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ESK-1, and KSRM-1 Electronic Equipment (Cont.)

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1. Wiring table of the ESK-1 instrument
2. Wiring table of the KSR-1 instrument
3. Wiring diagram of the ESK-1 instrument
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5. Basic diagram of the KSRM-1 instrument

94
97

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AVAILABLE: Library of Congress

Card 5/5

KM/rm/fal
8-10-60

GHIR'YEV, Vladimir Nikolayevich, gvardii polkovnik; KUDRYAVTSEV, H.F.,
polkovnik, redaktor; MIRNYI, A.S., polkovnik, redaktor; SOROKIN, V.V.,
tekhnicheskii redaktor

[Notes of a combat pilot; some problems in flying a single-seat
fighter] Zapiski voennogo letchika; nekotorye voprosy vozhdeniia
odnomestnogo samoleta. Moskva, Voen. izd-vo Ministerstva oborony
Soiuza SSR, 1956. 120 p. (MLRA 10:2)
(Fighter planes--Piloting)

CHIS, Gheorghe; RADU, Stefan

The Cepheid variable S Comae Berenices. Studii astron seismol 4
no.2:393-399 '59. (EEAI 9:9)

1. Observatorul astronomic al Academiei R.P.R., Filiala Cluj. 2.
Comitetul de redactie, Studii si cercetari de astronomie si
seismologie (for Chis)
(Stars) (Cepheids)

CHIS, Gheorghe; TODORAN, Ioan

Observations of the minima of some eclipsing variables. Studii
astron seismol 4 no.2:401-405 '59. (EEAI 9:9)

1. Observatorul astronomic al Academiei R.P.R., Filiala Cluj. 2.
Comitetul de redactie, Studii si cercetari de astronomie si
seismologie (for Chis)
(Stars) (Eclipses)

GHIS, Gh.; TODORAN, I.; BOTEZ, E.

Observations of the minor planets and comets. Studii astron seismol
5 no.2:333-346 '61. (EEAI 10:9)

1. Observatorul astronomic Cluj. 2.Comitetul de redactie, Studii si
cercetari de astronomie si seismologie (for Ghis).

(Planets) (Comets)

CHIS, Gheorghe; URECHE, Vasile

The V Trianguli photometric binary. Studia Univ B-B S.
Math-Phys 7 no.1:107-116 '62.

GHIS, Gh., prof. univ.; PAL, A., conf. univ. (Cluj)

Infinite space and time problem in astronomy. Gaz mat fiz 15
no.9:449-462 S '63.

CHIS, Gheorghe; PAL, Arpad

On the γ Leonis photometric binary instability. Studii
astron 9 no. 1:15-27 '64.

1. Astronomical Observatory, Cluj.

GHS, Gheorghe

Variation of the SZ Hercules photometric binary period. Studia
Univ B-B S. Math-Phys 9 no.1:77-87 '64.

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Visual observations of the earth's artificial satellites carried out at Station 1132 of the Astronomical Observatory of the Babes-Bolyai University, Cluj, during 1962. Studii astron 9 no. 1:113-120 '64.

1. Astronomical Observatory, Cluj.

GHIS, Gheorghe; PAL, Arpad

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TISTULEASA, Florea, tehnician; CHIS, Stefan

Concretes of superior quality. Constr Buc 15 no.723:1 16 N
'63.

CHIS, V.

CHIS, V. Application of Duvanov's method/ p. 1.
Festival of peace and friendship. p. 1.
For correct management of materials for their careful use. p. 2.

Vol. 7 no. 289, July 1955
CONSTRUCTORUL
Bucuresti, Rumania

SO: Eastern European Accession Vol. 5 No. 4 April 1956

GHISALITA, Adrian (Cluj); BAZACOV, Gh. (Turnu Severin); BATINETU, D.M. (Bucuresti);
CASANDROIU, T.; IONESCU-TIU, C.; DEMENY, Zoltan, prof. (Aiud)

Solved problems. Gaz mat B 15 no.1:17-24 Ja '64.

VARODIN, V., ing.; IONESCU, G., ing.; ~~SHISCAN, V., ing.~~; GADPARTIN, M.,
ing.; MARGARITESCU, D., ing.; ~~NEGRESCU, V., ing.~~; GALOENESCU,
C., ing.

Aspects of the reflection seismic prospection in the
Moesian Platform. Petrol si gaze 15 no.10:529-541 0 '64.

CA CHISCHAGOV, P. V.

8

Formation of loess in the middle Dnieper region. R. G. Chapovskii and P. V. Chischagov. Doklady Akad. Nauk S.S.S.R. 36, 813-15 (1947); Chem. Zentr. (Russian Zone Ed.) 1949, 1, 24. --The loess and loess-like minerals of the middle Dnieper region differ in mineralogical compn. from

those of the lower Dnieper region. The latter are distinguished by their high feldspar content. In the fine fractions (< 0.1 mm.) there is a great deal more feldspar than quartz. X-ray examn. of the "raw clay" fraction (< 2 μ) of some loess samples from the lower Dnieper region showed that quartz was still present in the particle range 0.2-2 μ but could no longer be detected in particles smaller than 0.2 μ . This "raw clay" fraction was made up chiefly of montmorillonite and sericite.

M. G. Moore

LIST AND THEORIES PROCESSES AND PROPERTIES

CHISEVSKIY, N.P. 21

ca

Coking of coal with chrome ore to obtain chrome coke for the production of pig iron rich in chrome in blast furnaces. N. P. Chishevskii and D. M. Chernyshev. *Compt. rend. acad. sci. U.R.S.S.* 53, 237-8(1946)(in English). Chrome coke was prepd. by adding 20-25% of porous chrome ore to coal, increasing the moisture content to 7-8%, compacting, and coking at 1000°. The coke obtained was very hard, strong, and silvery, and externally differed very little from a good metallurgical coke. The use of chrome coke in the production of chrome-rich cast iron is suggested. I. R. Campbell

ASA-SLA METALLURGICAL LITERATURE CLASSIFICATION

LIST AND LETTERS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00
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(BLOOD PROTEINS

dysproteinemia in exper. avitaminosis in guinea pigs,
electrophoresis)

(VITAMIN DEFICIENCIES, eff.

on dysproteinemia in guinea pigs, electrophoresis)

PAVEL, I., prof.; GHISIU, N.; CRAUSI, Gh., dr.; MIHALACHE, N., chimist;
VISINESCU, R.

Dysproteinemia in the humoral syndrome of experimental atherosclerosis
in the rabbit: hypergammaglobulinemia. Med. intern., Bucur 13 no.2:
265-280 F '61.

(THYROID GLAND extracts) (GAMMA GLOBULIN)
(ARTERIOSCLEROSIS experimental) (CHOLESTEROL blood)
(LIPIDS blood) (HYALURONIDASE pharmacology)

PAVEL, I.; CHISIU, N.; CAMPEANU, S.

