960, 185.
Abstract no.8062. Izv.Tomskogo politekhn.in-ta, 1958, 93,
208-218

TEXT: For practical measurements the author proposes a law of distribution which is similar to the normal one. It differs from it, however, in the fact that it is assumed that all observations are concentrated on a finite interval (this law is called the generalized Gaussian law). The author gives a table which shows how far the probabilities calculated according to this generalized law differ from those calculated according to the normal law. X

[Abstracter's note: The above text is a full translation of the original Soviet abstract.]

Card 1/1

9/035/60/000/006/036/038
A001/A001

Translation from: Referativnyy zhurnal, Astronomiya i Geodeziya, 1960, No. 6,
p. 114, # 5686

AUTHOR: Krutoy, B. F.

TITLE: Surface Plane Ray Networks and the General Method of Their
Plotting

PERIODICAL: Izv. Tomskogo politekhn. in-ta, 1958, Vol. 93, pp. 219-233

TEXT: The author assigns the name of "ray" networks to a system of
points connected by directions in such a way, that the network turns out to be
consisting not only of triangles but also rectangles. He presents considerations
on the methods of plotting these networks.

Translator's note: This is the full translation of the original Russian
abstract.

Card 1/1

KRUTOY, B. F., dotsent

Follow-up of A. I. Masmishvili and B. I. Beliaev's manual
"Method of least squares." Izv. vys. ucheb. zav.; gor. zhur.
no.9:187-192 '61. (MIRA 15:10)

1. Tomskiy ordena Trudovogo Krasnogo Znameni politekhnicheskii
institut imeni S. M. Kirova. Rekomendovana nauchnymseminarom
kafedr geodezii i marksheyderskogo dela.

(Least squares)
(Masmishvili, A. I.) (Beliaev, B. I.)

MILASHEV, V.A.; KRUTOYARSKIY, M.A.; RABKIN, M.I., kand.geol.-mineral.nauk;
ERLIKH, E.N.; BASHMAKOVA, Z.I., red.izd-va; IYERUSALIMSKAYA, Ye.
S., tekhn.red.

[Kimberlite rocks and picrite pophyries in the northeastern part
of the Siberian Platform.] Kimberlitovye porody i pikritovye por-
firy Severo-Vostochnoi chasti Sibirskoi platformy. Moskva, Gosge-
oltekhizdat, 1963. 214 p. (Leningrad. Nauchno-issledovatel'skii
institut geologii Arktiki. Trudy, vol.126). (MIRA 17:2)

KRUTOYARSKIY, M.A.

Efficient method for compiling maps of areas of mineral concentrates.
Trudy IAFAN AN SSSR Ser. geol., no.9:155-161 '63. (MIRA 16:12)

KRUTOYARSKIY, M.A.

Omonoes kimberlite bodies in the Olenek area. Zap. Vses. min.
ob-va 87 no.2:166-180 '58. (MIRA 11:9)

1. Nauchno-issledovatel'skiy institut geologii Arktiki, Leningrad.
Deyatvitel'nyy chlen Vsesoyuznogo mineralogicheskogo obshchestva.
(Omonoes Valley--Kimberlite)

KRUTOYARSKIY, M.A.; LOPATIN, B.G.; BYSTROVA, G.A.; UKHANOV, A.V.; DUKHANIN,
S.F.; ZABURDIN, K.S.

Kimberlites in the Omonos and Ukukit Basins. Trudy NIIGA 65:79-
105 '59. (MIRA 13:12)

(Omonos Valley--Kimberlite)

(Ukukit Valley--Kimberlite)

RABKIN, M.I.; KRUTOYARSKIY, M.A.; MILASHEV, V.A.

Classification of kimberlite rocks in Yakutia and their nomenclature. Trudy NIIGA 121:154-164 '62. (MIRA 15:9)
(Yakutia—Kimberlite—Classification)

KRUTOYANSKIY, M.A.; MILACHEV, V.A.

Dependence of the morphology of diamond crystals on the facies
conditions governing the formation of kimberlites in the Siberian
Platform. Zap.Vses.min.ob-va 93 no.6:697-703 '64.

(MIRA 18:4)

KRUTSAY, Miklos

Multiple spinal cord abnormalities with diastematomyelia. Orv. hetil.
98 no.45:1246-1248 10 Nov 57.

1. A Nagykanissai Varosi Tanacs Korhaza, Nagykanissa (igazgato-foorvos:
Szauter Bela dr.) Prosecturajanak (foorvos: Pero Csaba dr.) es a Tol-
namegyei Tanacs Balassa Janos Korhaza, Szekszard (igazgato-foorvos:
Pelikan Erzssebet dr.) Prosecturajanak (foorvos: Kovacs V. Karoly dr.)
kozlemenye.

(SPINAL CORD, abnorm.

diastematomyelia with multiple spinal abnorm. (Hun))

KRUTSAY, HU:lon

Conversion of sledge microtome into microtome knife sharpening device.
Kiserletes orvostud. 10 no.2-3:334-335 Apr-June 58.

