KVEK, I., mekhanik.

Reconditioning rubber parts of brake systems. Avt. transp. 36 no.3: 29 Mr '58. (MIRA 11:3)
(Automobiles--Brakes--Repairing)

05218
SOV/142-2-3-26/27

9(3,9), 24(1)

AUTHOR: Sokolova, Ye.S., Candidate of Technical Sciences

TITLE: A Scientific Conference on the Application of Ultrasound in the Investigation of Matter

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Radiotekhnika, 1959, Vol 2, Nr 3, p 388 (USSR)

ABSTRACT: From February 10-14, 1959, the Seventh Scientific Conference on the Application of Ultrasound for the Investigation of Matter was convened in Moscow at the Moskovskiy Oblast'noy pedagogicheskiy institut, imeni N.K. Krupskoy (Moscow Oblast Pedagogical Institute, imeni N.K. Krupskaya). About 500 vuz instructors from Moscow, Leningrad, Krasnoyarsk, Kaunas, Stalingrad, and scientists from the German Democratic Republic and Poland participated in the conference work. More than 80 papers were read at the conference. The following sections were organized at this conference: molecular acoustics, industrial application of ultrasound research methods, propagation of ultrasound in solid bodies, demonstration of acoustical phenomena in schools and vuzes. At the first plenary session, the paper of V.F. Nozdrev was read "Physical Principles of Tech-

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nological Application of Low-Amplitude Molecular Acoustics". B.B. Kudryavtsev read his paper "The Application of Ultrasound in Industry". The following papers were read at the plenary session: A.S. Predvoditelev "The Sound Wave Dispersion in Rarefied Gases"; Dr. Rothard, German Democratic Republic, "Ultrasonic Investigation of Silica Gel and Its Derivatives"; M. Kre?, Poland, "The Application of the Molecular Kinematic Theory of Gases to the Problem of Waves with a Limited Amplitude"; L.S. A?mlaz, "The Theory of Roschell-type Salts", and a paper of Professor F. Kucher, Poland. Research in the field of ultrasound wave propagation in liquids was the subject of the papers of B.B. Kudryavtsev, S.A. Dalyan, L.G. Belinskaya, O.A. Skarostina, V.M. Zakurenova, V.D. Kaspar'yants, M.G. Shirkevich, L.F. Vereshch gina, N.L. Bryukhatova, and M.A. Golosova. The paper jointly produced by B.B. Kudryavtsev, V.F. Nozdrev, N.I. Koshkin and V.F. Yakovlev was devoted to the consideration of problems in the development of molecular acoustics. Dr. Rothard delivered a report on the dynamic equation of the state of strongly viscous liquids. The ultrasonic oscillations were subject of the reports of Ya.M. Dystrov, A.N. Trofimov, A.I.

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Ryazanov, L.B. Piroshnikov, L.F. Lependin, F.L. Lokshin, I.L. Cherchenko and others. The report of L.A. Ol'shanskiy, A.V. Mordvintseva and others dealt with the application of ultrasound in welding. In the sections of acoustic research methods, the papers of the following authors were read: D.I. Kal'yanov, V.F. Yakovlev, A.D. Zipir and V. Kovaleva. These reports dealt with pulse measuring methods of velocity and absorption of ultrasound. The propagation of ultrasound in solid bodies was the subject of the reports of L.G. Merkulov, V.S. Cherkashin, L.A. Yakovlev, A.I. Drokin, A.K. Matveyev and others. In the section dealing with acoustical demonstration at schools and vuzes, the following reports were delivered: M.A. Grabovskiy and V.F. Topolev, "Experimental Demonstration of Ultrasound"; S.L. Mel'nikov, "The Experimental Demonstration of Sound"; S.N. Prokof'yev, "An Acoustic Radiometer for Demonstration Purposes". The annual conference convened at MOPI showed the rising interest in problems of applying ultrasound to the investigation of matter. The number of participants and the number of subjects is rising steadily.

Card 3/3

SUBMITTED: April 13, 1959

USSR/Microbiology - Antibiosis and Symbiosis. Antibiotics. F-2

Abs Jour : Ref Zhur - Biol., No 10, 1958, 43205

Author : Grundlyand, I., Kvek, S., Kshivitskaya, G.
Inst : -
Title : Interrelationship Between the Density of the Uncombined Active Groups in the Bacterial Substance and Mycobacterium Tuberculosis Resistance to Antibiotics. An Outline of Electrokinetic Properties.

Orig Pub : Byul. Polskoy AN, 1956, Otd. 2, 4, No 12, 439-442

Abstract : According to the hypothesis of Biley and Cavallito (Biley, Cavallito, J. Bacteriol., 1950, 60, 269), the ability of bacteria to bind streptomycin depends on the presence of acid groups in the cytoplasm of the microbial cell. Resistance of mycobacteria to antibiotics is considered as being due to a decrease in the number of carboxyl groups in their composition. Measuring the electrophoretic mobility of microbial cells makes possible determination of

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USSR/Microbiology - Antibiosis and Symbiosis. Antibiotics.

Abs Jour : Ref Zhur - Biol., No 10, 1958, 43205

their electrokinetic potential and calculation of the density of the load per unit of cell surface; from this the number of acid groups in the cells can be established. Measurements made by the authors substantiated the correctness of the Biley and Cavallito hypothesis.

Card 2/2

KVEKVESKIRI, T.D., otv. za vypusk; GOBECHIYA, G.V., otv. za vypusk; GORDE-ZIANI, S.A., tekhn. red.

[Forty years of the achievements of Soviet Abkhazia in figures] Dostizheniia Sovetskoi Abkhazii za 40 let v tsifrakh. Tbilisi, Gosstatizdat, 1961. 206 p. (MIRA 14:8)

1. Abkhazian A.S.S.R. Statisticheskoye upravleniye.
(Abkhazia—Statistics)

KVELADZE, G.M. (Tbilisi)

Designation of the school subject and methodological journal dealing with biology. Est.v shkole no.6:92-93 N-D '54. (MLRA 7:12)
(Natural history--Study and teaching) (Biology--Study and teaching) (Biology--Periodicals)

KVELADZE, K.V.

Studying the performance of the SPR machine by means of high-speed motion-picture photography. Kozh.-obuv.prom. 5 no.2: 18-21 F '63. (MIRA 16:5)
(Shoe machinery--Testing) (Motion pictures in industry)