Experimental pellagra in swine. A study on dysproteinemia
in pellagra syndrome. Cesk. gastroent. vyz. 15 no.1:3-17 F '61.

1. Ustav vyzivy, AV Bukuresti, Rumunska lidova republika.
(PELLAGRA experimental) (BLOOD PROTEINS chemistry)

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The effect of pellagra on the development of offspring conceived
after clinical cure. (Experimental study). Stud. cercet. med.
intern. 3 no.5:647-652 '62.

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(GENETICS)

(GROWTH)

(GRAIN)

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Experimental investigations of the anti-atheromatous protective role of some plant oils. Med. intern. 15 no.3:295-302 Mr '63.

1. Lucrare efectuata in Clinica de nutritie si dietetica a Spitalului "Dr. I. Cantacuzino", Bucuresti.
(ARTERIOSCLEROSIS) (HYPERCHOLESTEREMIA) (OILS)
(GRAIN) (MARGARINE) (FATTY ACIDS, ESSENTIAL)

PAVEL, I., prof.; CHISIU, N.

Are some proteins of animal origin arteriosclerogenic? Experimental research with meat and cheese. Med. intern. 15 no.8: 991-1002 Ag '63.

1. Lucrare efectuata in Clinica de nutritie, I.M.F., Bucuresti (director: prof. I. Pavel).

(ARTERIOSCLEROSIS) (DIETARY PROTEINS)
(DIETARY FATS) (MEAT) (CHEESE)

BELIGAN, Gr., dr.; CHISIU, N., dr.

Immunochemical study of the "abnormal" globulin (component M) from some pathological blood sera. I. Relation of the "component M" to the common protein fractions in blood serum. Med. intern. 15 no.4:485-494 Ap '63.

1. Lucrare efectuata in Clinica medicala a Spitalului "Dr. I. Cantacuzino" (director: prof. I. Bruckner) si in Laboratorul experimental al Clinicii de boli de nutritie (director: prof. I. Pavel) Bucuresti.

(SERUM GLOBULIN) (MULTIPLE MYELOMA)
(HODGKIN'S DISEASE) (ANEMIA, HEMOLYTIC)
(BLOOD PROTEIN ELECTROPHORESIS)
(LIPOPROTEINS)

PAVEL, I.; SDROBICI, D.; CHISIU, N.; MIHALACHE, N.; BONAPARTE, H.;
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Research on the mechanism of action of dimethylbiguanide on
glucose metabolism in rats with alloxan diabetes. Stud. cercet.
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1. Membru corespondent al Academiei R.P.R. (for I. Pavel).

PAVEL, I.; CHLSIU, N.; MIHALACHE, N.; VISINESCU, R.

The effect of heat on the anti-atherogenic action of sun-flower
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CHISIU, N.

On the origin of the foam cells of rabbit atheroma and the dependence of hypercholesteremia on their appearance in plaques. Stud. cercet. med. intern. 6 no.1:93-98 '65.

GHISIU, N. St.;

Atheroma of long duration (5 years) in rabbits fed intermittent cholesterol diets. Stud. cercet. med. intern. 6 no. 3: 315-319 '65.

CHISKIS, I. M.

matl
(2)

Chem Ab. v48

1-25-54

Lat. Wash

Detergents

✓ Improvement of technical boiled-soap process by clarification of soap stock with hydrogen peroxide. I. M. Chiskis (Karpov Soap Factory, Leningrad). *Maslobolno-Zhiroraya Prom.* 18, No. 9, 23(1953); cf. C.A. 47, 8393h.—The saponification of soap stock, graining, and H_2O_2 treatment of closed soap in the main kettle used for final processing is recommended. Vladimir N. Krukovskiy

CHISKIS, N.M.

Utilization of fatty tailings for the manufacture of household soap. N. M. Chiskis and V. P. Pavlov. *Moskoleino-Zhivotnye Prom.* 21, No. 7, 34-5 (1955).—Almost 95% of the fats in spent catalyst and bleaching agent were recovered. These were mixed, saponified, and grained independently of the main soap batch. V. N. K.

Zavod imeni Kalpova.

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Functional disorders of the diaphragm in asthenic neurosis. Bul. stiint.,
sect. med. 9 no.1:45-50 1957.

(NEURCIRCULATORY ASTHENIA, pathology
diaphragmatic funct. disord.)

(DIAPHRAGM, diseases
funct. disord. in neurocirc. asthenia)

CHISLEAG, Gh., conf.; MARDARE, D., dr.

Protection of children against the action of ionizing radiations.
Pediatra (Bucur.) 13 no.5:465-473 S-0 '64

1. Lucrare efectuata in Clinica de radiologie, Iasi.

~~CHISLEANU, Gr.~~

~~SURNAME (in caps); Given Names~~

Country: Rumania

Academic Degrees: Engineer

Affiliation: --

Source: Bucharest, Probleme Zootehnice si Veterinare, No 5, 1961,
pp 3-9.

Data: "The Development of Animal Production in the Years of the
People's Democratic Regime."

Co-author:

FODOR, I., Engineer.

CHISLENKO, L.L.

Role of Harpacticoida in the mesobenthos biomass of some algal biotopes
of the White Sea. Zool.shur. 40 no.7:983-996 J1 '61.

(MIRA 14:7)

1. Zoological Institute of the U.S.S.R. Academy of Sciences, Leningrad.
(White Sea—Copepoda) (Benthos).

CHINIKO, L.I.

Existence of a "dimensional gap" in the littoral and sub-littoral fauna. Dokl. AN SSSR 137 no.2:731-734, 1961.

(1961, 24:1)

1. Zoologicheskiy institut AN SSSR. Predstavleno akademikom Me. Pavlovskim.

(Marine fauna)

CHISLENKO, L.I.

Relation of the size of water areas with some characteristics of
brackish-water fauna. Okeanologiya 4 no.3:528-534 '64
(MIRA 1881)

1. Zoologicheskii institut AN SSSR, Leningrad.

CHISLENKO, L.L.

Sex ratio in free-living marine Copepoda. Zool. zhur. 43 no.9:
1400-1402 '64. (MIRA 17:11)

1. Zoologicheskii institut AN SSSR, Leningrad.

CHISLENKO, L. L.

Existence of a relation between fecundity and abundance in marine
Harpacticoida (Crustacea, Copepoda). Dokl. AN SSSR 155 no. 2:
451-453 Mr '64. (MIRA 17:5)

1. Zoologicheskiy institut AN SSSR. Predstavleno akademikom
Ye. N. Pavlovskim.

CHISLENKO, L.L.

Distribution of Harpacticoida (Crustacea, Copepoda) on various
algae of the White Sea. Zool. zhur. 44 no.2:185-191 '65.