1. Tolnacs Balassa Janos Korhaza Prosecturaja. Szekszard.
(MICROTOMES
sledge microtome conversion into knife sharpening device
(Hun))

KRUTSAY, Miklos

Use of a dehydrating inlay in embedding series. Kiserletes orvostud.
10 no.2-3:335-336 Apr-June 58.

1. Tolnamegyei Tanacs Balassa Janos Korhaza Prosecturaja Szekszard.
(HISTOLOGY
dehydrating inlay for embedding series (Hun))

KRUTSAY 10
EXCERPTA MEDICA Sec 5 Vol 12/5 Gen. Path. May 59

1254. A SIMPLIFIED STAINING FOR MYELIN IN PARAFFIN SECTIONS - Einfache Markscheidenfärbung für Paraffinschnitte - *Krutsay M.* Pathol. Abt., Balassa-János-Krankenb., Szekszárd - ZBL. ALLG. PATH. PATH. ANAT. 1958, 98/1-2 (8-10) illus. 2

Staining method: (1) Fixation of 5-10 mm. thick slices in 4% formalin for 20-24 hr. (2) Cutting of 2 mm. thick slices; after fixation for 24 hr. (3) Washing for 30 min. in running water. (4) Mordant: Chromic acid 2% and Fe-chloride 5% in distilled water for 24 hr. (5) Washing for 30 min. in running water. (6) Paraffin embedding; sections 7-15 μ . (7) Alcohol 96%. (8) Place sections in the staining solution: 20% alcoholic-haematoxylin 5 ml., HCl (25%) 0.5 ml., distilled water 100 ml. for 60 min. at 56° C. (9) Wash in distilled water for 3 min. (10) Differentiate in: K-ferricyanide 1 g., distilled water 100 ml., saturated solution of Na-carbonate 10 ml. for 5-10 min. (11) Wash in distilled water for 5 min. Jabonero - Oviedo (V, 1)

EXCERPTA MEDICA Sec 5 Vol 12/10 General Path Oct 59

3252. HISTOLOGICAL METHOD FOR THE DEMONSTRATION OF CALCIUM -
Methode zum histologischen Kalknachweis - Kruttsay M. Pathol. Abt.,
'Balassa János' Komitaskrankenh., Szekszárd - ZBL. ALLG. PATH. PATH.
ANAT, 1058, 98/7-8 (406-407) illus. 2

The following modification of the procedure according to Kossa is indicated, giving quicker and exacter results than reduction with UV- or daylight, in which the calcium shows black on a brownish-yellowish background. (1) Deparaffinated sections go from distilled water into a 1% silver nitrate solution for 2 min. (2) Careful washing in distilled water (5 min.). (3) Pour fresh, concentrated watery sodium dithionite solution over the section. This immediately reduces the silver salts. (4) Wash in distilled water (3 min.). (5) Alcohol series, carbol, xylol, etc.

Göthert - Erfurt (V. 1)

KRUTSAY, Miklós, Dr.

Atresia of the ductus venosus arantii. Orv. hetil. 99 no.3:102-103 19 Jan 58.

1. A Nagykanizsai Varosi Tanacs Korhaza (igazgato-foorvos: Szauter Bela dr.) Prosecturajanak (foorvos: Pero Csaba dr.) es a Tolnamegyei Tanacs Bolassa Janos Korhaza (igazgato-foorvos: Pelikan Ersebet dr.) Prosecturajanak (foorvos: Kovacs V. Karoly dr.) kozlemenye.
(CARDIOVASCULAR DEFECTS, CONGENITAL, case reports
atresia of ductus venosus arantii (Hun))

EXCERPTA MEDICA Sec 5 Vol 12/10 General Path Oct 59

3196. SOLITARY PLASMACYTOMA OF THE SKIN - Kruttsay M. Dept of
Pathol., Distr. Hospital, Keszthely, Hungary - ONCOLOGIA (Basel) 1950,
12/3 (227-232) illus. 4

In a man of 88 a tumour the size of a walnut was removed from the temporal region
of the skin. The pathological diagnosis was plasmacytoma. Clinically inflammatory
signs had been absent, and the tumour had grown rapidly (2 months). There were
no protein disturbances in the blood serum. One year after the operation no re-
currence has occurred. The literature is shortly reviewed; solitary plasmacyto-
mas are rare in the skin. Only one case can be accepted as such. (XVI, 5, 13)

KRUTSAY, Miklos

A method for simultaneous preparation of several paraffin blocks. Kiserletes Orvostudomány 12 no.1:106-107 F '60.

1. Jurasz Korhaz Prosecturaja, Keszthely.
(HISTOLOGY)

PALASTHY, Geza, dr.; KRUTSAY, Miklos, dr.

Primary carcinoma of the liver with lymphatic reaction in a 5-month-old boy. Orv. hetil 103 no.2:78-80 Ja '62.

1. Keszthelyi Jarasi Korhas, Gyermekosztaly es Prosectura.

(LIVER NEOPLASMS in inf. & child.)

KRUTSAY, Miklos, dr.; BERENNY, Zoltan, dr.

Carcinoid syndrome verified by autopsy. Orv. hetil. 105
no.31:1473-1474 2 Ag '64.