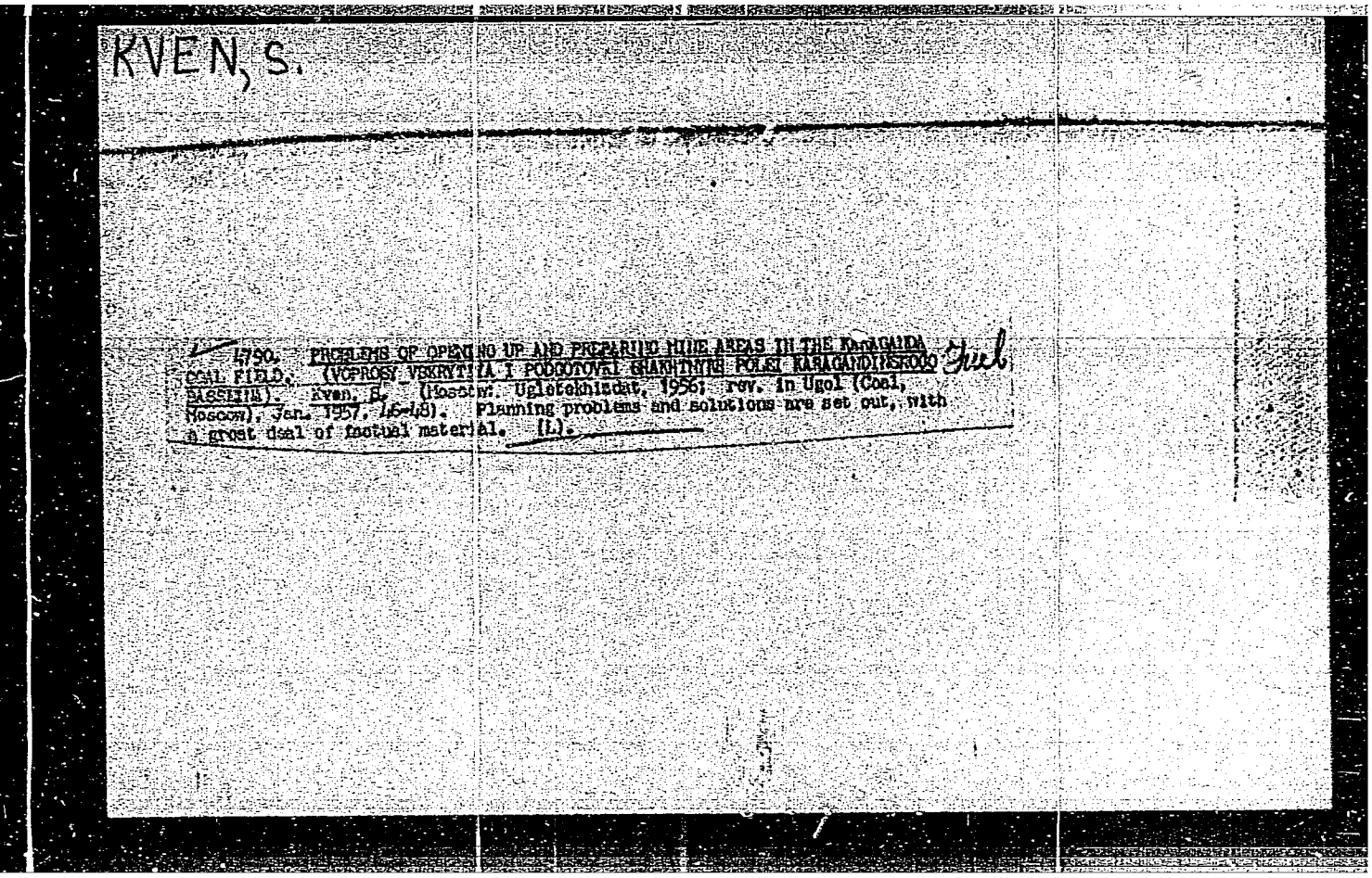
KVELADZE, Karlo Vladimirovic

Automatic control of thread feeding in sole stitching machines. Kozarstvi 13 no.2:48-50 F '63.

1. Asistent katedry teorie mechanismu a stroju, gruzinska Leninova Vysoka skola technicka, Tbilisi.

STRATU, S.I.; KVELEROV, A.M.; GREKOV, S., red.

[Towards a communist abundance] Pentru un belshug komunist; din eksperientsa de munke a kolkhozului "Michurin", s. Trushen', Anenii-Noi. Kishineu, Editura de partid a komitetului chentral Al PK AL Moldovei, 1964. 86 p. [In Moldavian] (MIRA 18:11)



KVEN, S.

1790. PROBLEMS OF OPENING UP AND PREPARING MINE AREAS IN THE KARAGANDA COAL FIELD. (VOPROSY VSKRYTIYA I PODGOTOVKI SHAKHTNYKH POLEY KARAGANDINSKOGO BASSEYNA). Kven, S. (Moscow, Ugletekhizdat, 1956; rev. in Ugol (Coal, Moscow), Jan. 1957, 46-48). Planning problems and solutions are set out, with a great deal of factual material. [L].

BALLYUZEK, F.V., doktor med. nauk; SKORIK, V.I., kand. med. nauk; GORNACHEVSKIY, A.M.; KVENITSKIY, G.R.

Technical equipment for regional perfusion of the extremities. Ortop. travm. i protez. 26 no.6:7-12 Je '65. (MIRA 18:8)

1. Iz khirurgicheskoy kliniki usovershenstvovaniya vrachey No.1 (nachal'nik - prof. A.P. Kolesov) Voyenno-meditsinskoy ordena Lenina akademii imeni Kirova i Spetsial'nogo konstruktorskogo byuro ob"yedineniya "Krasnogvardeyets" (nachal'nik - I.Ya. Gurevich). Adres avtorov: Leningrad F-13 Fontanka, d.106, Khirurgicheskaya klinika usovershenstvovaniya vrachey No.1 Voyenno-meditsinskoy akademii imeni Kirova.

44140

S/181/62/004/010/027/063
B108/B104

24.7000

AUTHORS: Kventsel', G. F., and Pekar, S. I.

TITLE: Consideration of the surface excitons in the theory of electromagnetic waves in crystals

PERIODICAL: Fizika tverdogo tela, v. 4, no. 10, 1962, 2818-2828

TEXT: To gain insight into the role of surface excitons in crystal optics, the authors calculated the polarization current arising in a crystal under the action of the electric field of a light wave. The Maxwell equations are solved for that part of the polarization current which is due to surface excitons in a bounded crystal:

$$\operatorname{rot}\operatorname{rot}\mathbf{f}-\frac{\omega^2}{c^2}\hat{\varepsilon}\mathbf{f}=\frac{4\pi i\omega}{c^2}\mathbf{J}_{\text{экз.}} \qquad (11),$$

$$\mathbf{f}=\sum_{\mathbf{q}}\mathbf{E}_{\mathbf{q}}e^{i(\mathbf{q}_{\parallel}\mathbf{r}+q_z z)}+\sum_{n}\mathbf{E}_{n}^{\prime}e^{i(\mathbf{q}_{\parallel}\mathbf{r}+q_{nz}^{\prime}z)}; \qquad (12),$$

$$[\mathbf{q}_{\parallel}[\mathbf{q}_{\parallel},\mathbf{E}_{\parallel}]]+\frac{\omega^2}{c^2}\varepsilon(\omega,\mathbf{q}_{\parallel})\mathbf{E}_{\parallel}=B^{(\omega)}\left\{\sum_{\mathbf{q}}\frac{\mathbf{E}_{\mathbf{q}\perp}}{q_{qz}-q_{nz}^{*}}+\sum_{n_1}\frac{\mathbf{E}_{n_1\perp}}{q_{n_1z}-q_{nz}^{*}}\right\}. \qquad (17)$$

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B108/B104

Consideration of the surface...

$$\mathbf{E}_{v\perp} = \mathbf{E}_v - \frac{\mathbf{q}_v}{q_v^2}(\mathbf{q}_v, \mathbf{E}_v);\ \mathbf{E}_{n\perp} = \mathbf{E}_n - \frac{\mathbf{q}_n}{q_n^2}(\mathbf{q}_n, \mathbf{E}_n), \qquad (18),$$

$$B_{xy}^{(n)} = \frac{4\pi i}{c^2} S\left[\frac{1}{\hbar\omega - \delta_n} - \frac{1}{\hbar\omega + \delta_n}\right](\mathbf{I}_{0n}(0))_x (\mathbf{I}_{n0}(0))_y, \qquad (19).$$

$\vec{J}_{\text{поз}}$ is that part of the polarization current associated with virtual transitions into surface exciton states. $\vec{q}$ is the quasimomentum, S is the area of the region in which the wave functions of the surface excitons are orthonormal. $\vec{I}_{0n}(\vec{r}) = \langle \psi^0 | \hat{I} | \psi_n \rangle$, $\hat{I}(\vec{r})$ is the operator of the polarization current density. Thus, in a non-absorbing crystal appear undamped waves and waves damped in the volume of the crystal and associated with the surface excitons. The Fresnel formulas are extended to the boundary between the crystal and the vacuum. They can appear in a considerably different form when a surface exciton exists. In a non-absorbing isotropic medium, for instance, the reflected and transmitted waves are elliptically polarized. There is 1 figure.

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S/181/62/004/010/027/063
Consideration of the surface... B108/B104

ASSOCIATION: Kiyevskiy gosudarstvennyy universitet im. T. G. Shevchenko
(Kiyev State University imeni T. G. Shevchenko)

SUBMITTED: May 28, 1962

Card 3/3

ACCESSION NR: AP4019843 S/0181/64/006/003/0811/0817

AUTHORS: Kventsel', G. F.; Pekar, S. I.

