The Problem of Magnetic Susceptibility of Metallic Lithium

S/181/60/002/02/30/033 B006/B067

its susceptibility (it has a body-centered cubic lattice).  $\chi_1$  is given by formulas (3) - (7), where the denotation introduced in Ref. 1 is used. These terms are calculated by the approximation method of Bardeen, A. G. Samoylovich, and V. Barkhatov. The results are discussed for each term individually. The following was obtained: The main portion of diamagnetic susceptibility is represented by  $\chi_1$ ; it was found that  $\chi_1 = -0.148$ ;  $\chi_2 = -0.025$ ;  $\chi_3 + \chi_4 = -0.121$ , which indicates the strong coupling of conduction electrons in lithium;  $\chi_d = \chi_1 + \chi_2 + \chi_3 + \chi_4 = -0.294$ ;  $\chi_5 = 0.0171 \frac{\alpha}{|\Delta E|}$ ,  $\alpha = 15.2$  ev,  $|\Delta E| = 0.52$  ev. In conclusion, the author thanks L. L. Korenblit for discussions. There are 2 tables and 4 references: 3 Soviet and 1 American.

ASSOCIATION: Institut fiziki poluprovodnikov AN SSSR (Institute of Semiconductor Physics of the AS USSR). Chernovitskiy gosudarstvennyy universitet (Chernovitsy State University)

SUBMITTED: September 12, 1959

Card 2/2

X

Scattering on dipoles. Fiz. tver. tela 5 no.10:2981-2984 0 '63. (MIRA 16:11)

1. Chernovitskiy gosudarstvennyy universitet.

NITSOVIEH, V.M.

Samoylovich, A. G., Klinger, M. I., Nitsovich, V. M.

57-12-13/19

AUTHORS:

TITLE:

On the Correlation Between the Electrons in Narrow Admixture Zones of Semiconductors (O korrelyatsii mezhdu

elektronemi v uzkikh primesnykh monakh poluprovodnikov).

PERIODICAL:

Zhurnal Tekhnicheskoy Fiziki, 1957, Vol. 27, Nr 12,

pp. 2784-2785 (USSE)

ABSTRACT:

In this paper, the influence of the correlation between the electrons on the electron distribution in a narrow admixture zone and on the electron distribution according to quasi-momenta. The investigation is started from the assumtion, that only electrons situated in one admixture centre may interact with each other. From the result obtained, (equation) it can be seen, that in the case of A = 0 (no correlation) the ordinary statical formulae by Fermi-Dirac (with an exactitude including At2) are obtained. In the case of A co, (infinite correlation, implying the absolute impossibility of finding two electrons in one admixture atom) a further formula is deduced from the former one. The formulae deduced here, show, that the correlation

Card 1/2

On the Correlation Between the Electrons in Marrow Admixture 57-12-13/19 Zones of Semiconductors

between the electrons leads to a considerable scattering of the electrons within the zone and promotes the occurrence degeneration. A more exact investigation of the influence of the correlation between electrons on the kinetics of processes in the narrow admixture zone will be conducted by V. M. Nitsovich in another place.

ASSOCIATION: Institute for Semiconductors AN USSR, Leningrad

(Institut poluprovodníkov AN SSSR Leningrad)

March 27, 1957 SUBMITTED:

Library of Congress AVAILABLE:

Card 2/2

### "APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001137.

NITSOVICH, V. M. Cand Phys-Math wei -- (diss) "Certain problems of the theory of semiconductors with narrow impurity areas." Chernovtsy, 1958.

7 pp (Min of Higher Education UkSSR. Chernovtsy State Univ. Chair of Physics of Semiconductors), 150 copies Bibliography: p 7 (11 titles) (KL, 52-58, 98)

-9-

AUTHOR: - Nitsovich, V. M.