1. Keszthelyi Varsai Kornaz. Kertészti György (forvos:
Krutsay Miklos dr.).

HUNGARY

MAGYAR, Karoly, Dr, KRUTSAY, Miklos, Dr; City Council of Keszthely, Hospital, Health Institute and Laboratory (Keszthelyi Varosi Tanacs Korhaza Gyogyintezet es Laboratorium).

"Sugar Loading Tests in Diseases of the Coronary Arteries."

Budapest, Orvosi Hetilap, Vol 107, No 44, 30 Oct 66, pages 2074-2075.

Abstract: [Authors' Hungarian summary] Double glucose loading tests were carried out in patients with coronary disease. A total of 65 patients were studied. Latent diabetes was found in 60 per cent of the cases. In the presence of coronary disease, the routine performance of glucose loading tests is recommended. 4 Hungarian, 3 Western references.

KRUTSENKO, I.P.

Let us keep up with the front ranks. Farmatsev. zhur. 16 no.6:63-66
'61. (MIRA 15:5)

1. Glavnoye aptechnoye upravleniye.
(TRANSCARPATHIA--DRUGSTORES)

KRUTSENKO, I. P.

Better collectives of pharmacy workers in Kherson. Farnatsev.
zhur. 17 no.1:75-77 '62. (MIRA 15:6)
(KHERSON PROVINCE—PHARMACEUTICAL SOCIETIES)

KRUTSENKO, I.P.

Learn from the best workers. Farmatsev.shru. 17 no.4:70-71
'62. (MIRA 16:3)
(PHARMACY)

KRUTSILKO, I.P.

The personnel of the Sumy Province pharmacies has improved. Farmatshev.
zhur. 18 no.1:70-74 '63. (MIRA 17:10)

KRUTSENKO, I.P.

Activities of drugstore branches in polyclinics. Farmatsev. zhur. 19
no.4:65-67 '64. (MIRA 17:11)

1. Glavnoye aptechnoye upravleniye Ministerstva zdravookhraneniya
UkrSSR.

GRINBAUM, F.T., professor, nauchnyy rukovoditel'; KRUTSEV, F.M., zamestitel' glavnogo vracha; MINEYEV, A.M., glavnyy vrach; GORKIN, Ye.H., dotsent, zaveduyushchiy; KULIKOV, Yu.A., starshiy nauchnyy sotrudnik.

Decision of the joint conference of the Gor'kiy branch of the All-Union Mechnikov Society of Microbiologists, Epidemiologists and Specialists in Infectious Diseases and of epidemiologists and bacteriologists of the Gor'kiy Province, Municipal and District Sanitation and Epidemiological Stations of May 15, 1952. Zhur.mikrobiol.epid.i immun. no.3:96-99 Mr '53.
(MLRA 6:6)

1. Gor'kovskiy institut epidemiologii i mikrobiologii (for Grinbaum and Kulikov).
2. Gor'kovskaya oblastnaya sanitarno-epidemiologicheskaya stantsiya (for Krutsev).
3. Gor'kovskaya gorodskaya sanitarno-epidemiologicheskaya stantsiya (for Mineyev).
4. Klinika detakikh infektsiy Gor'-kovskogo meditsinskogo instituta (for Gorkin).
(Typhus fever)

KRUTSKAYA, L.I.

Methods of calculating the number of ice nuclei formed by the
action of coolants. Trudy TSAO no.19:81-100 '58.

(MIRA 12:2)

(Carbon dioxide)

(Weather control)

KRUTSKEVICH, M.M.

New location of *Cleistogenes serotina* (Link.) Keng. in the
U.S.S.R. Ukr.bot.zhur. 15 no.4:99-100 '58. (MIRA 12:5)

1. Kamenets-Podol'skiy sel'skokhozyaystvennyy institut.
(Kamenets-Podol'skiy District--Salt-meadow grass)

KRUTSKEVICH, M.M.; SIDORENKO, I.D.

European mistletoe (*Loranthus europaeus* Jacq.) and its distribution
in the Ukrainian S.S.R. *Biul.Glav.bot.sada* no.35:116-117 '59.
(MIRA 13:2)

1. Kamenets-Podol'skiy sel'skokhozyaystvennyy institut.
(Ukraine--Mistletoe)

KRUTSKIKH, B.A.; BULGAKOV, N.P.

Semenovskiy Bank. Probl.Arkt. no.4:98 '58. (MIRA 11:12)
(Laptev Sea--Ocean bottom)

KRUTSKIKH, B.A.

Complex method for forecasting the rise and flow of surf
beats as revealed by a study of the bar of the Kolyma
River. Trudy AANII 264:18-30 '63. (MIRA 17:6)

KRUTSKIKH, B.A.

Melting of ice resulting from the thermal effect of water. Okean-
ologiya 1 no.4:642-645 '61. (MIRA 14:11)

1. Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy
institut.

(Sea ice)

KRUTSKIKH, D.V.; ANOKHIN, V.I.

When will perfect mechanisms be used in the construction of
communication lines? Vest. svyazi 21 no.7-30 J1 '61.