TITLE: Energy of surface excitons at very small crystal momentum

SOURCE: Fizika tverdogo tela, v. 6, no. 3, 1964, 811-817

TOPIC TAGS: surface condition, dielectric crystal, cubic crystal, surface exciton, crystal lattice structure, crystal lattice distortion

ABSTRACT: The authors have considered a semi-infinite crystal, the surface of which corresponds to a crystal face that includes two of the crystallographic axes. A surface exciton is defined as any excited state of a dielectric crystal for which the two-dimensional crystal momentum is a single continuous quantum number (the remaining quantum numbers are discrete). The authors have determined the surface energy for the two-dimensional crystal momentum for this surface exciton. The results were obtained for a very general case without use of models. The wave lenght of the exciton and its effective depth of penetration into the crystal are assumed to be much greater than the lattice constants or the depth of near-surface distortion of the lattice structure. Detailed examination is made of dipolar allowed excitons in cubic crystals and of nondegenerate excitons in any crystal.

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ACCESSION NR: AP4019843

The authors show that, in contrast to body excitons, surface excitons exhibit no energy break at the point where crystal momentum is zero. Orig. art. has: 34 formulas.

ASSOCIATION: Institut poluprovodnikov AN UkrSSR, Kiyev (Institute of Semiconductors AN UkrSSR)

SUBMITTED: 20Sep63 DATE ACQ: 31Mar64 ENCL: 00

SUB CODE: SS, EC NO REF SOV: 005 OTHER: 000

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L 8701-65 EWT(1)/EWG(k)/T Pz-6 IJP(c)/RAEM(t)/ESD(t)/AS(mp)-2/ESD(gs)/ASD(a)-5
AT
ACCESSION NR: AP4044971 S/0181/64/006/009/2865/2867

AUTHOR: Kventsel', G. F.

TITLE: Surface exciton states in crystals having different symmetries

SOURCE: Fizika tverdogo tela, v. 6, no. 9, 1964, 2865-2867

TOPIC TAGS: crystal symmetry, exciton, surface state, wave function, volume exciton, surface exciton

ABSTRACT: The existence of surface exciton states was first demonstrated by S. I. Pekar (ZhETF v. 33, 1022, 1957) for a crystal having a simple lattice with symmetry not lower than rhombic. The author has shown in conjunction with Pekar (FTT v. 6, 811, 1964) that in crystals with another lattice structure, the attenuation parameter of the wave function can be complex and can depend on the projection of the quasimomentum on the boundary plane xy. In the present article it is shown that the dependence of the exciton energy E on the surface

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projections of the quasimomentum (k_x and k_y) is different for volume and surface excitons (they coincide for crystals with a simple cubic lattice). The method used is that originally employed by Pekar. It is shown that the wave-function attenuation parameter is real in a crystal with a body centered lattice and with a face centered cubic lattice, but is complex for the case of close hexagonal packing, so that the wave function of the surface exciton not only attenuates but also oscillates on moving inside the crystal. The rate of attenuation and the period of the oscillations depend on the surface components of the wave vector. "I thank Academician of AN UkrSSR S. I. Pekar for calling my attention to the existence of the effects considered here." Orig. art. has: 14 formulas.

ASSOCIATION: Institut khimii polimerov i monomerov AN UkrSSR, Kiev' (Institute of Chemistry of Polymers and Monomers, AN UkrSSR)

SUBMITTED: 23Apr64 ENCL: 00
SUB CODE: SS NR REF SOV: 002 OTHER: 000

KVENTSEL', G.F.; PEKAR, S.I.

Surface exciton energy at extremely small quasi-momenta. Fiz. tver. tela 6 no.3:811-817 Mr '64. (MIRA 17:4)

1. Institut poluprovodnikov AN UkrSSR, Kiyev.

KVENTSEL', G.F.

Surface exciton states in crystals of different symmetry.
Fiz. tver. tela 6 no.9:2865-2867 S '64.
(MIRA 17:11)

1. Institut khimii polimerov i monomerov AN UkrSSR, Kiyev.

L 41593-66 EWT(1)/T IJP(c) WW/GG

ACC NR: AP6018545 SOURCE CODE: UR/0181/66/008/006/1819/1822

AUTHOR: Kventsel', G. F.

ORG: Institute of Chemistry of High-Molecular Compounds, AN UkrSSR, Kiev (Institut khimii vysokomolekulyarnykh soyedineniy AN UkrSSR)

TITLE: Two-exciton absorption of light

SOURCE: Fizika tverdogo tela, v. 8, no. 6, 1966. 1819-1822

TOPIC TAGS: exciton absorption, absorption line, molecular crystal, light excitation

ABSTRACT: The author estimates the probability of collective light absorption by the molecules of a molecular crystal under conditions when the interaction between molecules may be quite large, owing to the short distances between them. This absorption is of second order in the time-dependent perturbation theory and is realizable only in intense laser beams. Particular attention is paid to the case when the transition to one of the exciton states from the ground state is forbidden. It is shown that even if all the exciton scattering mechanisms are neglected, the absorption line in such a case broadens into a band, and an expression is obtained for the frequency dependence of the intensity of this absorption. The integral intensity of the absorption is found to be governed essentially by the energy of the resonant dipole-dipole interaction between neighboring molecules, since the ratio of the integral intensity to the intensity of the usual single-electron absorption is proportional to the square of the energy of the resonant interaction of the neighboring molecules. It is in-

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ACC NR: AP6018545

dicated in conclusion that such a two-exciton absorption can be observed experimentally also as a unique frequency-division effect, since the excitons produced as a result of the transition are de-excited independently of each other, with frequencies whose sum is equal to the frequency of the incident light. Orig. art. has: 9 formulas.

SUB CODE: 20/ SUBM DATE: 10Nov65/ ORIG REF: 003/ OTH REF: 004

Card 2/2

TATARINTSEV, N.M.; VISYARINA, V.P.; KVEKEL', R.M.

Clinical considerations on Omsk hemorrhagic fever in children. Pediatriia, Moskva no. 6:49-53 Nov-Dec 1952. (CLML 23:5)

1. Of the Faculty Therapeutic Clinic (Head -- Prof. R. M. Akhrem-Akhremovich) and the Clinic for Children's Diseases of Omsk Medical Institute imeni M. I. Kalinin (Head -- Prof. O. D. Sokolova-Ponomareva, Corresponding Member of the Academy of Medical Sciences USSR).

DZHAOSHVILI, V.; KVERENCHKHILADZE, R.

Aleksandr Nikolaevich Dzhavakhishvili, 1875- ; his 90th birthday.
Izv. Vses. geog. ob-va 97 no.6:551-553 N-D '65.
(MIRA 19:1)

KVERENCHKHILADZE, R.I.

Transportation geography of South Ossetia. Trudy Geog. ob-va Gruz. SSR 7:239-246 '63.

Zakharii Gulisashvili's information on the geography of eastern Georgia. Ibid.:247-250 (MIRA 18:5)

KVERENCHKHILADZE, R.I.

Transportation and the intraregional relations of Racha-Lechkhumi. Trudy Inst. geog. AN Gruz. SSR 15:175-187 '61.
(MIRA 16:11)

KVERENCHKHILADZE, R.I.

Geographical distribution of the population in South Ossetia. Soob. AN Gruz. SSR 28 no.2:181-186 F '62. (MIRA 15:3)

1. AN GruzSSR, Institut geografii imeni Vakhushti, Tbilisi. Predstavleno akademikom A.N.Dzhavakhishvili.
(Ossetia, South--Population)

Pipia, I. K. and KVERENCHKHILADZE, V. K.

Dverenchkhiladze, V. K. "Surgical treatment of gunshot wounds of the peripheral nerves," (Report), Trudy III Zakavkazsk. s"yezda khirurgov, Yerevan, 1948 (on cover: 1949), p. 518-524

SO: U-5240, 17 Dec 53, (Letopis 'Zhurnal 'nykh Statey, No. 25, 1949).

KVERENCHKHILADZE, V.K., prof.