SOV/126-6-1-3/33

· TITLE:

Some Aspects of the Theory of Narrow Impurity Band Semiconductors (Nekotoryye voprosy teorii poluprovodnikov

s uzkoy primesnoy zonoy)

PERIODICAL: Fizika Metallov i Metallovedeniye, 1958, Vol 6, No,1,

pp 23-39 (USSR)

ABSTRACT:

The properties of the electron gas in a narrow impurity band, and in a semiconductor with such a band, are examined, using the effective mass method to calculate the chemical potential. State distribution densities are given for cubic and body-centred lattices, plus the temperature variation of conductivity for various degrees of narrow-band filling, and for various energy gaps between the impurity and conduction bands. The theoretical treatment follows that of Ref.(3), only the results for the body-centred case being given (in deriving the equations for the chemical potential). Detailed consideration is then given to the model in Figure 1; it is shown that the Coulomb repulsion between two electrons on the same atom cannot be neglected if the impurity band is narrow, but the exact width at which

Card 1/3

SOV/126-6-1-3/33

Some Aspects of the Theory of Narrow Impurity Band Semiconductors

it must be allowed for is not determined. Part 3 of the paper deals with detailed results on the chemical potential, as functions of band width b (Fig.2). temperature (Fig.3) and gap between conduction and impurity bands (Fig.4). The fourth section deals with the limitations of the effective-mass method; the treatment is applicable if \$\overline{\pi}\rightarrow -2b\rightarrow as is actually found. Part 5 deals with the state density distribution, and Eq.(38) gives the result for a cubic lattice; Fig.7 shows the results for cubic and body-centred lattices (curves A and B respectively). Part 6 deals with the electrical conductivity; the results are taken from Ref.(14), and the argument is not presented in full detail. Fig.8 relates to a function occurring in the cubic case (the only one considered in full). The meanings of Figs.9-12 are clear; \$\sigma\_1\$ relates to the impurity conductance, \$\sigma\_2\$ to the conduction-band

SOV/126-6-1-3/33 Some Aspects of the Theory of Narrow Impurity Band Semiconductors

conductance.

There are 14 references, 9 of which are Soviet, 5 English and 12 figures and 56 numbered equations.

ASSOCIATION: Chernovitakiy gosudarstvennyy universitet

(Chernovtey State University)

SUBMITTED: November 27, 1956.

1. Electron gas--Properties 2. Semiconductors--Theory

Card 3/3

AUTHOR:

Nitsovich, V. M.

57-28-6-12/34

TITLE:

On the Theory of Kinetic Phenomena in

THE PROPERTY OF THE PROPERTY O

Semiconductors with a Narrow Impurity Zone

(K teorii kineticheskikh yavleniy v poluprovodnikakh

s uzkoy primesnoy zonoy)

PERIODICAL:

Zhurnal Tekhnicheskoy Fiziki, 1958, Vol. 28, Nr 6,

pp. 1201-1206 (USSR)

ABSTRACT:

In the present work previously obtained results were utilized for the purpose of deriving the formulae for the electric conductivity, the constant of the Hall (Kholl-) effect, and of the thermoelectromotive force in semiconductors with a narrow impurity zone. Results obtained are compared with experimental data (references 4 and 5). The following model served as a basis for colculations. A monoval and admixture was investigated, the

calculations: A monovalent admixture was investigated, the electrons of which are distributed over the levels in the narrow impurity donor zone which is in the conductive zone. It was taken into account that a certain part of the electrons is in the compensating admixture. The valence

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On the Theory of Kinetic Phenomena in Semiconductors With a Narrow Impurity Zone

57-28-6-12/34

zone was not taken into account. The chemical potential was calculated from the conversation theorem for electrons  $N_0 = N_1(\mu) + N_2(\mu) \tag{1}$ 

The width of the narrow impurity zone exercices only little influence upon the temperature dependence of the chemical potential. The electric conductivity in the narrow impurity zone decreases with a drop of temperature (figure 1). From the same figure it may be seen that correlation among the electrons exercises considerable influence upon conductivity. Calculations showed that with a change of the width of the narrow impurity zone the inclination of the curve in  $\ln \sigma$ ,  $\frac{1}{m}$  does not change. What

changes are merely the values of conductivity. In the temperature interval of from 20 to 6°K the narrow impurity zone exercises no influence upon the course of the temperature of the Hall (Kholl) constant. The reduction of the Hall constant within the temperature range of

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5 - 3,5°K is connected with the fact that within this range

On the Theory of Kinetic Phenomena in Semiconductors With a Marrow Impurity Zone

57-28-6-12/34

the conductivity of the impurity zone becomes considerably greater than in the conductive zone (figure 1). Thermoelectromotive force depends to a considerable extent on the width of the zone (figure 2). Temperature dependence agrees qualitatively with the experimental data determined for it (reference 5). The author thanks Professor A. G. Samoylovich for supervising this work. There are 2 figures and 7 references, 5 of which are Soviet.