(MIRA 16:7)

1. Nachal'nik Tambovskogo stroitel'no-montazhnogo upravleniya
radiofikatsii (for Krutskikh). 2. Glavnyy inzh. Tambovskogo
stroitel'no-montazhnogo upravleniya radiofikatsii (for Anokhin).
(Electric lines--Poles)

KRUTSKIKH, Ye.V.

Adrenal function in Botkin's disease and liver cirrhosis. Terap.
arkh. 33 no.3:83-88 Apr '61. (MIRA 14:3)

1. Iz kafedry propedevtiki vnutrennikh zabolevaniy (zav. - chlen-
korrespondent AMN SSSR prof. S.M. Ryss) Leningradskogo sanitarno-
gigiyenicheskogo meditsinskogo instituta.

(LIVER—CIRRHOSIS) (HEPATITIS, INFECTIOUS)
(ADRENAL CORTEX)

KRUTSKIKH, Ye.V.;

Determining the functional state of the adrenal cortex in Botkin's disease and liver cirrhosis by the content of neutral 17-ketosteroids in the urine. Trudy LSGMI no.69:52-61 '61. (MIRA 15:11)

1. Kafedra propedevtiki vnutrennikh zabolevaniy Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (zav. kafedroy-chlen-korrespondent AMN SSSR prof. S.M.Ryss).
(HEPATITIS, INFECTIOUS) (LIVER—CIRRHOSIS) (STEROIDS)
(URINE—ANALYSIS AND PATHOLOGY)
(ADRENAL GLANDS)

BOVZHEN', N. I.; RABINOVICH, E. Ye.; KRUTS'KO, D.A.

Geometry of cutting tool and cutting conditions in broaching
brittle materials. Stan. i Instr. 35 no.5:35-36 Ny '64.
(MIRA 17:7)

RABINOVICH, E.Ye.; KOVZEL', N.I.; KRUITS'KO, D.A.

Broaches with an internal chip removal for machining deep holes.
Stan. 1 instr. 36 no.11,22-26 N '65. (MIRA 18,11)

L 37083-56 EWP(k)/EWT(m)/T/EWP(L)/ETI IJP(c) DN/CE

ACC NR: AP6008988

SOURCE CODE: UR/0121/65/000/011/0022/0026

AUTHORS: Rabinovich, E. Ye.; Kovzel', N. I.; Kruts'ko, D. A.

ORG: none

TITLE: Broaching with internal chip removal for machining deep openings

SOURCE: Stanki i instrument, no. 11, 1965, 22-26

TOPIC TAGS: metal broaching, broaching tool, metal cutting, broaching machine, cast iron, camera, strain gage, oscillograph/ 7A520 broaching machine, SCh12-28 cast iron, SKS-1M camera, BF-2 strain gage, MPO-2 oscillograph,

ABSTRACT: Based on recommendations by Ye. G. Konovalov (Osnovy novykh sposobov metalloobrabotki. Minsk, Izd-vo AN BSSR, 1961), a broaching tool of R18 alloy with internal chip removal was built and tested at SKB-12 in Minsk (see Fig. 1). The experiments were performed on horizontal broaching machine 7A520 at feeds of 0.1--1.5 mm/tooth and speeds of 3, 7 and 10 m/min using a coolant. These experiments were performed on 150 mm long SCh12-28 cast iron specimens. Films of the chipping process were taken with "Kiyev S-2" and SKS-1M film cameras, and broaching forces were recorded using BF-2 strain gages on an MPO-2 oscillograph. Curves of the specific broaching force (kg/mm) as a function of feed rate (0-1.5 mm/tooth) and tool angle ($\gamma = 10, 15, 20, 30^\circ$) and of chip size (mm) as a function of feed rate are presented. It was found that cast iron could successfully be broached at feeds of up to