Surgery for the Georgian people under the Soviets. Khirurgiia 33 no.11:10-13 N '57. (MIRA 11:2)
(SURGERY
in Russia (Rus))

KVERENCHKHILADZE, V. K. (Tbilisi, ul. Sheroziya, d. 8, kv. 1)

Case of surgical treatment of a recurrent angioma of the lung. Grud. khir. 4 no.3:93-94 My-Je '62. (MIRA 15:7)

1. Iz gospital'noy khirurgicheskoy kliniki pediatricheskogo i sanitarno-gigiyenicheskogo fakul'tetov Tbilisskogo meditsinskogo instituta.

(LUNGS--TUMORS) (ANGIOMA)

30(1)
14(2)

SOV/99-59-4-1/10

AUTHORS: Kvernadze, G.I., and Filimonov, M.S., Engineers

TITLE: Experience in Irrigation by Sprinkling in the Stalingrad Oblast' (Opyt orosheniya dozhdevaniyem v Stalingradskoy oblasti)

PERIODICAL: Gidrotekhnika i melioratsiya, 1959, Nr 4, pp 3-11 (USSR)

ABSTRACT: The article deals with the experience in irrigation gained by sprinkling an area of 600.1 hectares of vegetable lands belonging to the Kolkhoz "Sovetskaya Rossiya", Sovkhoz "Surovikinskiy", and Sovkhoz "Volga-Don" (all in the Stalingrad oblast') in 1958. The sprinkling was carried out by 9 sprinklers of the DDA-100M-type designed by the Vsesoyuznyy nauchno-issledovatel'skiy institut gidrotekhniki i melioratsii imeni A.N. Kostyukova (All-Union Scientific Research Institute of Hydraulic Engineering and Melioration imeni A.N. Kostyukov) and manufactured by a Stalingrad plant. Their water consumption is 100 liters per

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Experience in Irrigation by Sprinkling in the Stalingrad Oblast'

second. The sprinklers were subject to tests by the Stalingradskaya opytno-meliorativnaya stantsiya (Stalingrad Testing Melioration Station) and the VNIIGiM. The water for sprinkling was supplied by the "64 kilometra VDSK" and "Varvarovskaya" irrigation systems (total irrigation area - 8,120 hectares), fed by the Volgo-Donskoy sudokhodnyy kanal imeni V.I. Lenina (Volga-Don Shipping Canal imeni V.I. Lenin). To make the operation of sprinklers possible, the irrigation systems of the collective farms had to undergo reconstruction, with the Volgo-Donskoy opornyy punkt meliorativnoy stantsii (Volga-Don Base of the Melioration Station) doing the organizational work. The digging of temporary irrigational canals to feed the sprinklers with water was carried out by KPU-2000A-type trench diggers and graders drawn by S-80-type tractors. The canals

Experience in Irrigation by Sprinkling in the Stalingrad Oblast'

varied from 0.50 to 0.80 m in depth and from 1.8 to 3.2 m in width. The sprinklers' capacity, at a sprinkling rate of 270 m^3/hectare, came to an average of 9.5-10.0 hectares in a 11.0 to 11.5-hr long period; at a sprinkling rate of 450 m^3/hectare, only 5.7 to 6.0 hectares were irrigated. The combined sprinkling and fertilizing of potatoes at the fertilizing rate of $N_{17}P_{25}K_{11}$ per hectare resulted in a crop increase from 147 to 188 centners of potatoes per hectare or 28%. There are 7 tables, 3 photos, and 2 diagrams.

ASSOCIATIONS: 1.) Stalingradskaya opytno-meliorativnaya stantsiya
2.) Volgo-Donskoy opornyy punkt meliorativnoy stantsii
1.) Stalingrad Testing Melioration Station (Kvernadze)
2.) Volga-Don Control Point of the Melioration Station (Filimonov)

1. KVERZERELI-KOPADZE, A. N. and CHACHANIDZE, M. O.

2. USSR (600)

4. Akhaltsikhe District - Gypsum

7. Report on the survey of the TShaltbilskiy deposits of gypsum and gaize in 1946. /Abstract/ Izv. Glav. upr. geol.fon. No. 3, 1947.

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

HERVET, Vl., inz.; KVESEK, Mil., inz.; KVAS, Jul., inz.; SVOBODA, Fr., inz.; VIZEK, K., inz.

Pile foundation of the steel structure of halls of a machine metallurgy plant in India. Inz stavby 13 no.3:98-107 Mr '65.

KVESELAVA, D. A.

K printsipu lindelof'a tbilisi, soobshch, gr. fil. AN, 1 (1940), 713-719.
O konformnom otobrazhenii smezhnykh oblastey. Tbilisi, soobshch. AN Gr SSR, 5 (1944), 468-472.
Singulyarnyye integral'nyye uravneniya s razryvnymi koeffitsiyentami. Tbilisi, Trudy Matem. in-ta. AN GRSSR, 13 (1944), 19-28.

SO: Mathematics in the USSR, 1917-1947
edited by Kurosh, A. G.
Markushevich, A. I.,
Rashevskiy, P. K.
Moscow-Leningrad, 1948

Kveselava, D. A.

Kveselava, D. The Riemann-Hilbert problem for multiply connected regions. Bull. Acad. Sci. Georgian SSR [Soobščenia Akad. Nauk Gruzinskoĭ SSR] 6, 581-590 (1945). (Georgian. Russian summary)

The problem is to find a function $f(z)=u(x)+iv(x)$, holomorphic in the region S and continuous in the closed region $S+L$, under the boundary condition $a(t)u(t)-b(t)v(t)=c(t)$ on L, where $a(t)$, $b(t)$, $c(t)$ are given real functions satisfying a Hölder condition on L and $a(t)^2+b(t)^2\neq 0$. The region S is bounded by simple closed nonintersecting curves $L_0, L_1, \cdots, L_n$, of which the first encloses the others; $L=L_0+\cdots+L_n$. The curve L_0 may be absent and then S is infinite. Necessary and sufficient conditions are given for the solubility of the problem. With the help of these conditions the author investigates singular integral equations with kernels of Cauchy type, by means of which the boundary problem can be solved. [From the author's summary.]

KVESELAVA, D.A.

PA 21T62

USSR/Mathematics - Functions, Complex Variable
Mathematics - Boundary Problem Sep 1946

"The Solution of a Boundary Problem in the Theory of Functions," D.A.Kveselava, Institute of Mathematics, Academy of Sciences of the Georgian SSR, 4 pp

"Comptes Rendus (Doklady)" Vol LIII, No 8

Mathematical discussion of criteria allowing a unique solution to complex functions at infinity satisfying the Holder condition.

21T62

KVESELAVA, D.A.

Kveselava, D. A. Solution d'un problème limite de T. Carleman. C. R. (Doklady) Acad. Sci. URSS (N.S.) 55, 679–682 (1947).

Let L be a simple closed curve in the complex z-plane, with the angle γ inclination of the tangent belonging to H (Hölder class); S^+ is the interior, S^- is the exterior, of L ($z=0$ in S^+); let $\alpha(t)\neq t$ (on L) and let $\alpha(t)$ realize a one-to-one representation of L on itself, so that t and $\alpha(t)$ describe L in opposite directions; $\varphi(z)$, analytic in S^+ (except at a finite number of poles) and admitting a continuous extension in $S^+ + L$, is termed meromorphic in S^+. The author considers the problem of finding a $\varphi(z)$, meromorphic in S^+, so that (1) $\varphi^+[\alpha(t)]=G(t)\varphi^+(t)+g(t)$ (on L), where G, g are H on L and $G\neq 0$ on L. The homogeneous problem (1), with (2) $\alpha[\alpha(t)]=t$, has been studied by T. Carleman [Verh. Int. Math. Kongr., Zürich, 1932, v. 1, pp. 138–151]. Assuming (2) and using a different method, the author gives an explicit solution of the nonhomogeneous problem (1).

W. J. Trjitzinsky (Urbana, Ill.).

Source: Mathematical Reviews, 1948, Vol 9, No. 2

KVESELAVA, D. A.