ASSOCIATION:

Chernovitskiy gosudarstvennyy universitet

(Chemovisy State University)

SUBMITTED:

July 4, 1957

1. Semiconductors—Impurities 2. Electrons—Diffusion 3. Semiconductors—Electrical properties 4. Mathematics

Card 3/3

NITS. FRICH V. M

ACCESSION NR: AF3006819

8/0185/63/008/008/0877/0882

AUTHOR: Nitsovy\*ch, V. M.

TITLE: Statistical properties of an electron gas with a narrow energy band

SOURCE: Ukrains'ky#y fizy#chny#y zhurnal, v. 8, no. 8, 1963, 877-882

TOPIC TAGS: electron gas, Fermi-Dirac statistics, Fermi gas, impurity band, semiconductor properties, chemical potential, density-of-states, statistical sum, face-centered lattice, semiconductor energy band

ABSTRACT: Anomalies in the electrical, galvanometric and other properties of semiconductors are often due to narrow impurity bands, and this article treats the statistics of an electron gas in such bands. Since energy spectra are determined only for the edges of the narrow bands, methods of treatment based on effective masses cannot be used. A formula was derived for the calculation of the statistical sum, the chemical potential and the number of states in a band with energy equal to or less than a given energy, epsilon, and a density-of-states distribution within the narrow band for substances with a face-centered lattice.

Card 1/2

ACCESSION NR: AP3006819

It is shown that in the face-centered lattice, for which the energy is not symmetric, the density-of-states distribution is assymetric with respect to the center of the band. "The author expresses great thanks to Prof. A. G. Samoylovy\*ch for his discussion of this work." Orig. art. has 17 numbered equations.

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ASSOCIATION: Chernivetsky\*y Herzhuniversy\*tet (Chernivetsky\*y State University)

SUBMITTED: 04May62, revised

DATE ACQ: 30Sep63

ENCL: 00

30Jan63

SUB CODE: 00

NO REF SOV: 006

OTHER: 00

Card 2/2

NITSOVICH, V.M. [Nitsovych, V.M.]

Statistical properties of an electron gas in a narrow energy band. Ukr. fiz. zhur. 8 no.8:877-882 Ag '63. (MIRA 16:11)

1. Chernovitskiy gosudarstvennyy universitet.

ACCESSION NR: AP4040931

£/0185/64/009/006/0617/0628

AUTHOR: Samoylovy\*ch, A. O. (Samoylovich, A. O. ), Nitsovy\*ch, V.H. (Nitsovich, V.H.)

TITIE: Theory of conductivity in semiconductors with a narrow impurity zone.

SOURCE: Ukrayins'ky\*y fizy\*chny\*y zhurnal, v. 9, nc, 6, 1964, 617-628

TOPIC TAGS: Semiconductors impurity band, impurity conduction, compensated semiconductor, doped semiconductor, Hall coefficient, thermal E.M.F., electrical conductivity, electron tunneling, electron hopping, quasi-impulse method

ABSTRACT: Transport phenomena are considered for doped and compensated semiconductors with a narrow impurity zone located within the intrinsic forbidden zone, The work of Mott and Twose (Adv. Phys. 10, No. 38, 107, 1961) is expanded and refined. Introductory remarks explain that narrow impurity zones cannot be treated as bands in the Bloch wave scheme, but that localized wannier functions and a Heitler-London scheme must be used. Further, since the zone is so complicated, havind different effective masses at top and bottom, the effective mass approach breaks down. Feynmann's method is used to untangle the non-commuting energy operators that appear in expansions of exponential thermodynamic functions. The repulsive forces of filled (charged) compensating impurities on

] 1/3

### ACCESSION NR: APLIOLOGIA

the impurity charge carriers is a prime consideration in the derivations. Its not effect is to contribute to the degeneracy of the charge carrier (electron) gas. This phenomena, as well as the effect of electron spin, was overlooked by Price in his appendix to the article of H. Koenig and G. R. Cunter-Konr sic (J. Phys. Chem. Solids, 2, 263, 1952) and the oversight lead to incorrect results.