Card 1/2

UDC: 621.919.3-47

L 37083-66

ACC NR: AP6008988

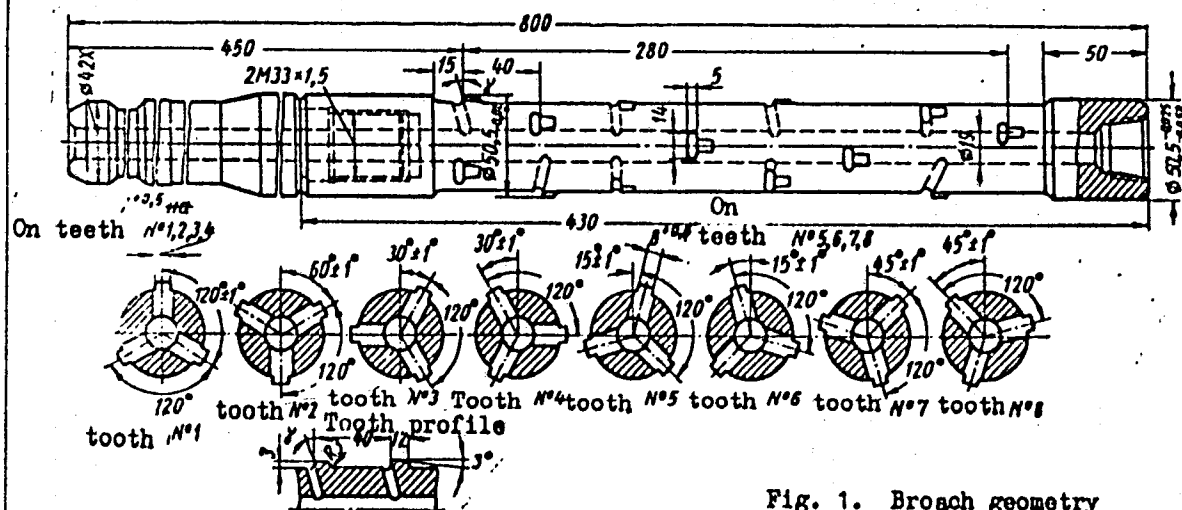


Fig. 1. Broach geometry

1.5 mm/tooth provided sufficient cooling fluid was introduced (≈ 90 liter/min).
 Orig. art. has: 8 figures. [Abstracter's note: There are 2 pages of detailed
 drawings of gear cutters between pages 24 and 25 of the article. These are not
 referred to and may belong with some other article.]

SUB CODE: 13/ SUBM DATE: none/ ORIG REF: 005

Card 2/2

SOV/111-59-1-29/35

AUTHORS: Kantor, L.Ya., Krutsko, G.P., Senior Engineers

TITLE: An Experiment in Introducing FM Reception of Frequency Modulation Stations into Rediffusion Stations of the Moscow Oblast' (Opyt vnedreniya priyoma UKV ChM stantsiy na radio-uzlakh Moskovskoy oblasti)

PERIODICAL: Vestnik svyazi, 1959, Nr 1, pp 34 - 36 (USSR)

ABSTRACT: The authors stress the convenience of additional radio programs transmitted from FM stations. FM reception experiments in the Moscow Oblast' are evaluated. At present the Khar'kovskkiye masterskiye UPP Ministerstva svyazi SSSR (Khar'kov work-shops of the UPP of the USSR Communications Ministry) are producing FM adapter parts for radio receivers. A sufficient amount of PTS-47 receivers was set free by the recent introduction of new TPS-54 receivers in the rediffusion stations. The remodeled PTS-47 receiver has 4 tubes, a sensitivity of 30 mv, an adjacent-channel sensitivity of 34 db, an image-channel sensitivity of 30 db, an amplitude modulation suppression of 30 db, the coefficient of the non-linear distortion is not above 2.5% in the 100 to 10,000

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SOV/111-59-1-29/35

An Experiment in Introducing FM Reception of Frequency Modulation Stations
Into Rediffusion Stations of the Moscow Oblast'

cycle band, and an AFC of up to 46 db. The noise interference during reception was traced to engines of the old models of ZIS-5 and GAZ-AA automobiles and ST-35 telegraphic apparatus. About 60 rediffusion stations in the Moscow Oblast' have taken up experimental FM service. A distance of 70 to 80 km from Moscow is adequately covered. Reception in Zaporosk and Narofominsk was not free from interference. Retransmission stations on the sector Drezna - Orekhovo - Zuyevo yielded additional 10 to 20 km depending on the antenna construction and local amounts of interferences. The author concludes that introduction of an FM program would be desirable, but two major obstacles have to be first overcome: the relatively high cost of the new receivers and the adverse feeling of many rediffusion station workers towards the new idea which requires a special psychological readiness

Card 2/3

SOV/111-59-1-29/35

An Experiment of Introducing FM Reception of Frequency Modulation Stations
Into Rediffusion Stations of the Moscow Oblast'

for the "old hands". There are 2 sets of diagrams and 1
block diagram.

ASSOCIATION: Proizvodstvennaya laboratoriya DRTS Moskovskoy oblasti (The
Industrial Laboratory of the DRTS of the Moskva Oblast')

Card 3/3

KRUTSKO, N.S.

Basic characteristics of the localization of chrysotile-asbestos
in the peridotite-serpentine zone of the Eastern Sayan Mountains.
Zakonom. razm. polezn. iskop. 6:195-205 '62. (MIRA 16:6)

1. Buryatskoye geologicheskoye upravleniye.
(Sayan Mountains—Chrysotile)
(Sayan Mountains—Asbestos)

KRUTSKO, N.S.; SOLOV'YEV, Yu.S.

Serpentines of the Bazhenovo asbestos-bearing region as a decorative and dressing stone. Trudy Gor.-geol.inst. UFAN
SSSR no.56:149-150 '61. (MIRA 15:7)
(Ural Mountains—Serpentine)

Н. Н. Т. 1.1
GARMAZOVA, A.D.; KALININA, M.A.; YEFREMOVA, M.F.; KRUTSKO, T.I.; YAKUBOVSKAYA,
G.V.; YAROMYUK, G.A.

Case of extensive transformation of plague strains into
pseudotuberculosis strains. Tes.1 dokl.konf.Irk.gos.nauch.-issl.
protivochum.inst. no.1:11-12 '55. (MIRA 11:3)
(PASTEURELLA)

S/078/61/006/001/015/019
B017/B054

AUTHORS: Ostroushko, Yu. I., Muzalevskaya, I. V., Krutsko, V. S.