Kveselava, D. A. Some boundary problems of the theory of functions. Akad. Nauk Gruzin. SSR. Trudy Tbiliss. Mat. Inst. Razmadze 16, 39–80 (1948). (Russian. Georgian summary)

The author uses largely the notation and terminology of N. I. Mushelišvili [Singular integral equations . . .' Moscow-Leningrad, 1946; these Rev. 8, 586]. One of the problems considered is that of finding a piecewise analytic function $\Phi(z)$, such that (1) $\Phi^+[\alpha(t)]=G(t)\Phi^-(t)+g(t)$ on L, $G(t)\neq 0$ on L, where $G(t)$, $g(t)$ are of class H on L; here $\alpha(t)$ transforms L one-to-one into itself, t and $\alpha(t)$ describing L in the same direction. First the author solves explicitly the problem $[(1), G(t)=1]$; this involves contour integrals with the Cauchy kernel. Next he solves the homogeneous problem $[(1), g(t)=0]$; this involves use of the canonic function corresponding to $G(t)$ and of the notion of index H. These results lead to the explicit formulas expressing every piecewise analytic solution of the non-homogeneous problem (1); the formulas involve an arbitrary constant, two arbitrary rational functions, the canonic function and a solution of a singular integral equation. When the index is negative, the problem can be solved if and only if g is orthogonal on C' to the g_k $(k=0, \cdots, -H-1)$, where the $g_k(t)$ constitute a certain set of linearly independent functions. Also examined is the case when t and $\alpha(t)$ describe L in opposite directions, the whole equation (1) is replaced by

$$\Phi^+[\alpha(t)]=G(t)\Phi^-(t)+g(t). \tag{2}$$

In this connection the sign of the index is important; for lack of space we cannot give detailed statements of the results. Also solved is the problem (generalizing a problem of Carleman) of finding $\Phi(z)$, meromorphic in S^+ such that (3) $\Phi^+[\alpha(t)]=G(t)\Phi^+(t)+g(t)$ on L, with G and g in H, $G\neq 0$ on L, t, $\alpha(t)$ describing L in opposite directions, while $\alpha[\alpha(t)]=t$. This problem is solved explicitly along the lines used in solving (1), (2). Every solution of (3) is of the form

$$\Phi(z)=C+R(z)+\frac{1}{2\pi i}\int_L \frac{\phi(\tau)d\tau}{\tau-z},$$

where C is a constant, $R(z)$ is an arbitrary principal part of $\Phi(z)$ and $\phi(t)$ is a solution of a certain quasi-regular Fredholm equation. The general solution is further studied with great completeness and detail with the aid of the canonic function and the index. *W. J. Trjitzinsky* (Urbana, Ill.).

Kveselava, D. A.

Kveselava, D. A. Hilbert's boundary problem and singular integral equations in the case of intersecting contours. Akad. Nauk Gruzin. SSR. Trudy Tbiliss. Mat. Inst. Razmadze 17, 1–27 (1949). (Russian. Georgian summary)

The author considers the singular integral equation

$$(T) \qquad a(t)\varphi(t)+\frac{1}{\pi i}\int_L \frac{K(t,\tau)\varphi(\tau)}{\tau-t}\,d\tau = f(t),$$

when L consists of a finite number of closed and open piecewise smooth arcs having a finite number of common points; the hypotheses on the functions are in the nature of Hölder conditions. As noted by the author, the first study of this problem was made by the reviewer [Trans. Amer. Math. Soc. 60, 167–214 (1946); these Rev. 8, 211] who transferred to the case of arcs with common points some of the results of N. I. Muskhelišvili [same Trudy 10, 1–43, 161–162 (1941); these Rev. 4, 160]. The author develops further the theory of the problem (T) and of the related Hilbert problem (when the arcs of L have common points), on making use of a joint paper with Muskhelišvili [ibid. 11, 141–172 (1942); these Rev. 5, 269]; these developments involve the notion of index, classes of solutions, canonic solutions, and some theorems of Noether type.

W. J. Trjitzinsky.

Source: Mathematical Reviews, Vol 15 No. 2

KVESELEVA, D. A.

KVESELEVA, D. A. -- "Certain Boundary Problems in the Theory of Functions and Singular Integral Equations." Sub 11 Dec 52, Mathematics Inst imeni V. A. Steklov, Acad Sci USSR. (Dissertation for the Degree of Doctor Physicomathematical Sciences).

SO: Vechernaya Moskva January-December 1952

KVESELAVA, D.A.

Use of integral equations in the theory of conformal mappings. Trudy Vych.tsentra AN Gruz.SSR 2:3-15 '62. (MIRA 16:1)
(Integral equations) (Conformal mapping)

ALEKSIDZE, M.A.; KVESELAVA, D.A., red.; BALAVADZE, B.K., red.

[Reduction of the force of gravity] Reduktsiia sily tiazhesti. Tbilisi, Metsniereba, 1965. 253 p.
(MIRA 18:7)

GOGUADZE, V.P.; IVANOV, T.N.; VITUL'SKAYA, N.V.; NATROSHVILI, D.R.; KVLSELAVA, V.M.

Permanganate number, fusibility, and refractive index of the system ε-caprolactam - cyclohexanoxime. Soob. AN Gruz. SSR 38 no.2:303-308 My '65. (MIRA 18:9)

1. Institut prikladnoy khimii i elektrokhimii AN GruzSSR, Tbilisi. Submitted June 15, 1964.

GOGUADZE, V.P.; IVANOV, T.N.; VITUL'SKAYA, N.V.; KVESELAVA, V.M.; NATROSHVILI, D.R.; PANKVELASHVILI, A.G.

Solubility of hydroxylamine sulfate in cyclohexanone ar the seperation of the cyclohexanone oxime complex syste Soob. AN Gruz. SSR 37 no.3:567-572 Mr '65. (MIRA 18:5)

1. Institut prikladnoy khimii i elektrokhimii AN GruzSSR, Tbilisi. Submitted June 15, 1964.

KVESIC, Slavko

Commercial policy with respect to the circulation of petroleum products in Croatia. Nafta Jug 12 no.11/12:335-338 N-D '61.

1. Poslovno udruzenje "Nafta," Zagreb.

KVESITADZE, I. F.

KVESITADZE, I. F. (Candidate of Veterinary Sciences, Deputy Commissar of Agriculture for Animal Husbandry, Georgian SSR).
Bacteriophage -- an effective agent in paratyphoid and colibacillosis of calves.

Source: Veterinariya; 22; 6; June 1945 uncl
TABCON

KVESITADZE, I. F., Doctor of V. S.

Doctor of Veterinary Sciences, Deputy Minister of Agriculture, Georgian SSR.
"Phagotherapy and phagoprophylaxis in coliparatyphous diseases of calves"
SO: BACTERIOPHAGIA IN VETERINARY PRACTICE, Proceedings of the Veterinary Section of the Academy, P. 28, Moscow, 1947. Trans. 191, by L. Lulich, Uncl.

KVESITADZE, I. F.

Kvesitadze, I. F. "Phagotherapy and phagoprophylaxis of paratyphoid and colibacillosis in calves," Trudy Gruz. nauch.-issled. vet. opyt. stantsii, Vol.X, 1948, p. 3-20, (resume in Georgian)

Georgian

SO: U-4934, 29 Oct 53, (Letopis 'Zhurnal 'nykh Statey, No. 16, 1949).

KVESITADZE, I. F.

Infektsionnyye bolezni molodnyaka sel'skokhozyaystvennykh zhivotnykh (Contagious Diseases of the Young of Farm Animals). Tbilisi, Gosizdat Georgian SSR. 1950. 192 pages. (Ministry of Agriculture Georgian SSR).

U-5235

KVESITADZE, I.[F.]

KVESITADZE, I: Utilization of bacteriophage against paratyphoid and colibacillosis of calves. Tbilisi. State Publishing House, Georgian SSR. 1952. 132 pages. Price 2 rubles, 50 kopeks. 2,000 copies. In Georgian.

SO: Veterinariya; 30; (1); January 1953; Uncl. TABCON

KVESITADZE, I.P., professor, doktor veterinarnykh nauk.