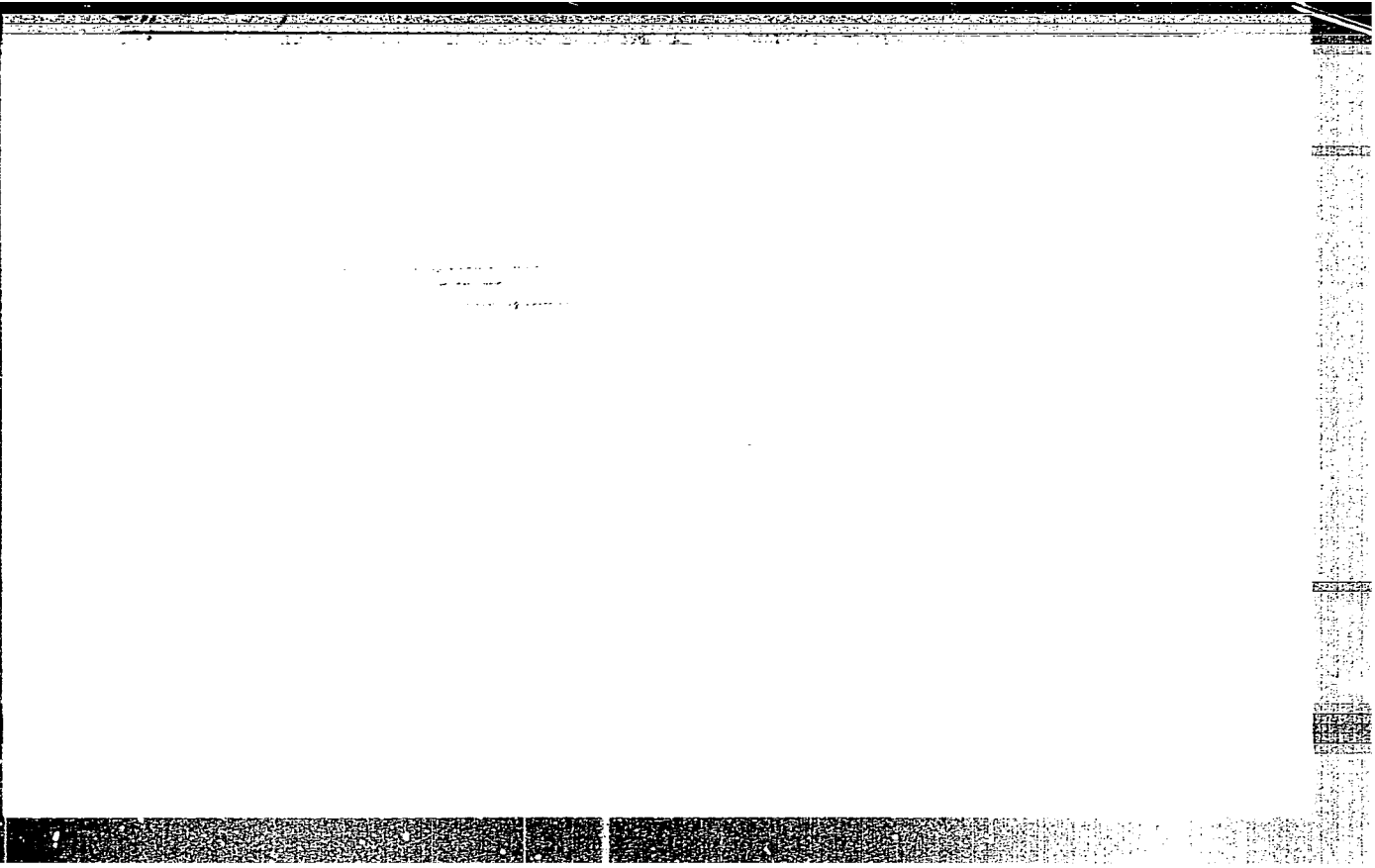
(MIRA 18:5)

1. Zoologicheskiy institut AN SSSR, Leningrad.

CHISLENKO, L.L.

Correlation between body dimensions of females and the number of
eggs in Harpacticoida (Crustacea, Copepoda). Dokl. AN SSSR 161
no.3:724-727 Mr '65. (MIRA 18:4)

1. Zoologicheskii institut AN SSSR. Submitted June 12, 1964.



AUTHORS: Stekhanov, A. I., Chisler, E. V. SOV/54-59-1-25/25

TITLE: The Temperature Dependence of the Raman Lines of the Scattered Light Spectrum of the Quartz Crystal (O temperaturnoy zavisimosti kombinatsionnykh liniy spektra rasseyaniya kristalla kvartsa)

PERIODICAL: Vestnik Leningradskogo universiteta. Seriya fiziki i khimii, 1959, Nr 1, pp 159-160 (USSR)

ABSTRACT: The authors (Refs 1-4) investigated the temperature dependence of the intensity of the Raman lines for various liquids, they could, however, not explain this dependence according to the existing theories (Refs 5-7). In connection therewith investigations were carried out in this paper concerning the temperature dependence of the intensity of the Raman spectrum at the quartz crystal. The investigations were carried out with a photoelectric device and intensive Raman spectra were obtained at 320 and 690°K. The results of measurement are given in a table. They show that the temperature course of the intensity differs in the case of individual Stokes lines, that intensity rises with the temperature, that the dependence which was determined experimentally does, however, not agree quantitatively with the

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SOV/54-59-1-25/25

The Temperature Dependence of the Raman Lines of the Scattered Light Spectrum of the Quartz Crystal

theoretical dependence. The line $\nu = 206 \text{ cm}^{-1}$ shows the greatest deviation. This fact is, however, ascribed to the indistrict extrapolation of the background within the range of the lines $\nu = 128$ and 206 cm^{-1} . In this connection the fact is indicated that in the case of an equal position of the maximum the line expands in general as well with rising temperature so that its integral intensity is considerably increased with temperature. The anomaly which had been detected for liquids was found to exist in the case of the quartz crystal as well. The authors thank Ye. F. Gross, Corresponding Member, AS USSR, for interest displayed in this investigation. There are 1 table and 9 references, 7 of which are Soviet.

Card 2/2

CHISLER, E.V.

Effect of the width of monochromator slits on the accuracy of the
photoelectric measurements of Raman line intensities. Opt. i
spektr. 8 no.3:359-362 Mr '60. (MIRA 14:5)
(Monochromators) (Raman effect)

0087/01/003/011/039/056
0001/B102

AUTHOR: Stekhanov, A. I., and Chisler, E. V.