TITLE: Solubility of Lithium Bicarbonate in Water

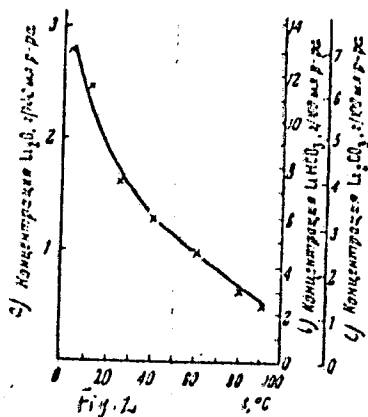
PERIODICAL: Zhurnal neorganicheskoy khimii, 1961, Vol. 6, No. 1,
pp. 229 - 231

TEXT: The authors studied the solubility of lithium bicarbonate in water at atmospheric pressure in a temperature range of from +2 to +90°C. Results are given in a table. Fig.2 shows the solubility of LiHCO_3 as a function of temperature. It decreases with increasing temperature. The solubility is 24.6 g/l at +90°C, 75.9 g/l at 25°C, and 126 g/l at +2°C. LiHCO_3 exists in solutions up to 90°C only if the solution contains CO_2 gas in equilibrium. There are 2 figures, 1 table, and 6 references: 1 Soviet, 1 US, 2 French, and 2 German.

SUBMITTED: June 18, 1960

Card 1/2

S/078/61/006/001/015/019
B017/B054



Legend to Fig.2: a) concentration of Li_2O , in g/100 ml of solution;
b) concentration of LiHCO_3 , in g/100 ml of solution; c) concentration of
 Li_2CO_3 , in g/100 ml of solution

Card 2/2

KRUTSYK, M.D., inzh.

Construction of improved lightened pavements on highways
in southern regions. Avt.dor. 24 no.9:0 S '61.

(TEL 14:10)

(Pavements, Bituminous)

KRUTSIN, M.D., inzh.

Territorial road-maintenance sections, Avt.dor. 26 no.9:3-4 S
'63. (MIRA 16:10)

KRUTSKY, Norbert; SALANSKY, Karel

New occurrence of pyritic ore forming near Prichovice
in the Jizerske hory Mountains. Cas min geol 8 no.2:
158-166 Ap '63.

1. Geologicky pruzkum Praha, zavod Dubi; Ustav uzite
geofyziky, Brno, pracoviste Praha.

KRUTSKY, Norbert

Information on the 15th Congress of the Czechoslovak Society
of Mineralogy and Geology. Cas min geol 9 no.3:389-390 '64.

WYCIĄG, LUSKA, Jadwiga; REJNIAK, Leopold; KRUTUL, Helena

Effect of thyroxine, tapazole and methylthiouracil on the liver
glycogen content in the rabbit. Int. Jol. 15 no.2:131-138
Ap-Je '64

1. Z Zakładu Anatomii Patologicznej Akademii Medycznej w
Białymstoku (Kierownik: prof. dr. med. L. Kowczyński) i z
II Kliniki Chorob Wewnętrznych Akademii Medycznej w Białym-
stoku (Kierownik: prof. dr. med. J. Chlebowski).

MESKAUSKAS, Kazimieras, kand. ekon. nauk; KRUTULYS, V., red.;
CIMBOLENKA, P., red.; PAKERYTE, O., tekhn. red.

[Industrialization of Soviet Lithuania] Tarybu Lietuvos industria-
lizavimas. Vilnius, Valstybine politines ir mokslines litera-
turos leidykla, 1960. 261 p. (MIRA 16:1)
(Lithuania--Industry)

MESKAUSKAS, K.; PURONAS, V.; POVILIUNAS, A.; MALISAUSKAS, V.;
JANUSKEVICIUS, V.; BERKAMNAS, E.; KRUTULYS, V., spets. red.;
POLUIKIS, J., spets. red.; CIMDOLENKA, P., red.; ANAITIS, J.,
tokhn. red.

[Twenty years of the Soviet Lithuanian national economy] 20
metu Tarybu Lietuvos liaudies ukiui. Vilnius, Valstybine
politines ir mokslines literaturos leidykla, 1960. 315 p.
(MIRA 15:6)

1. Lietuvos TSR Mokslu akademija, Vilna. Ekonomikos institutas.
(Lithuania--Economic conditions)

KRUTY, J., inz.

Mechanized cleaning of the undercarriage of diesel locomotives.
Tel dop tech 12 no. 2849-50 #64

KRUTY, R.; LITOMERICKY, S.; POZDECHOVA, E.; HUDAKOVA, G.; BIZA, J.

Therapeutic physical training and therapeutic work for patients with pulmonary tuberculosis. Bratisl. lek listy 44 no.6:353-360 '64.

1. Krajska tuberkulozna liecebna Nitra-Zobor (riaditel MUDr. R. Kruty), Ftizeologicka katedra SUDL v Pod. Biskupiciach (veduci MUDr. K. Virsik), Krajska nemocnica tbc a SHP v Pod. Biskupiciach (riaditel MUDr. K. Virsik, a Ustav zdrav. statistiky v Bratislave (riaditel prom. ekonom I. Estok).