Bacteriophage against paratyphoid fever and colibacillosis in calves.
Veterinariia 33 no.9:32-34 S '56. (MLRA 9:10)

1.Gruzinskiy zootekhnicheskо-veterinarnyy institut.
(Paratyphoid fever--Preventive inoculation) (Bacteriophage) (Calves--diseases)

KVESITADZE, I.F.; MIKHAYLOVA, I.F.

Determining the time of antibody formation in the blood with various methods of phage administration. Zhur.mikrobiol. epid. i immun. 28 no.1:99-104 Ja '57. (MLRA 10:3)

1. Iz Gruzinskogo zoobeterinarnogo instituta.
(BACTERIOPHAGE, effects,
on antibody form., role of mode of admin. (Rus))
(ANTIBODIES,
form. after bacteriophage admin., role of mode of admin. (Rus))

KVET, J.

8280. UNIT POWER STATION OF THE ČKD FOR 1500 kW. 621.311.22

J. Květ and V. Hrdlinský.

Elektrotech. Obzor, Vol. 45, No. 12, 579-83 (1956). In Czech.

The unit power station built by the Czechoslovak Kolben-Daněk Works, fitted for temporary or permanent service, is described. It consists of two steam boilers, a turbine-generator with condenser, an electrical distribution centre, a feedwater supply, and a Diesel engine for starting purposes. The 1500 kW output unit is operated with steam of 12 kg/cm^2 pressure at 375°C. The equipment consists of subunits, none of which weighs more than 15 metric tons; each subunit can be loaded onto a flatcar. The combustion equipment for coal is interchangeable with similar equipment burning wood, oil, or gas. High voltage switchgear is provided to connect the 1200 kVA, 6.3 kV, 50 c/s generator to two transmission lines. A 250 kVA, 6 kV–380 V transformer provides the station supply. The unit can operate over a temperature range of −40°C to +50°C, and does not require any extensive foundations or buildings. E. Erdélyi.

KVET, J.

CKD packaged power plants.

P. 36. (CZECHOSLOVAK HEAVY INDUSTRY) (Prague, Czechoslovakia) Vol. 7, no. 11, 1957

SO: Monthly Index of East European Accession (EEAI) LC Vol. 7, No. 5, May 1958

KVET, K.

"For higher standards in the development of our electric machinery with alternating current."
Elektrotechnicky Obzor, Praha, Vol 42, No 11, Nov 1953, p. 605

SO: Eastern European Accessions List, Vol 3, No 10, Oct 1954, Lib. of Congress

KVET, K.

"Concluding our first Five-Year Plan."
Elektrotechnik, Praha, Vol 9, No 1, Jan 1954, p. 1

SO: Eastern European Accessions List, Vol 3, No 10, Oct 1954, Lib. of Congress

KVET, K.

Kvet, K. Results and aims. p. 137. ELEKTROTECHNIK, Praha. Vol. 10, no. 5, May.1955.

SO: Monthly List of the East European Accession, (EEAL), LC. Vol. 4, no. 10, Oct. 1955. Uncl.

KVET, K.

State-wide congresses of industrial workers. p. 561

ELEKTROTECHNICKY OBZOR no. 11, Nov. 1955 Vol. 44

Czechoslovakia

Source: EAST EUROPEAN LISTS Vol. 5, no. 7 July 1956

KVET, K.

Ten years' work. p. 219.
(ELEKTROTECHNICKY OBZOR, vol. 44, no. 5, May, 1955, Praha)

SO: Monthly List of East European Accession,(EEAL) LC, Vol. 4, No. 11, Nov. 1955, Uncl.

KVET, K.

KVET, K. Contemporary condition and development of electric power and electric machinery production in India. Tr. from the Czech. p.22.

Vol. 7, no. 5, May 1956 ELEKTROENERGILA Sofiia, Bulgaria

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 10 Oct. 1956

Kvet, K.

Main trends in technical development of high-voltage electrical engineering in the second Five-Year Plan. p. 209. ELEKTRO-TECHNIK. (Ministerstvo strojirenstvi) Praha. Vol. 11, no. 7, July, 1956.

Source: EEAL LC Vol. 5, No. 10 Oct. 1956

Kvet, K.

Contemporary state and development of production in the power industry and electrical engineering in India. p. 113. ELEKTROTECHNICKY OBZOR. (Ministerstvo strojirenstvi a Ministerstvo paliv a energetiky) Praha. Vol. 45, no. 3, Mar. 1956

Source: EEAL LC Vol. 5, No. 10 Oct. 1956

Kvet, K.

Role of electrical engineering in the technical developmentof our industry. p. 219. ELEDTROTECHNICKY OBZOR. (Ministerstvo strojirenstvi a Ministerstvo paliv a energetiky) Praha. Vol.45, no. 5, May 1956.

Source: EEAL LC Vol. 5, No. 10 Oct. 1956

KVET, K.

KVET, K. Electrotechnology at the Second Exhibition of the Czechoslovak Machine Industry in Brno. p. 433

Vol. 45, no. 9, Sept. 1956
ELEKTROTECHNICKY OBZOR
TECHNOLOGY
Praha, Czechoslovak

So: East European Accession, Vol. 6, No. 2, Feb. 1957

KVET, Karel, inz.

Organization of electrical engineers in the German Democratic Republic. Nova technika 2 no.6:189-190 Je '57.

1. Predseda Vedecko-technicke spolecnosti pro elektrotechniku.

AUTHOR KVET, KAREL, Ing., President of the Czechoslovakian Scientific -Technical Society of Electrical Engineers. 105-6-15/26

TITLE The Electrotechnical Industry of Czechoslovakia. (Elektrotekhnicheskaya promyshlennost' Chekhoslovakii - Russian)

PERIODICAL Elektrichestvo, 1957, Nr 6, pp 52 - 58 (U.S.S.R.)

ABSTRACT First a short historical survey of the development and the present research centers in the CSR is given. The main part of the article deals with the enumeration of the present attainments in the field of electrotechnical production. The greatest hydrogenerator of the Stalingrad ChKD has the following technical data- power-6o MVA, voltage 1o,5 kV..5%.23o/577 rot./min.,standing wave. It is planned for a blade-system hydro turbine. The axial pressure on the pivot bearing is 88o t.- There are projects for air-cooled turbogenerators having a power of from 2,5 to 7o MVA, 3ooo rot./min. In 1953 the first turbogeneratro with hydrogen cooling and with a power of 62,5 MVA, 11,ooo V, 3ooo rot./min. was completed. Induction motors of the enclosed type are produced up to 5,ooo kW. Since 195o all induction motors of from 0,6 to loo kW have been produced in one single series. In this way 14% of the copper was saved. The largest direct-current motor has a diameter of armature of 4,ooo mm and a power of 3,8oo kW, 54,4 rot./min., 6oo V. The largest transformer has apower of loo MVA, 22o/11o/1o,5 kV. It is remarkable that with this transformer a swith at the imput of the 22o-kV windings was mounted for the first time in Europe. The existing metallic vacuum-rectifiers are made uniform. Semiconductor-rectifiers are introdu-

Card 1/2

The Electrotechnical Industry of CZechoslovakia. 105-6-15/26

ced. A survey of the production of automatic air-blast switches, transformers, apparatus for high-voltage, valve dischargers, protective relais, transductors, welding units, electric furnaces, cables and insulated wires brines of high heat resistance and electrotechnical porcelain is then given. Another survey is given of the institutes which deal with the projecting of electrotechnical plants as well as of tram rail-cars and Diesel-electric locomotives.
(5 illustrations).

ASSOCIATION Not Given.
PRESENTED BY
SUBMITTED 7.1.1957
AVAILABEL Library of Congress.
Card 2/2

KVET, K.

Introductory report at the conference on heat-resisting electric insulators in Smolenice. p. 3

(Strojnoelectrotechnicky Casopis. Vol. 8, no. 1, 1957. Bratislava, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

KVET, K.

A review of the achievements of our electrical engineering at the 3rd Exhibition of the Machinery Industry in Brno.