TITLE: Temperature dependence of the intensity of Raman spectra of crystals

PERIODICAL: Fizika tverdogo tela , 1961, Vol 3 no 11, p. 3514-3518

TEXT: The intensities of Raman lines of quartz, calcite, and fluorite crystals were examined at temperatures from 77 to 670-700°K. A photoelectric device of high light intensity, basing on an ~~ISU-67~~ (ISP-67) spectrograph, was used for recording the Raman spectra. The prism of the spectrograph is rotated synchronously with the drum of an ~~EPV-51~~ (EPPV-51) tape recorder. An ~~ФЭУ-17~~ (FEU-17) photomultiplier which was used as a receiver was cooled down to -90°C with nitrogen vapor. Only pure and transparent crystals were used for the measurements. The specimens were put into a Dewar vessel filled with liquid nitrogen. The influence of liquid nitrogen on the conditions of crystal illumination and the scattering intensity were determined by control tests. At low

Card 1/54

Temperature dependence of the intensity...

S/151/41/003/011/039/056

B104/B102

temperatures, the measuring error was less than $\pm 7\%$. For measurements in the 320-690°K temperature range the specimens were put into a special furnace. The Raman spectrum was activated with a high-intensity Hg low-pressure lamp provided with water-cooled electrodes (50 W). The intensity of the lamp was kept constant by thermal stabilization of the electrodes and by ferroresonance stabilization of the supply voltage. Fig. 1 shows the Raman spectrum of quartz at three different temperatures. As can be seen from Fig. 2, the theoretically calculated increase in the intensity of two lines (206 cm^{-1} and 466 cm^{-1}) in the temperature range of up to 700°K strongly deviates from the experimentally determined value. The intensity of three Raman lines (156 cm^{-1} , 284 cm^{-1} and 1087 cm^{-1}) for calcite was determined at 77°K and 320°K. At 320°K, the Raman lines are considerably broader than at 77°K. Furthermore, it was shown that the increase in intensity of the first Raman line (156 cm^{-1}), as a result of raising the temperature, is far below the values theoretically calculated. The increase in intensity of the second Raman line (284 cm^{-1}) with increasing temperature differs

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Temperature dependence of the intensity... S/181/61/003/011/039/056
B104/B102

only slightly from theoretical calculations. The increase in intensity of the third line agrees fairly well with theory. The first-order Raman spectrum of fluorite has only one line (327 cm^{-1}) This line is broadened considerably by raising the temperature from 77 to 700°K , the intensity increases much more slowly than had been theoretically calculated. Considering these results, the authors conclude that the anomalies in temperature dependence occur when the frequencies belong to outer lattice vibrations. Thus, the line with 1087 cm^{-1} , for instance, corresponds to a fully symmetrical vibration of the CO_3 ion in calcite and agrees fairly well with theory. Furthermore, the authors envisage the possibility that the anomalous temperature dependence be related to lattice distortions. Ya.S. Bobovich and T. P. Tulub (Opt. i spektr., 6, 566, 1959; Opt. i spektr., 2, 747, 1948) are mentioned.

There are 4 figures and 17 references: 12 Soviet and 5 non-Soviet. The two most recent references to English-language publications read as follows: P. K. Narayanaswamy. Proc. Ind. Acad. Sci., sec. A, 28, 417, 1948; O. Theimer. Canad. I. Phys., 34, 312, 1956.

Card 3/54

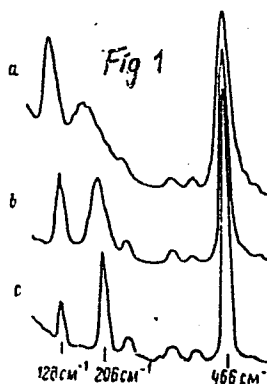
Temperature dependence of the intensity... S/181/61/003/011/039/056
B104/B102

ASSOCIATION: Fiziko-tekhnicheskii institut im. A. F. Ioffe AN SSSR
Leningrad
(Physicotechnical Institute imeni A. F. Ioffe AS USSR,
Leningrad)

SUBMITTED: April 27, 1961 (initially) July 11, 1961 (after revision)

Fig. 1. Raman spectrum of quartz.

Legend: (a) 690°K. (b) 320°K. (c) 77°K.



Card 4/54

35792

S/120/62/000/001/040/061

E192/E382

243400

AUTHOR: Chisler, E.V.

TITLE: A high-power mercury lamp

PERIODICAL: Pribory i tekhnika eksperimenta, no. 1, 1962,
164 - 167 .

TEXT: The lamp is in the form of a four-turn helix of pyrex glass and is furnished with 2 identical mercury-filled electrodes. The overall length of the helix is 180 cm and the diameter of the helix tube is 28 - 30 mm. The large cross-section of the tube makes it possible to achieve a comparatively low electrical resistance of the lamp. The lamp is primarily intended for the investigation of the spectra of the combination scattering where a high resolving power of the spectral instrumentation is required. The constructional details of the lamp are illustrated in Figs. 1 and 2. The lamp is fixed to the brass plate 1 (see Fig. 1) by means of rubber gaskets 6 . It is first degassed, then filled with mercury and then inserted into brass holders 2 and 3 . A glass cylinder 11 is inserted between the flanges 4 . The section 2 is filled

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S/120/62/000/001/040/061
E192/E382 .

A high-power mercury lamp

with distilled water or a solution of KNO_2 , which is cooled by the radiator 10 . The electrodes of the lamp are cooled by the water filling the section 3 . When in operation, the lamp is situated on a special stand, where it can be rotated around the axis of the helix without affecting the investigated samples. The lamp is fed from a three-phase rectifier based on 3 gas-filled tubes (E-163 (VG-163)), which gives a current of 50 A at 200 V. The voltage is stabilized by ferroresonance stabilizers which supply the rectifier. The stabilizers are grouped in three units and have a phase-difference of 120° between them; each unit consists of 4 stabilizers connected in parallel. When triggering the lamp, an AC mains supply of 110 V is connected in series with the rectifier voltage. The auxiliary supply is shunted by a resistance after the ignition of the lamp. In order to reduce the ignition voltage of the lamp, an auxiliary arc is formed between the auxiliary anode (1 in Fig. 2) and the cathode 2 of the lamp; the current of the auxiliary arc is 3 A. The lamp produces the lines of 4047, 4358 and 5561 Å, which can be used for excitation of the

Card 2/4

CHISLER, E.V.

Temperature dependence of the band intensity of hydrogen bonds in
Raman spectra of gypsum and Rochelle salt crystals. Fiz. tver tela
5 no.9:2455-2460 S '63. (MIRA 16:10)

1. Fiziko-tekhnicheskij institut im. A.F.Ioffe AN SSSR, Leningrad.

1. PUBLISHED BY: [illegible] [illegible] [illegible]

ACCESSION NO: AP5003450

8/11/65

AUTHOR: Chisler, E. V.