KRUTYAKOV, F. B.

Metal-working machinery

New standards. Vest. mash. 31 no. 10, 1951.

9. Monthly List of Russian Accessions, Library of Congress, September, 1952, 1953. Unclassified.

POPOV, A.G.; KRUTYAKOV, V.M.

Determination of the amidase activity of trypsin by the method
of differential spectrophotometry. Biokhimiia 29 no.5:878-
881 J1-Ag '64. (MIRA 18:11)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR, Leningrad.

42453

S7725/61-000/001.002/000

AUTHORS: Yegiazarov, B.G., Dolenko, A.V., Aktipov, V.F., Krutyakov, Yu. A.

TITLE: An instrument for the measurement of the intensity of a magnetic field

SOURCE: Nekotoryye voprosy tekhniki fizicheskogo eksperimenta pri issledovanii gazovogo razryada; nauchno-tekhnicheskii sbornik, no.3. A.V. Chernetskii & L.G. Lomize, eds. Moscow: Gosatomizdat, 1961, 83-93

TEXT: The paper describes the design of an instrument for the measurement of the absolute magnitude and the direction of the magnetic-field force vector for individual points of fields within a range of 10 to 1,000 oersted and with nonuniformities of up to 15%/cm, the relative error of measurement throughout this range does not exceed 0.03%. The measuring range may be raised to 10,000 oe by a change in pickup heads. In order to eliminate errors due to nonuniformities in the angular velocities of the pickup induction coil, a compensation-type measuring technique is employed; in it a measuring coil rotates within the field to be measured, while a comparison coil, mounted on the same driveshaft, rotates within a known comparison field. Any unevenness of the angular velocity is reflected equally in the two coils, and the necessary error-eliminating expressions are developed and set forth. Criteria for the "punctuateness" of a small coil are presented. The

Card 1/3

An instrument for the measurement of the intensity... S/725/61/000/005/005/008

principal elements of the instrument are the pickup, the coordinate table, and the measuring unit. To ensure the "punctateness" of the measuring pickup, the dimensions of the cylindrical coil were held down to a 5-mm dia, a 3.6-mm length, and a wire dia of 0.02 mm. The sensitivity of such a coil, at a speed of 25 rps, is 720 $\mu\text{V}/(\text{a}/\text{cm})$. The coil is driven by a synchronous motor (1,500 rpm - not "rps" as stated in Russian original) via a conical gear transmission. Despite the 1.5-m length of the pickup device, required to achieve a long reach to cover the magnetic-intensity topography of extensive fields, the vibration of the coil does not exceed 0.01 mm. The collector of the coil consists of two silver rings and four graphite brushes. The measuring unit comprises a decade potentiometer, a null indicator, and a power-supply unit. A schematic circuit diagram is shown. Constancy in the total potentiometer resistance was achieved by pairing, in opposition to one another, identical decades of two KMC-6 (KMS-6) resistance units. As a result, very convenient contact potentiometers of 100 kohm (more accurately, 99,999 ohm) were obtained. The null indicator is a resonance amplifier tuned to the frequency of the emf produced in the coil. Since the a.c. hum constitutes the principal noise in the amplifier, the amplifier was tuned to 25 cps which, in turn, fixed the speed of the driver motor at 1,500 rpm. To achieve an elevated selectivity relative to the 50-cps frequency and its harmonics that might be produced by nearby powerful sources (motors, transformers, etc.), three resonance transformer stages with

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An instrument for the measurement of the intensity... S7125761/0007000/0005/0018

Permalloy cores were provided. Typical experimental data are shown and graphically mapped, including a measurement of a magnetic field with and without the introduction of a perturbation in the form of a ferrite body. Tabular data are presented to L. L. Shatobian for his assistance. There are 8 figures and 1 Summary of references.

ASSOCIATION: None given.

Card 3/3

42454

S/775/51.000/000/000/000

AUTHORS: Teplov, B.G., Dolenko, A.V., Antipov, V.F., Krasovskiy, Ye.I.

TITLE: One of the piezoelectric methods for the measurement of a component of the magnetic field strength in a point.

SOURCE: Nekotoryye voprosy tekhniki fizicheskogo eksperimenta pri issledovanii gazovogo razryada; nauchno-tekhnicheskii sbornik, no. 3. A.V. Chernetskii & I.G. Lomize, eds. Moscow: Gosatomizdat, 1961, 94-104.

TEXT: This paper describes a "punctate" field-strength-measuring device capable of measuring a component of the intensity of a constant magnetic field in a prescribed point in space with an accuracy of 0.5%. The distance between the pickup and the measuring unit may be of the order of tens of meters. The sensor consists of a tightly wound cylindrical coil (cf. Kamenskiy, Ye.I., *ibid.* Elektronika, no. 10, 1958, 199). The passage of an electric current through the coil evokes the action of a couple in the direction of an alignment of the coil axis with the magnetic field. If the current is alternating with an audio frequency, the coil will oscillate about an axis lying within the plane of the coil axis with the magnetic field. If force passing through the center of the coil, the coil will oscillate about an axis tied to the coil which is forced to oscillate with it and which produces an emf

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One of the piezoelectric methods ...