The conductivity sigma, all constant R and thermal E. M. F alpha were calculated from the general results. At low temperatures, where impurity effects predominate, the slopes of the theoretical expressions for R and sigma agree closely with experimental results. The theoretically calculated activation energy of 1.1x10<sup>-3</sup> eV also agrees closely with the experimental value of 1.6x10<sup>-3</sup> eV. The theoretical hold best for low compensation ratios. It is concluded from the close fits of theoretical and experimental curves [experimental data from H. Fritzsche, K. Lark-Horowitz, Phys. Rev. 113, 999, 1959] that the anomalies in the thermal dependencies of the transport coefficients are manifestations of the repulsive effects of compensators and the correlation of electrons at low temperatures. The Mott scheme of impurity conduction involved a "hopping" between filled and empty impurity sites in which the phase relations between the initial and final electron states were not preserved. The authors method of calculation, that of "quasi-impulses" [quasi-momentum?], required that phase relations be preserved.

SAMOYLOVICH, A.G. [Samoilovych, A.H.]; NITSOVICH, V.M. [Mitsovych, V.M.]

Theory of conductivity of semiconductors with a nerrow impurity zone. Ukr. fiz. zhur. 9 no.6:617-628 Je '64.

(MIRA 17:11)

1. Chernovitskiy gosudarstvennyy universitet.

JD/HW/OJ/RM T/EMP(t)/EMP(k)/EMP(n)/EMP(b)/EMA(c)L 10653-66 EWP(1) SOURCE CODE: GE/0029/65/000/011/0647/0649 ACC NR: AP5028434 42 (Zwickau); Gartner, G. (Zwickau); Mockel, J. (Zwickau) 41 AUTHOR: Nittel. 44.55 ORG: Central Institute of Manufacturing Technology in Machine Building, Karl Marx Stadt, Division of forming techniques, Zwickau (Mitteilung aus dem Zentralinstitut für Fertigungstechnik des Maschinenbaus, Karl-Marx-Stadt, Bereich Umformtechnik) TITLE: Glass foam as lubricant carrier in steel extrusion SOURCE: Neue Hutte, no. 11, 1965, 647-649 TOPIC TAGS: steel, steel extrusion, hot extrusion, extrusion lubricant, glass lubricant, lubricant carrier, glass foam carrier ABSTRACT: East German glass foam (usually used as building material) was found to be unsuitable as a <u>lubricant in steel extrusion</u> when used alone owing to a high content of silicon cloxide and carbon, the latter originating from the foaming medium. However, it was found that the same glass foam is an excellent carrier of other luricants such as glass powder. Foam-glass disks 73 mm in diameter and 2-3 mm thick containing pores 0.1-4.0 mm in diameter were rolled in glass powder so that the latter filled the open pores. Then the disks were used in a regular manner in the extrusion of carbon steel at 1100C with a reduction of 82-96.5% in a vertical 500-ton press. The extruded bars had a perfect surface and accurate dimensions, and the service life of dies increased by 75%. Since regular glass Card 1/2

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ACCESSION NR: AP4034915

5/0181/64/006/005/1369/1374

AUTHORS: Nitts, V. V.; Papulova, Z. G.; Sosnovskaya, I.; Sosnovskiy, Ye.