TITLE: Temperature dependence of the intensity of first-order Raman spectra of crystals

SOURCE: Fizika tverdogo tela, v. 7, no. 1, 1965

TOPIC TAGS: Raman spectrum, temperature dependence

ABSTRACT: In view of the discrepancy between the first-order Raman spectra temperature dependence data obtained by different authors, the author has investigated the effect of the interval of temperature change on the Raman spectra. The results obtained earlier (Vestn. Dzh. ker. fiz. 1964, no. 3, 3914, 1965, pp. 1-16)

Card

1/2

L 25079-65

ACCESSION NR: AP5003450

investigated were barite, celestine, quartz, calcite, salpeter, fluorite, and gypsum. In most cases the experimental results were in good agreement with the theory. Some of the reasons for the discrepancies are briefly discussed. Orig. art. has:

ASSOCIATION: Fiziko-tekhniicheskiy institut im. A. F. Ioffe AN SSSR
(Physicotechnical Institute, AN SSSR)

SUBMITTED: 04/11/64

ENCL: 00

NO REF SOV: 011

OTHER: 005

Card 2/2

L 65246-85 SWT(1)

ACCESSION NR: AP5012592

UR/0181/65/007/005/1586/1588

AUTHOR: Chisler, E. V.

TITLE: Investigation of the phase transitions in selenic acid

SOURCE: Zhurnal teoreticheskoi i eksperimental'noi khimii, 1975, 12(12), 2300-2304

TOPIC TERMS: phase transition; Raman spectrum; lattice vibrations

Temperature T_A (275C and 129C, respectively) is accompanied by an appreciable change in the Raman spectrum above T_A , in the region of the lattice vibrations. In particular, the Q_2 and Q_1 lines, due to translational vibrations

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L 65246-65

ACCESSION NR: AP5012592

the same time, the temperature dependence of the summary intensity of the ν_3 line in the NaNO_2 spectrum can also be interpreted from this point of view. Orig. art. has 2 figures.

The asymmetrical broadening of the ν_3 line in the NaNO_2 spectrum can also be interpreted from this point of view. Orig. art. has 2 figures.

ASSOCIATION: Fiziko-khimicheskiy institut im. A. F. Ioffe AN SSSR (Physicochemical Institute, USSR)

SUBMITTED: 2/19/64

ENCL: 00

SUP CODE

NR REF SOV: 002

OTHER: 003

Card 2/2

L 2511-66 EWT(1)/I/ IJP(c) GG

ACCESSION NR: AP5014600

UR/0181/65/007/006/1881/1883

AUTHOR: Maksimova, T. I.; Stekhanov, A. I.; Chisler, E. V.

TITLE: On the temperature dependence of the intensity of the second-order Raman scattering spectrum of NaCl crystals

SOURCE: Fizika tverdogo tela, v. 7, no. 6, 1965, 1881-1883

TOPIC TAGS: Raman scattering, Raman spectrum, temperature dependence, spectrum analysis

ABSTRACT: Unlike in an earlier investigation (Stekhanov, Fizika shchelochno-galoidnykh kristallov [Physics of Alkali-halide Crystals], Tr. II sovesch. Izd. Latv. gos. univ., Riga 1962), the authors used the 4,358 Å line (instead of 2,537 Å), and recorded the spectrum by a photoelectric method (rather than by photography). This has made it possible to perform quantitative measurements of the spectrum intensity at different temperatures. The light source was a low pressure mercury lamp described elsewhere (PTE no. 1, 164, 1962), and the spectrum was obtained with a DFS-12 double monochromator. The resultant spectrum was continuous, with very complicated intensity distribution, directly adjacent to the exciting

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L 2511-66

ACCESSION NR: AP5014600

3

line and stretching to 580 cm^{-1} . Several maxima of intensity appear against this background. With increasing temperature, the intensity of the spectrum increases rapidly, the increase in the $60 - 200 \text{ cm}^{-1}$ region being greater than in the rest of the spectrum. The results agree well with the theory only in the high frequency part of the spectrum, and for frequencies of 230 cm^{-1} and below the discrepancy between theory and experiment begins to be noticeable. This discrepancy is attributed to first-order Raman scattering caused by defects in the crystal lattice. It is concluded that the spectrum of anomalous Raman scattering extends at least to 230 cm^{-1} , in agreement with the theoretical results by P. P. Pavinskiy (Vestn. LGU no. 22, 51, 1957). Orig. art. has: 2 figures and 1 formula.

ASSOCIATION: Fiziko-tekhnicheskii institut im. A. F. Ioffe AN SSSR, Leningrad
 (Physicotechnical Institute AN SSSR)

44.55

SUBMITTED: 28Jul64

ENCL: 00

SUB CODE: OP, SS

NO REF SOV: 006

OTHER: 000

SC
Card 2/2

ACCESSION NO. A95017000

SR/0181

AUTHOR: Chisler, L. V.

18

D

SECRET - Bureau of the Field, V. S. ...

L 61923-65

ACCESSION NR: AP5013304

(Physico-technical institute, ...)

AB

Card 2/2

L 00029-67
ACC NO AP6034925 SOURCE CODE: GE/0030/00/017/001/0163/0171 31
30

AUTHOR: Chisler, E. V.; Shur, M. S.

ORG: A. F. Ioffe Physico-Technical Institute, Academy of Sciences of the USSR,
Leningrad

TITLE: The Raman spectrum of NaNO_2 in the ferroelectric phase

SOURCE: Physica status solidi, v. 17, no. 1, 1966, 163-171

TOPIC TAGS: Raman spectrum, ferroelectric crystal, sodium nitrite, sodium nitrite single crystal, ferroelectric phase, Coulomb force, short range repulsion force

ABSTRACT: The Raman spectrum of a NaNO_2 single crystal in the ferroelectric phase was obtained and the polarization of the lines investigated. The forms of normal vibrations were considered on the basis of symmetry coordinates and the intensity of lines. Formulae for translational vibrations were derived and numerical calculations performed taking into account short-range repulsive forces between nearest neighbors and long-range Coulomb forces. The authors thank

Card 1/2

I 09929-67

ACC NR: AP6034925

Professor A. I. Gubanov for valuable discussions of the results. Orig. art. has:
7 figures, 3 tables, and 1 formula. [Authors' abstract]

SUB CODE: 20/ SUBM DATE: 01Jul66/ ORIG REF: 006/ OTH REF: 008/

L 38884-66 EWT(1)/EWT(m)/T/EWP(t)/ETI IJP(c) WH/JD/JWD/JG
 ACC NR: AP6018567 SOURCE CODE: UR/0181/66/008/006/1938/1939

AUTHOR: Chisler, E. V.