5/225/61/000/004/06/008

that is proportional to the magnetic field strength H and the constant current I , thus yielding a measure of the projection of the field strength onto the plane of the coil windings. This principle is well known, but its earlier embodiments (Birecent, R., C. r. Acad. sci., v. 234, no. 11, 1952, 1135; v. 241, no. 4, 1955, 365; v. 240, no. 10, 1955, 1064) failed to provide a means for the identification of the direction of the field-strength component thus measured. The new device achieves the determination of the field-strength projection onto the axis of the piezoelement, i.e., at a given point and for a given direction. The coil is supported by a bimorphic Ba-titanate ceramic beam which is thicknesswise polarized. Torsional oscillations yield a zero emf, and any emf arising in it is proportional to the projection of the magnetic-field strength onto the beam axis only. The phase difference between the output voltage of the piezoelement and the sinusoidal coil-feed current will also yield an indication of the sense of the magnetic field. The sensitivity of the device is increased by tuning the feed current in resonance with the proper flexural frequency of the coil-piezoelement-holder system. Laboratory tests are described and illustrated in schematic cross-sections and photographs; the effectiveness of the resonance tuning on the amplitude of the output signal is shown; it was found that input-current limitations imposed a practical magnetic-field strength threshold of 10 oersted, below which the needed input currents become too high to be tolerable. Noise induction from the coil to the metallized sheath of the piezoelement can be eliminated by covering the coil with "aquadag" graphite lubricant. The two halves

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One of the piezoelectric methods...

S/725/61/000/000/000/000

of the coil and the piezoelement must be pasted together exactly coaxially to avoid any errors due to torsionally produced shifts in the minimum signal. The details of the audio-frequency generator which feeds the sensor coil, the characteristics of the piezoelement, the amplifier, the capacitive phase shifter required for the compensatory piezoelement-voltage comparison, the compensation unit itself, and the use of the null indicator to establish the attainment of the compensation are fully explained. The pickup is maintained at a constant temperature of $50 \pm 0.5^\circ\text{C}$. All individual allowances are based on the specified summary error of measurement, which is not to exceed 0.5%. If two or three mutually perpendicular piezoelements are used, then two or three components can be measured simultaneously, with the only stipulation that the centers of the coils must not be more than, say, 3.5 mm apart to ensure reasonable simulation of local punctuate coincidence. The same result, of course, can be attained by a 90° rotation of a single coil. Thanks are expressed to L. Z. Rusakov for his substantial assistance in the project. There are 8 figures and 12 references (6 Soviet, 3 French, 1 English-language, and 2 Russian translations of English-language writings).

ASSOCIATION: None given.

Card 1/3

SOLOVYOV, V.F.: KONTYANOV, A.N.: SEMENOV, A.I.: GRIGORIEVA, M.T.: KUZNETSOV, A.N.:
SHILAKO, A.V.: TITANOV, A.V.

Meat Industry and Trade

Stakhanovite innovators speak of their work. Mas. ind. SSSR no. 2, 1952.

Monthly List of Russian Accessions, Library of Congress, August, 1952. UNCLASSIFIED

24.6200

8/109/60/005/06/013/021
E140/E163

AUTHORS: Kabanov, A.N., Kushnir, Yu.M., and Krutyakova, L.N.

TITLE: Measurement of 70 keV-Electron Energy Losses in Gases
by an Electrostatic Analyser \

PERIODICAL: Radiotekhnika i elektronika, 1960, Vol 5, Nr 6,
pp 981-985 (USSR)

ABSTRACT: The interaction of a 70 keV electron beam with atomic and molecular gases was carried out using an electrostatic electron-velocity analyser (Refs 1-4) with resolution of the order of 150000 ± 1 . The electron beam current did not usually exceed 5 μ A while the gas pressure was in the range 1×10^{-3} to 1×10^{-2} mm Hg. The electron energy loss was measured by the method described in*Ref 6. Experiments were carried out with helium, neon and argon, oxygen, nitrogen and nitric oxide, and carbon tetrachloride (at 45 kV). For the monoatomic gases certain loss lines detected in experiments with slow electrons are absent from the fast electron spectra while for molecular gases all values of loss energy detected in experiments with slow electrons occur as well for the 70 keV electrons. The energy

Card
1/2

80588

S/109/60/005/06/013/021
E140/E163

Measurement of 70 keV-Electron Energy Losses in Gases by an
Electrostatic Analyser

losses agree closely with the quantum-mechanical
theoretical values.

There are 1 figure, 4 tables and 11 references, of
which 4 are German, 6 Soviet and 1 English.

Card
2/2

SUBMITTED: June 6, 1959

* Radiotekhnika i elektronika, 1960, Vol.5, Nr 4, pp 672-675 (USSR)

KUSHNIR, Yu.M.; KABANOV, A.N.; KRUTYAKOVA, L.N.; TARASOVA, L.V.

Elastic and inelastic scattering of reflected electrons. Izv.
AN SSSR. Ser. fiz. 27 no.9:1235-1238 9 '63. (MIRA 16:9)
(Electrons--Scattering)