TITLE: Structure investigation by neutron diffraction on a fast pulse reactor

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SOURCE: Fizika tverdogo tela, v. 6, no. 5, 1964, 1369-1374

TOPIC TAGS: neutron diffraction, crystal structure, fast pulse reactor, oxygen parameter, reactor IBR

ABSTRACT: The authors investigated the applicability of a fast pulse reactor IBR, as used at the Laboratoriya neytromoy fiziki Ob"yedinemogo instituta yaderny\*kh issledovaniy (Laboratory of Neutron Physics of the United Institute of Nuclear Studies) for structural studies of crystals. The average power of the instrument is 1 kv, and a beam of incident white light is employed. The energy spectrum of neutrons scattered at the incident angle was measured according to transit time. The technique gave high intensity and low background. Neutron diffraction spectra were obtained for powdered samples of Al, Zn, and ZnO. The results show that great precision may be obtained for structural analysis. By this method it was found that the oxygen parameter of ZnO is 0.374 (a refinement of the value previously

Card 1/2

### ACCESSION NR: APLO34915

taken, 0.375, the average of 0.360 and 0.390). In comparison with the standard powder method using a water-cooled, water-moderated reactor of 2000 kv, the fast pulse reactor shows considerable gain in time of measurement (because of the high intensity and low background). "The authors thank F. L. Shapiro for proposing the topic and for his useful discussions. They also thank B. Buras for scientific consultation and S. Naby\*vants and V. V. Golikov for their aid in the work." Orig. art. has: 6 figures and 1 table.

ASSOCIATION: Obmyedinennymy institut yadernymkh issledovaniy, Dubna (United Institute of Muclear Research)

SUBMITTED: 18Nov63

EXCL: 00

SUB CODE: NP. OP

NO REF SOV: 002

OTHER: OOL

Card 2/2

ZALIVIN, N.N.; NITTS, Ye.F.

Contactless temperature transducer of calender rolls. Kauch.i rez. 21 no.8:48-49 Ag '62. (MIRA 16:5)

1. Nauchno-issledovatel'skiy konstruktorsko-tekhnologicheskiy institut shinnoy promyshlennosti, Omsk.

(Rubber industry-Equipment and supplies)

ZABORENKO, K.B.; ECGATTREV, I.O.; NITTSOL'D, D.

Periodic production of thorium X from preparations of rediothorium by the method of ion exchange chromatography. Radiokhimita 5 no.5: 638-639 '63. (MIRA 17:3)

ZABORENKO, K.B.; NITTSOL'D, D.; KOROBKOV, V.I.

Use of the method of microautoradiography for studying the distribution of radium in films of high molecular weight substances. Radiokhimila 5 no.54642-643 '63. (MIRA 17:3)

CATRI'A, I.; MEHELI., H. D.; IORDACHE, Cerina; NITU, Cernelia

"Elechemical and physiological studies on the drying phenemenen of decks. Studii cerc bischimie 5 ns.1:25-37 '62.

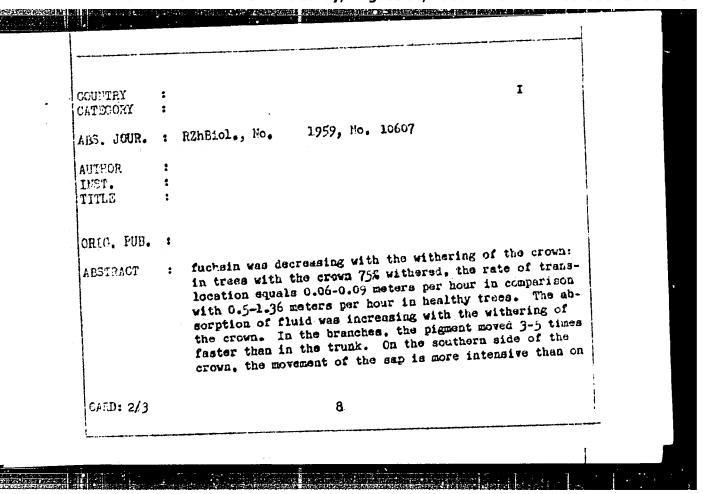
1. Institutul de cercetari ferestiere si Institutul de bischimie al Academiei R.F.R., Bucuresti.

# NITU, Constantin Communists are in front. Constr Buc no.756:3 4 July '64. 1. Assistant Secretary of the Party Committee, I.C.M. No.5, General Directorate of Construction and Assembly, Bucharest.