P. 451 (Elecktrotechnicky Orzor) Vol. 46, No. 9, Sept. 1957, Czechoslovakia

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC. - VOL. 7, NO. 1, JAN. 1958

KVET, K.

An anniversary of tje Czech Technical University. p. 167.

(Elektrotechnicky Obzor. Vol. 46, no. 4, Apr. 1957. Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

KVET, K.

"The years 1948-1958 in electrical engineering.

p. 57 (Elektrotechnicky Obzor. Vol. 47, no. 2, Feb. 1958, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC,Vol. 7, No. 6, June 1958

KVET, K.; BATKA, V.

Deserved distinction of electrical engineers. p. 283.

ELEKTROTECHNICKY OBZOR. (Ministerstvo tezkeho strojirenstvi a Ceskoslovenske vedecka technicka spolecnost pro elektrotechniku pri Ceskoslovenske akademii ved) Praha, Czechoslovakia
Vol. 48, no. 6, June 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, no. 11, Nov. 1959
Uncl.

KVET, Karel, inz.

Goals and results of Czechoslovak literature on electrical engineering. Elektrotechnik 18 no.3:61-62 Mr '63.

KVET, Karel, inz.

Action programs of the electric industry. Elektrotechnik 18 no.9:245 -246 S'63.

KVET, Karel, inz.

May Day celebration in the light of science and technology development. El tech obzor 52 no.5:221-222 My '63.

KVET, Karel, inz. (Prague)

Elektrotechnik entering its 20th year. Elektrotechnik 20 no.1:1-3 Ja '65.

KVĚT, Milan

Resistance welding of window frames on the Electromechanique and Schlatter machines. Zvaranie 14 no.1:19-21 Ja '65.

1. Stavokonstrukce, Uhrineves.

KVET, Radan

Hydrogeochemistry of the Vlachy-1 key borehole. Prace Ust naft 20: 58-66 '63.

KVET, R.

Notes on the discussion concerning the nomenclature of organic compounds.

P. 511. (Chemicke Zvesti: Vol. 11, no. 8, Aug. 1957 Bratislava, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2, February 1958

KVET, Radar

Detailed surface hydrogeochemical survey of the wider surroundings of Nova Vieska. Prace Ust naft 22 no.99:119-124 '64.

KVET, R.; MIKHALICHEK, M. [Michalicek, M.]

Hydrogeochemical surface survey in the Carpathian Flysch in Czechoslovakia. Prace ust naft 18:44-46 '61.

DOSTALEK, M.; KVET,R.

Utilization of the osmotolerance of sulphate-reducing bacteria in study of the genesis of subterranean waters. Folia microbiol. (Praha) 9 no.2:103-114 Mr'64

1. Department of Technical Microbiology, Institute of Microbiology, Czechoslovak Academy of Sciences, Prague, and Czechoslovak Oil Wells Corporation, Research Institute, Brno..

*

KVET, Radan

Surface hydrochemical survey in the Danube Valley. Prace Ust naft 21 nos.93/98:195-217 '64.

KVĚT, Radan, inž.; DOSTÁLEK, Milan, RNDr.

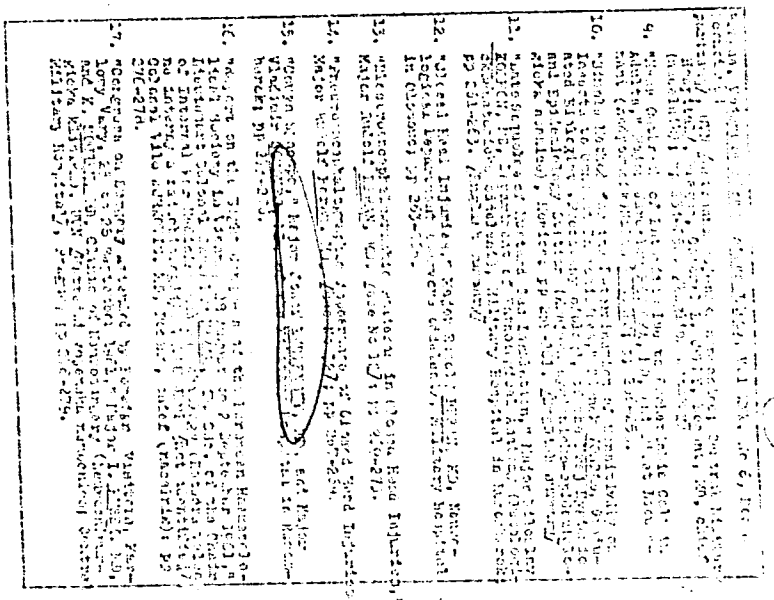
Geomicrobiology in the geological and hydrogeological survey. Geol pruzkum 6 no.10:314 O '64.

1. Ceskoslovenske doly National Enterprise, Hodonin, Research Institute, Brno; Microbiologic Institute of the Czechoslovak Academy of Sciences, Prague.

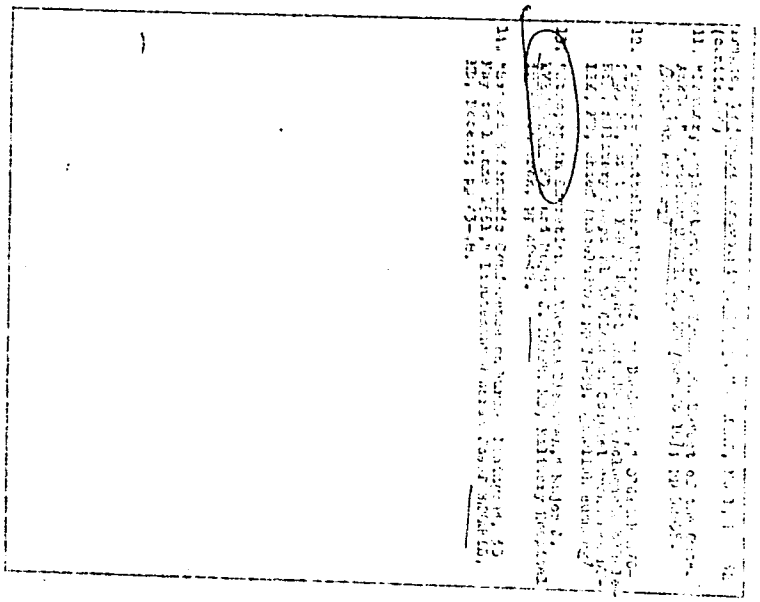
BEREZHIANI, V.M.; SIORIDZE, G.Ya.; [illegible]ARATASHVILI, I.B.; KVE[illegible]ENADZE, Sh.M.

Results of industrial experiments for the production of nitrided manganese. Trudy Inst met. AN Gruz. SSR 13:169-179 '62. (MIRA 17:9)

KVETENSKY, J.



KVETENSKY, J



KVETENSKY, JOSEF

30

— 2/3 —

KORHON, M.; KVETENSKY, J.

Fibrosis of the parietal endocardium. Cas.lek.cesk 101 no.3:81-84 19 Ja '62.

1. Patologickoanatomicke oddeleni Vojenske nemocnice v Ruzomberku, prednosta MUDr. M. Korhon. Interni oddeleni Vojenske nemocnice v Ruzomberku, prednosta MUDr. R. Kubernat.

(ENDOCARDIUM dis)

ZAORALEK, A.; KVETENSKY, J.

Experiences with our modification of Menghini's needle in needle biopsy of the liver. Cesk. gastroent. vyz. 19 no.5: 322-323 Jl '65.

1. Laboratorni oddeleni (vedouci MUDr. A. Zaoralek) a interni oddeleni (vedouci MUDr. J. Kvetensky) vojenske nemocnice v Ruzomberku.

1/1

CZECHOSLOVAKIA

KVETENSKY, J.; Internal Department, Slovak National Uprising Military Hospital (Vnitrni Oddeleni Vojenske Nemocnice NSP), Ruzomberok, Head (Vedouci) Dr J. KVETENSKY.

"Preliminary Report on Treatment of Diabetes with the Plant Cardamine Opizii Presl."