ORG: Physicotechnical Institute im. A. F. Ioffe, AN SSSR, Leningrad (Fiziko-
 tekhnicheskii institut AN SSSR)

TITLE: The opalescence phenomenon and the spectrum of recombination scattering during
 the KNO_3 -II - KNO_3 -I phase transition

SOURCE: Fizika tverdogo tela, v. 8, no. 6, 1938-1939

TOPIC TAGS: potassium compound, nitrate, Raman scattering, optic transition, recom-
 bination luminescence

ABSTRACT: This is a continuation of earlier work by the author (FTT v. 7, 1586, 1965) where it was reported that a relative increase in the intensity of the 1350 - 1360 cm^{-1} band, accompanied by anomalous broadening, occurs during the II \rightarrow I transition in the Raman scattering of KNO_3 . Further investigations have shown that this band has a doublet structure at 129 - 135C, with intensity maxima near 1360 and 1420 cm^{-1} . The distance between maxima decreases somewhat with further rise in temperature. Above the transition temperature, turbidity developed in the crystal, propagating along the temperature gradient and gradually extending over the entire crystal. In addition to these and other changes in the Raman spectrum, opalescence was observed at 130 - 180C. Photoelectric measurements have shown that the opalescence sets in at 129C and continues to exist at higher temperatures, weakening somewhat with rising

Card 1/2

CHISLOVSKIY, K.I. (Kiyev, ul.Volodarskogo, d.8,kv.7)

Asymmetry in the innervation of the pancreas and its practical significance. Nov. khir. arkh. no.1:24-27 Ja-F '60. (MIRA 15:2)

1. Kafedra klinicheskoy anatomii i operativnoy khirurgii (zav. - doktor med.nauk K.I.Chislovskiy) Kiyevskogo instituta usovershenstvovaniya vrachey.

(PANCREAS... INNERVATION)

POLYAKOV, Georgiy Yevgen'yevich; VOLPYAN, G.A., nauchnyy red.; CHISLOV, M.M., red.; KOZLOVSKAYA, M.D., tekhn. red.

[Construction of electric substations, power plants, and power distribution lines] Ustroistvo elektricheskikh stantsii, podstantsii i linii elektroperedachi. Moskva, Vses.uchebno-pedagog. izd-vo Proftekhizdat, 1961. 342 p. (MIRA 14:12)
(Electric substations) (Electric power plants)
(Electric power distribution)

TRUNKOVSKIY, Lazar' Yemel'yanovich; KHROMCHENKO, G.Ye., nauchnyy red.;
CHISLOV, M.M., red.; TOKER, A.M., tekhn. red.

[Electrician's manual on the use of industrial electric power systems] Elektromonter po ekspluatatsii promyshlennykh elektrostano-
ustanovok. Moskva, Vses. uchebno-pedagog.izd-vo Proftekhizdat, 1961. 226 p. (MIRA 15:2)
(Electric engineering--Handbooks, manuals, etc.)

RASKATOV, Afanasiy Ivanovich, dots.; ZABAVSKIY, A.V., nauchnyy red.;
CHISLOV, M.M., red.; PERSON, M.N., tekhn. red.

[Laboratory work in electrical engineering] Laboratornye raboty
po elektrotekhnike. Moskva, Proftekhizdat, 1962. 326 p.
(MIRA 15:7)

1. Kafedra elektrotekhniki i elektroniki Moskovskogo tekhnologicheskogo instituta myasnoy i molochnoy promyshlennosti (for Raskatov).
(Electric engineering--Handbooks, manuals, etc.)
(Electric laboratories--Handbooks, manuals, etc.)

KAZANSKIY, Vladimir Yevgen'yevich; SAVOST'YANOV, A.I., nauchnyy
red.; GHISLOV, M.M., red.; BARANOVA, N.N., tekhn. red.

[Automation and remote control in electric power systems]
Avtomatizatsiia i telemekhanizatsiia energeticheskikh
sistem. Moskva, Proftekhizdat, 1962. 182 p.
(MIRA 15:10)

(Automatic control) (Remote control)
(Electric power distribution)

BRISKIN, Leonid Yakovlevich; FILIMONOV, P.V., nauchnyy red.; ~~CHISLOV,~~
~~M.M., red.~~; BARANOVA, N.N., tekhn. red.; DORODNOVA, L.A.,
tekhn. red.

[Safety measures for electric work in construction] Elektro-
bezopasnost' na stroitel'stve. Moskva, Proftekhizdat, 1962.
115 p. (MIRA 15:8)

(Electric engineering--Safety measures)

SOKOLOV, Aleksandr Aleksandrovich, kand. tekhn. nauk; GUREVICH, B.M.,
inzh., nauchnyy red.; CHISLOV, M.M., red.; DORODNOVA, L.A.,
tekhn. red.

[Fundamentals of electronics]Osnovy elektroniki. Moskva, Prof-
tekhizdat, 1962. 165 p. (MIRA 16:2)
(Electronics)

VARTANOV, Grayr Leonovich; VERNER, Vadim Vladimirovich; SEREBRYAKOV,
Viktor Mikhaylovich; GUREVICH, B.M., nauchnyy red.; GHISLOV,
M.M., red.; SKITEVA, R.A., red.; NESMYSLOVA, L.M., tekhn. red.

[A manual for electricians and repairmen]Elektromonter-remontnik.
Moskva, Proftekhizdat, 1962. 222 p. (MIRA 16:1)
(Electric motors--Maintenance and repair)
(Electric transformers--Maintenance and repair)
(Electric machinery--Maintenance and repair)

KAZANSKIY, Vladimir Yevgen'evich; SAVOST'YANOV, A.I., nauchn.
red.; CHISLOV, M.M., red.; BARANOVA, N.N., tekhn. red.

[Automatic and remote control in power systems] Avtomati-
zatsia i telemekhanizatsia energeticheskikh sistem. Mo-
skva, Proftekhizdat, 1962. 182 p. (MIRA 16:7)
(Automatic control) (Remote control)
(Electric power distribution)

TRUNKOVSKIY, Lazar' Yemel'yanovich; KHROMCHENKO, G. Ye., nauchn.
red.; CHISLOV, M.M., red.; TOKER, A.M., tekhn. red.

[Electrician of industrial electric power systems] Elek-
tromonter po ekspluatatsii promyshlennykh elektroustanovok.
2. izd. Moskva, Proftekhizdat, 1963. 226 p. (MIRA 16:8)
(Electric engineering--Handbooks, manuals, etc.)

GLAZ, Abram Il'ich; KONTSEVAYA, E.M., red.; CHISLOV, M.M., red.;
PERSON, M.N., tekhn. red.

[Manual for beginning electricians] Spravochnik molodogo
elektrotehnika. 5 dop. izd. Moskva, Proftekhizdat, 1963.
392 p. (MIRA 16:10)
(Electric engineering--Handbooks, manuals, etc.)

KITAYEV, Valentin Yevgen'yevich, kand. tekhn. nauk; SHLYAPINTOKH,
Lev Samoylovich, inzh.-elektrik; KASATKIN, A.S., nauchn.
red.; CHISLOV, M.M., red.; NESMYSLOVA, L.M., tekhn. red.

[Electrical engineering with principles of industrial
electronics] Elektrotehnika s osnovami promyshlennoi elek-
troniki. Moskva, Proftekhizdat, 1963. 411 p. (MIRA 16:10)
(Electric engineering) (Electronics)

CHISLOV, P.A.