L 10481-66	7002/0035
L 10481-66 ACC NR: AP6003547 SOURCE CODE: RU/0011/65/009	001/00/1000
AUTHOR: Nitu, CHitu, K. (Engineer)	38
ORG: none	
TITIE: Solution of an optimizing problem by means of analog machines	
SOURCE: Automatica si electronica, v. 9, no. 1, 1965, 32-35	
TOPIC TAGS: analog computer, computer application, computer calculation	n
TOPIC TAGS: analog Computer, computer applications	
ABSTRACT: In an article "for the young engineer" the author illustrate logy of solving an optimizing problem by means of analog devices. Both a linear and that of a non-linear optimizing problem are considered. 4 figures, 5 formulas. [JPRS]	s the methodo-
ABSTRACT: In an article "for the young engineer" the author illustrate logy of solving an optimizing problem by means of analog devices. Both a linear and that of a non-linear optimizing problem are considered.	s the methodo- the case of rig. art. has:
ABSTRACT: In an article "for the young engineer" the author illustrate logy of solving an optimizing problem by means of analog devices. Both a linear and that of a non-linear optimizing problem are considered. Of figures, 5 formulas. [JPRS]	s the methodo- the case of rig. art. has:
ABSTRACT: In an article "for the young engineer" the author illustrate logy of solving an optimizing problem by means of analog devices. Both a linear and that of a non-linear optimizing problem are considered. Of tigures, 5 formulas. [JPRS]  SUB CODE: 09 / SURM DATE: none / ORIG REF: 001 / OTH REF: 001	s the methodo- the case of rig. art. has:
ABSTRACT: In an article "for the young engineer" the author illustrate logy of solving an optimizing problem by means of analog devices. Both a linear and that of a non-linear optimizing problem are considered. Of tigures, 5 formulas. [JPRS]  SUB CODE: 09 / SURM DATE: none / ORIG REF: 001 / OTH REF: 001	s the methodo- the case of rig. art. has:
ABSTRACT: In an article "for the young engineer" the author illustrate logy of solving an optimizing problem by means of analog devices. Both a linear and that of a non-linear optimizing problem are considered. Of figures, 5 formulas. [JPRS]  SUB CODE: 09 / SURM DATE: none / ORIG REF: 001 / OTH REF: 001 SOV REF: 001	s the methodo- the case of brig. srt. hass
ABSTRACT: In an article "for the young engineer" the author illustrate logy of solving an optimizing problem by means of analog devices. Both a linear and that of a non-linear optimizing problem are considered. Of figures, 5 formulas. [JPRS]  SUB CODE: 09 / SURM DATE: none / ORIG REF: 001 / OTH REF: 001 SOV REF: 001	s the methodo- the case of brig. srt. hass

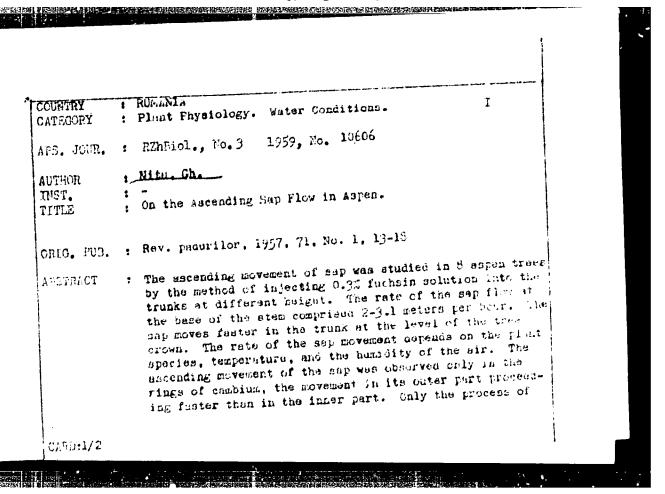
COUNTRY	:	HUMANIA Plent Physiology. Water Conditions.	I
CATEGORY		RZhHiol., No. 3 1959, No. 10607	
ABS. JOURI		Georgescu. C. C., Nitu, Gh.	
AUTHOR	•	Agos Boogs .	s t e d
INST.	•	The Study of Sap in Healthy and Dessice	
TILLE		Austrian Pine.	
ORIG. PUB.	:	Bul. stiint. Acaa. RPR. Sec. biol. si stiinte e Ser. bot., 1957. 9, No. 1, 87-103 Sep flow in 31 trees (aged 55-60 years) of hea Sap flow in 31 trees (aged in Mediesh rayon (a	lthy et.C
AHSTRACT	:	withering pine was studen was being injected in	to tao tro-
		face for 3 and 6 hours moved through cambium and through	and in a the entir
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		the pigment movement during a day is standard of transpiration. The rate of the translocat	ion of

## "APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001137



### "APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R001137



GEORGESCU, C.C.; NITU, Ch.; TUTUTNARU, V.