Prague, Casopis Lekaru Ceskych, Vol 106, No 6, 10 Feb 67, pp 163 - 165

Abstract: The plant is dried and given to the patients to chew. Report on experiments with the plant conducted on rabbits, and on 10 healthy subjects is submitted. The plant was administered to 35 diabetics; no unfavorable side effects were observed. Improvement in the condition of the patients varied from one individual to another. 2 Tables, 12 Western, 6 Czech, 1 Polish reference.

1/1

L 34649-66 T JK

ACC NR: AP6026248 SOURCE CODE: CZ/0060/66/000/001/0024/0026

AUTHOR: Bartonek, J. (Major; Doctor of medicine); Kvetensky, Jozef (Lieutenant colonel; Doctor of medicine)

ORG: Internal Department, Military Hospital, SNP, Ruzomberok (Vnutorne oddelenie Vojenskej nemocnice SNP)

TITLE: Mass occurrence of rheumatic fever following an infection by beta-hemolytic streptococcus A at a military unit

SOURCE: Vojenske zdravotnicke listy, no. 1, 1966, 24-26

TOPIC TAGS: military medicine, bacterial disease, tissue disease, respiratory system disease, bacteria, penicillin, drug effect, disease control, epidemiology, disease incidence

ABSTRACT: The importance of investigating catarrhal infections of respiratory passages in the prevention of rheumatic fever is described. A case concerning 73 soldiers who were affected by such a catarrhal invection is discussed; 12 became sick with rheumatic fever. The streptococcus causing the infection was sensitive to penicillin. It appears that the focus of the infection was in the kitchen of the unit. Preventive measures that should be applied are discussed. Orig. art. has: 1 figure. [JPRS: 35,348]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 011 / SOV REF: 002
OTH REF: 001

Card 1/1

UDC: 356.33:616-002.771-022.71.214

0976 1797

CZECHOSLOVAKIA UDC: 612.766.1:612.014.4.9

KVETENSKY, Josef, LtCol, MD; KLUST, Vaclav, LtCol, MD; ZAORALEK, Alois, LtCol, MD; VLCEK, Lubos, MD; HLAUCO, Stanislav, Maj, MD; RUBES, Vaclav

"Effects of a 100-Kilometer Nonstop March on the Human Organism."

Prague, Vojenske Zdravotnicke Listy, Vol 35, No 5, Oct 66, pp 194-197

Abstract [Czech, Russian and English summaries, modified]: A brief preliminary evaluation of some changes in the organisms of persons after a 100-km nonstop march. Although in most cases the changes were insignificant, such a march is fatiguing; only physically fit persons should be allowed to participate; check-ups and medical supervision during the march should be mandatory. A tabulated statistical evaluation is presented of the before-and-after dynamometric measurements, vital capacity, blood pressure and pulse rate. Seven Soviet-bloc refs.

1/1

Internal Medicine

CZECHOSLOVAKIA UDC 616.153.915.01-021.3-056.76

KVETENSKY, J.; ZAORALEK, A.; Internal Department Military Hospital of the Slovak Nat. Insurrection (Int. Odd. Voj. Nemocnice Slovenskeho Narod. Povstania), Ruzomberok, Head (Veduci) Dr J. KVETENSKY; Laboratory Dept. Military Hospital of the Slovak Nat. Insurrection (Laboratorni Odd. Voj. Nemocnice Slovenskeho Narod. Povstania), Head (Veduci) Dr A. ZAORALEK.

"Idiopathic Familial Hyperlipemia."

Prague, Casopis Lekaru Ceskych, Vol 105, No 38, 16 Sep 66, pp 1017 - 1022

Abstract [Authors' English summary modified]: Idiopathic familial hyperlipemia is a condition which is very rarely diagnosed. It is a general metabolic disorder, which is probably inborn. If it is diagnosed early enough, and treated immediately, the patient can be spared great suffering. The authors describe a family whose members suffer from the disease. In two brothers the complete syndrome was present. The etiology, differential diagnosis, laboratory examinations, and treatment of the disease are discussed. 6 Figures, 1 Table, 21 Western, 28 Czech references. (Manuscript received Jul 65).

KVETENSKY, M.

Significance of coiling and braking forces in strip-steel rolling. p. 50

HUTNIK. (Ministerstvo energetiky a Svaz rudnych dolu) Praha, Czechoslovakia
Vol. 9, No. 2, Feb. 1959

Monthly List of East European Accessions (EEAI), LV, Vol. 8, No. 7, July 1959
Uncl.

L 47086-66 EWP(e)/EWP(t)/ETI/EWP(k) IJP(c) JD/HW/JG
ACC NR: AP6019416 (A) SOURCE CODE: CZ/0078/66/000/005/0003/0003

AUTHOR: Kvetensky, Miroslav (Engineer; Ostrava); Foldyna, Vaclav (Engineer; Ostrava); Bernasek, Jaroslav (Engineer; Ostrava); Cerveny, Josef (Candidate of sciences; Ostrava)

ORG: none

48
B

TITLE: Improved method of manufacturing quality-steel tubes from ingots. CZ Pat. No. PV 2229-64, Class 7

SOURCE: Vynalezy, no. 5, 1966, 3

TOPIC TAGS: alloy steel, steel tube, annealing, pickling, tube manufacture

ABSTRACT: A method had been introduced for manufacturing tubes and hollow bodies from hard-to-form, refractory, heat-containing and corrosion-resistant alloy steels, chromium, nickel, manganese, and other additives such as molybdenum, vanadium, tungsten, titanium, niobium, boron, silicon, aluminum, cobalt, nitrogen, and copper, and which are prepared as ingots, roll products, forgings, centrifugal castings, or crude castings drilled through the longitudinal axis. The method uses a two-or three-stage process in which the semiproduct undergoes gradual pressing or piercing operations which result in reducing its diameter by 70—95%. Between the

Card 1/2

L 47096-66

ACC NR: AP6019416

forming operations, the billet is cooled and then by annealed at 800-850C and again slowly cooled; it can also be cooled at a controlled rate in the furnace. The surface of the hollow (inner cavity) has to be pickled and machined before each pressing. Afterwards, it is either rolled on a pilger mill and normalized at 900-1150C, or annealed at 680-800C, and its surface is then finished by pickling, pickling and blasting, or pickling and leaching.

[KP]

SUB CODE: 13, 11/ SUBM DATE: 17Apr64/

Card 2/2 mt

JENICEK, L.; ZIDEK, inz.; PUNCOCHAR, inz.; KVETENSKY, M., inz.

Information on metallurgy. Hut listy 16 no.9:681-684 S '61.

L 3755-66 EWA(d)/EWP(t)/EWP(z)/EWP(b) JD

ACCESSION NR: AP5027819 CZ/0057/65/000/001/0035/0040

AUTHOR: Foldyna, V. (Engineer, Candidate of sciences); Kvetensky, M. (Engineer); Prnka, T. (Engineer)

TITLE: Heat resisting steels for manufacture of piping for steam turbines and boilers using high pressure and temperature steam

SOURCE: Hutnik, no. 1, 1965, 35 - 40

TOPIC TAGS: heat resistant steel, pipe, steam boiler, steam turbine, chromium steel

ABSTRACT: Ferritic-perlitic steels can be used only up to 580°C; 12% Cr steels can be used up to 620°C. Tables giving limiting factors in the use of these two kinds of steels are presented. Modified 12% Cr steels are reviewed; influence of the addition of Mo is evaluated. Technology of manufacturing steam piping of various diameters is described. Methods of welding high-duty steam piping are discussed. Orig. art. has: 5 tables; 7 graphs.

ASSOCIATION: VZKG, Ostrava

Card 1/2

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KVĚTINA, J.

Paper chromatography of pethidine and decomposition of pethidine by liver homogenates. Cesk. fysiol. 7 no.4:357-358 July 58.

1. Farmakologicky ustav VLA, Hradec Kralove.
(MEPERIDINE,
chromatography & decomposition by liver homogenates (Cz))
(LIVER,
homogenates, decomposition of meperidine (Cz))