Constructing lines of intersection of surfaces of the second order
having a common plane of symmetry. Trudy MBI no.28:46-59 '56.
(Geometry, Analytic) (MIRA 10:6)

CHISLOV, V

SUBJECT: USSR/Trade Schools

27-4-17/15

AUTHOR: Chislov, V., Deputy Director

TITLE: Assistance to the State - and Collective Farms
(Pomoshch sovkhosam i kolkhozam)

PERIODICAL: Professional'no - Tekhnicheskoye Obrazovaniye, April 1957,
4 (143), p 32 (USSR)

ABSTRACT: The short note reports that apprentices of the Gvardeysk Farm Mechanization School Nr. 8, Kaliningrad Oblast', as a training practice installed mechanical devices, built roads, etc., on state and collective farms having thus simultaneously assisted the farms and obtained the required practical experience.

ASSOCIATION:

Card
1/1

PRESENTED BY:

SUBMITTED:

AVAILABLE:

L 1609-66 EWT(m)/EPF(c)/EWP(j)/T/EWP(t)/EWP(b)/EWA(c) RPL JD/WJ/WB/RM

ACCESSION NR: AP5021667

UR/0080/65/038/008/1761/1765
620.193.01

43
40
6

AUTHOR: Chislova, Ye. N.; Putilova, I. N.

TITLE: Effect of acrylonitrile on the kinetics of the solution of steel in hydrochloric and sulfuric acids

SOURCE: Zhurnal prikladnoy khimii, v. 38, no. 8, 1965, 1761-1765

TOPIC TAGS: ^{6,44,55}corrosion inhibitor, acrylic acid, nitrogen compound, steel, hydrochloric acid, sulfuric acid, solution kinetics/2 steel

ABSTRACT: The article examines the relation of acrylonitrile protective action to its concentration in an aggressive medium at constant temperature, and the effect of this inhibitor on the initial period of corrosion. Experiments were carried out on samples of steel 2 with dimensions of 20 x 50 x 2 mm. To obtain isotherms for the protective action of acrylonitrile, the corrosion rate was determined by the weight method and from the amount of iron ions going into solution. Protective action H was calculated by the following formula

$$H = \frac{P_0 - P}{P_0} \cdot 100\%$$

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ACCESSION NR: AP5021667

where ρ_0 is the corrosion rate in the uninhibited acid and ρ is the corrosion rate in the inhibited acid. The experiments were carried out at a temperature of 20 ± 1 C. The corrosion rate during the first 30 min of solution of the steel plates was measured by change in iron ion content of the solution. To eliminate the effect of the natural oxide film on the plates, the plates were previously etched in 1 N hydrochloric acid (1 N sulfuric acid) for 20 min, then washed with 1 N hydrochloric acid (1 N sulfuric acid), and then transferred to the solution to be investigated. It was found that, practically speaking, a constant corrosion rate in the acid solutions was reached after 15-20 min from start of reaction, and only in the presence of a sufficient amount of acrylonitrile (about 1%). With a change in content of acrylonitrile, there is a transition from acceleration of the corrosion process to inhibition of the process with increasing acrylonitrile concentration. It was found that on steel plates previously treated (48 hours) with 1 N hydrochloric acid and inhibited with acrylonitrile, the protective effect (33.2%) is retained after long exposure (24 hours) in pure 1 N hydrochloric acid. The authors believe that the special characteristics of the effect of acrylonitrile on the corrosion of steel in hydrochloric and sulfuric acid solutions cannot be

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L 1609-66

ACCESSION NR: AP5021667

explained by absorption of chemically unchanged acrylonitrile on the surface of the metal. Orig. art. has: 4 figures

ASSOCIATION: Moskovskii tekhnologicheskii institut pishchevoi promyshlennosti
(Moscow Technological Institute of the Food Industry) 44.55

SUBMITTED: 08Oct64

ENCL: 00

SUB CODE: GC, MM

NR REF SOV: 005

OTHER: 007

Card 3/3

PUTILOVA, I.N.; CHISLOVA, Ye.N.

Selecting inhibitors for protecting metals from hydrochloric acid
corrosion. Gaz. delo no.9:21-24 '65. (MIRA 18:9)

1. Moskovskiy tekhnologicheskij institut pishchevoy promyshlennosti.

CHISLOVSKAYA E. V.

EXCERPTA MEDICA Sec 13 Vol 13/2 Dermatology Feb 59

448. CLINICAL ASPECTS OF PSORIASIS IN CHILDREN AND ITS TREATMENT (Russian text) - Chislovskaya E. V. District Dermato-Venereol. Disp., Ivanovo - SBORN. NAUCHNO-PRAKT. VOPR. DERM. I VENER. (Ivanovo) 1957 (88-99)

Thirteen girls and 4 boys aged 5-14 years were kept under observation. In 3 cases the mothers also suffered from psoriasis. Neurological signs (minor attacks of chorea, nightly terrors, insomnia, urinary incontinence, stammering, over-excitability) were observed in 5 cases. The mothers of 6 children suffered from neurasthenia, neuroses, and hysterical psychopathy. In 4 cases the development of psoriasis was preceded by exposure to cold or periods of emotional stress. The skin in all cases was thin and dry and the hair was poorly developed. The disease involved mostly the trunk. Hospital treatment (baths, physiotherapy, UV light, vitamin A, local applications) lasting on an average 35 days was followed by a prolonged remission. In five cases exacerbation occurred after 8-13 months.

Mashkilleison Jr - Moscow (S)

GOTS, V.L.; IL'INSKAYA, V.G.; BAZYAYEV, N.Ye.; CHISLOVSKAYA, I.A.

Spraying paint materials in a high-voltage electric field with a
slit sprayer. Lakokras. mat. i ikh prim. no.5:74-78 '61.
(MIRA 15:3)

(Spray painting)

CHISLOVSKIY, K. I.,

CHISLOVSKIY, K. I. "The asymmetry of the morphological structure and connections of the solar and intermesenteric plexi in man and their practical significance." Min Health USSR. Central Inst for the Advanced Training of Physicians. Moscow 1956.
(Dissertation for the Degree of Doctor in Sciences)
Medical

So: Knizhnaya Letopis', No. 18, 1956

~~CHISLOVSKIY, K.I.~~ (Kiyev, ul. Volodarskogo, d.8, kv.8)

Anatomical basis for total local anesthesia in gastric surgery.
Nov.khir.arkh. no.1:55-60 Ja-F '57. (MLRA 10:6)

1. Kafedra klinicheskoy anatomii i operativnoy khirurgii (sav. -
dets. K.I.Chislovskiy) Kiyevskogo instituta usovershenstvovaniya
vrachey.

(LOCAL ANESTHESIA) (STOMACH--SURGERY)

CHISLOVSKIY, K.I., dots.