Research on the water circulation in the oak Quercus robur L. in the course of its drying. Studii cerc biol veget 12 no.4:475-495 \*60.

1. Membru corespondent al Academiei R.P.R. (for Georgescu) (Oak)

### "APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001137.

MITU, I.

Aspects of the international trade of foliage-tree timber. p.258.

INDUSTRIA LEMNULUI. (Asociatia Stiintifica a Inginerilor si l'Anicienilor din Rominia si Ministerul Industriei Lemnului) Bucuresti, Rumania Vol. 6, no. 7, July 1959.

Monthly list of Eastern European Accession Index (IEAI) IC vol. 8, No. 11 November 1959 Uncl.

### "APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001137.

CONEA, Ana; VOLOVICI, C; MUCENIC, Iulia; NITU, I.

Padological complex of Calmatui Valley. Dari seama sed 46:
429-446 158/59 [publ. 162].

CONEA, Ana; VOLOVICI, C.; MUCENIC, Iulia; NITU, I.; Soil of the low plain of Siret. Dari seams sed 47:421-439

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0011373

in ing the surround of the sured

CONEA, Ana; VOLOVICI, C.; MUCENIC, Iulia; NITU, I.; ENATOSIN, Niculina; BUCEAC, Elena; IACOB, Eugenia; VASILESCU, Marcela; BALABAH, Lidia; COLIOS, Elena; PETRESCU, Adriana; POPESCU, Florica; SAFTA, Rodica; MAC, Hareta.

The Oracea plain and hilly soils. Dari seams sed 48 48 60/61 [publ. \*62]

# FRIEDLANDER, E.M.; NITU, R.

Production of high energy neutral pions in N -- X collisions at 9 BeV. Comunicarile AR 13 no.9:317-820 \$\*63.

1. Membru corespondent al Academiei R.P.R. (for Friedlander).

Exercises exercise to the later to the later

ILIESCU, C.C., prof.; ROMAN, L., dr.; ILIESCU, M., dr.; IACOBINI, P., dr.;

NITU, S.; CONSTINTINESCU, S.; CONSTANTINESCU, A.; GHEORGHIU, C.

The action of unsaturated fatty acids on blood lipids in arteriosclerosis. Med. intern. 14 no.12:1433-1442 D '62.

1. Lucrare efectuata la ASCAR, Bucuresti.
(BLOOD LIPIDS) (ARTERIOSCLEROSIS) (FATTY ACIDS)
(BLOOD CHOLESTEROL)

RUMANIA

ILIESCU, C.C., Professor; ILIESCU, Matei, MD; DOMOCOS, G., MD; IACOBINI, P., MD; CONSTANTINESCU, S., Chemist, NITU, S., Chemist

Bucharest, Viata Medicala, no 1, 1 Jan 63, pp 9-17

"Essential Hyperlipaemia Associated with Atherosclerosis (Effects of Nicotinic Ax# Acid."

NTTU, T., ing.

Achievements and experience gained in the Suceava region in the execution, maintenance, and exploitation of ponds and storage reservoirs. Hidrotehnica 8 no. 5:173-178 My 163.