Asymmetry of innervation of the ovaries and its practical significance.
Akush. i gin. 34 no.4:61-67 J1-Ag '58 (MIRA 11:9)

1. Iz kafedry klinicheskoy anatomii i operativnoy khirurgii (zav. -
dots. K.I. Chislovskiy) Kiyevskogo instituta usovershenstvovaniya
vrachey.

(OVARIES, innerv.
asymmetry, clin. significance (Rus))

CHISLOVSKIY, K.I. doktor med.nauk

Asymmetry in the innervation of the kidneys and its practical
significance. Vrach.delo no.11:97-100 N '60. (MIRA 13:11)

1. Kafedra klinicheskoy anatomii i operativnoy khirurgii (zav. -
doktor med.nauk K.I.Chislovskiy) Kiyevskogo instituta usovershenstvo-
vaniya vrachey.

(KIDNEYS--INNERVATION)

CHISLOVSKIY, K. I., (Kiyev, ul. Yanvarskaya, d. 36)

Study of the topography of vagus nerve branches for their preservation during gastric surgery. Nov. khir. arkh. no.2:48-50 '62.
(MIRA 15:2)

1. Kafedra klinicheskoy anatomii i operativnoy khirurgii (zav. - doktor med. nauk, prof. K. I. Chislovskiy) Kiyevskogo instituta usovershenstvovaniya vrachey.

(VAGUS NERVE) (STOMACH—SURGERY)

GHISLOVSKIY, K.I., prof.

Asymmetry in liver innervation and its practical significance.
Vrach.delo no.1:75-78 Ja '63. (MIRA 16:2)

1. Kafedra klinicheskoy anatomii i operatsionnoy khirurgii (sav. -
prof. K.I. Ghislowskiy) Kiyevskogo instituta usovershenstvovaniya
vrachey.

(LIVER--INNERVATION)

CHISLOVSKIY, V.K.

Advantages of glucose-natrog blood in massive blood transfusions.
Vrach.delo no.1:45-48 '60. (MIRA 13:6)

1. Kafedra khirurgii (sav. - prof. A.A. Fedorovskiy) pediatriche-
skogo fakul'teta Kiyevskogo meditsinskogo instituta.
(BLOOD--TRANSFUSION) (GLUTARIC ACID)

CHISLOVSKIY, V.K.

Comparative evaluation of different natrog prescriptions for the conservation of blood. Trudy Kiev. nauch.-issl. inst. perel. krovi i nectlozh. khir. 3:52-57 '61. (MIRA 17:10)

1. Kafedra khirurgii pediatricheskogo fakul'teta Kiyevskogo meditsinskogo instituta imeni A.A.Bogomol'tsa.

CHISNER, Martin

Active contribution of a state farm to increase the general production of meat and milk. Munca sindic 6 no.6:32-34 Je '62.

1. Presedinte al comitetului sindicatului Gospodariile Agricole de Stat, Halchiu, regiunea Brasov.

BULAKH, D.I., CHISHNIKOV, K.A.

Diagram for the cutoff of the electric drive of an idling machine
tool. Sudostroenie no.7:60 J1 '60. (MIRA 13:7)
(Cutting machines--Electric driving)

9486. Use of colchicine in combination with novocaine blockade in the prophylaxis of malignant virus papilloma in rabbits. M. M. (Lisova and E. M. Barabadya Pop. Onkol. 1955, 1, 21-26, *Riferun* 27 (Biol), 1956, Abstr. No. 74844.—The detouring action of novocaine combined with the use of colchicine [C] were investigated in the prophylaxis of malignant virus papilloma of rabbits. Papillomata were secured with 1% colchicine ointment (in paraffin oil) which proved to have little effect. Subsequently 1 ml of 0.1% solution of C was injected subcut. twice weekly directly into the base of the papilloma. The treated tumours regressed completely on the first day but owing to the toxicity of the blockade novocaine

M. M.

were not used. The local application of novocaine blockade of the prophylaxis of malignant virus papilloma in rabbits. M. M. (Lisova and E. M. Barabadya Pop. Onkol. 1955, 1, 21-26, *Riferun* 27 (Biol), 1956, Abstr. No. 74844.—The detouring action of novocaine combined with the use of colchicine [C] were investigated in the prophylaxis of malignant virus papilloma of rabbits. Papillomata were secured with 1% colchicine ointment (in paraffin oil) which proved to have little effect. Subsequently 1 ml of 0.1% solution of C was injected subcut. twice weekly directly into the base of the papilloma. The treated tumours regressed completely on the first day but owing to the toxicity of the blockade novocaine

L 01490-66 EWT(d)/EWT(m)/EWP(w) EM

ACCESSION NR: AR5019373

UR/0124/65/000/007/V007/V007

SOURCE: Ref. zh. Mekhanika, Abs. 7V41

23
B

AUTHOR: Smolovik, I.I.; Chispiyakov, M.N.

TITLE: A plane problem of the elasticity theory in permutations for a finite circular sector and an infinite sector with a vertex sheared along a circular arc

CITED SOURCE: Dokl. 3-y Sibirsk. konferentsii po matem. i mekhan., 1964. Tomsk, Tomskiy un-t, 1964, 341-343

TOPIC TAGS: elasticity theory, elastic deformation, Lamé equation, wedge body

TRANSLATION: The authors discuss the plane deformation of a circular sector with elastic permutations assigned at its boundary. Employing solutions to Lamé equations in series and integrals, the authors reduce the problem to fully regular and infinite algebraic systems. It is pointed out that a solution for the case of an infinite wedge with a vertex sheared along a circular arc can be obtained in the same manner. Ya. S. Uflyand

SUB CODE: AS, MA

ENCL: 00

Cord 1/1 SP

CHISTICHENKO, I.A.

Late results of treating rheumatic fever and the role of tonsillectomy
in the prevention of rheumatic fever. Vrach.delo no.10:132-133 0 '60.
(MIRA 13:11)

1. Gorlovskaya bol'nitsa No.2.
(RHEUMATIC FEVER)
(TONSILS--SURGERY)

CHISTICENKO, I.A.

Prevention of progressive development of rheumatic processes.
Terap.arkh. 33 no.1:46-48 '61. (MIRA 14:3)

1. Iz Gorlovskoy gorodskoy bol'nitsy No.2.
(RHEUMATIC FEVER)

CHISTICHENKO, I.A.

Work of a discussion group of nurses. Med. sestra 20 no.11:52-53
N '61. (MIRA 15:2)

1. Iz Gorodskoy bol'nitsy No.2, g. Gorlovka.
(NURSES AND NURSING)

CHISTIK. A. A.

Chistik, A. A. - "The problem of cultivating perennial grasses and grass mixtures in the field of Kurak 'blast," Sbornik rabot Kuraskoy obl, kompleks. s.-kh: opyt. stantsii, Kurak, 1949, p. 52-69

SO: U-14034, 29 Oct 53, (Letopis 'Zhurnal 'nykh Statey, No. 16, 1949).