## "APPROVED FOR RELEASE: Tuesday, August 01, 2000

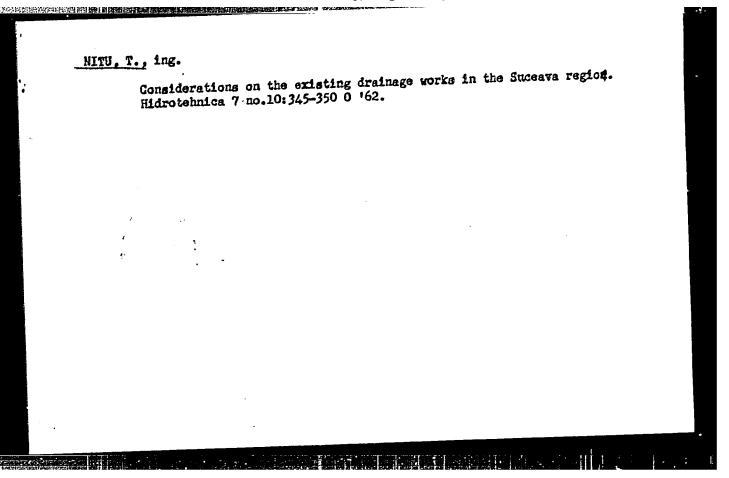
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NITU, T., ing.

**经济市的各种条则将州国州区域州州** 

Toward the reversible utilization of the draining system in the Suceava region. Hidrotehnica 7 no.1:29-23 Ja '62.

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0011373



NITU, Th., ing.

Some results obtained by applying the work of intermanagement organization in the Suceava region. Rev geodezie 8 mo. 3: 65-70 '64.

MANAGEMENT OF THE SECOND SECON

1. Suceava Regional Office of Planning and Land Organization.

Comanusculator, ing.; Hunnier, I., ing.; NITU.V., ing.

Considerations on the choice of the optimum tension utilisation for electric drives in the oil extraction industry. Petrol si gaze 14 no.98448-456 S\*63.

NITU, V., conf. ing., candidat in stiinte tehnice

Progress in the design and construction of thermal power stations.

Energetica Rum 12 no. 8:373-380 Ag '64.

1. Director of the Institute for Electric Power Study and Planning, Bucharest.

# "APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001137.

COMANDECU, Toma, ing.; HOHULEA, Ion, ing.; NITU, Vasile, ing.

Selection of optimum voltage for electric equipment used in the petroleum industry. Ipari energia 5 no.3:67 K '64.

BRAUNER, R., prof.; NITU, Victoria, dr.; HOANCA, O. dr.; MINEA, I.dr.

Serum glycoproteins in atherosclerosis. Hed. intern. 16 no.1: 39-46 Ja\*64

1. Lucrare efectuata in clinica medicala a Spitalului "Brincovenesc" (director: prof. R. Brauner).

The complete of the complete o GALEA, Gh., conf.; NITU, Victoria, dr.; HOANCA, O., dr.; GALEA, I., dr.; POPESCU, Ana, chimist; ENACHE, M., dr. Contribution to the study of hepatic cytonecrosis. Hed. intern. 14 no.4:445-454 Ap 132. 1. Lucrare efectuata in Clinica Medicala a Spitalului "Brincovenesc" (prof. R. Brauner). (NECROSIS) (HEPATITIS) (LIVER CIRRHOSIS) (DEHYDROGENASES) (ISOMERASES) ERASES) (ENZME TESTS) (BLOOD ALKALINE PHOSPHATASE) (aminotransferases) (ALDOLASE) (URIC ACID) (AMINOACIDURA) (IRON METABOLISM)

# MITU, V.

NITH, V. Aspects of the problems of interrupters, high tersions, and construction of electric lines, at the 1th sension of the International Conference on Large Electric Systems. p. 980

Vol. 4, to. 12, bec. 1956 ELECTRATERNICA TECHNICATION RUMMITA

So: East European Accession, Vol. 4, No. 5, May 1957

пт:, v.	·
Sathematical expressions of security in the operation of electric circuits.	
p. 189 (Academia Republicii Populare Romine. Institutul de Energetica. Studii Si Cercetari De Energetica. Vol. 6, no. 3, July/Sept. 1956. Bucuresti, Rumania)	
Monthly Index of East European Accessions (FEAI) I.C. Vol. 7, no. 2, February 1958	

# HITU. V.

Conditions for the replacement of copper with aluminum in choke coils. p.77. (ELECTROTHEHICA. Vol. 5, No. 3, Mar. 1957, Rumania)

SO: Monthly List of East European Accessions (EFAL) LC. Vol. 6, Mo. 12, Dec. 1957 Uncl.

NITU, V.I.,ing.; VASILESCU, N.,ing.

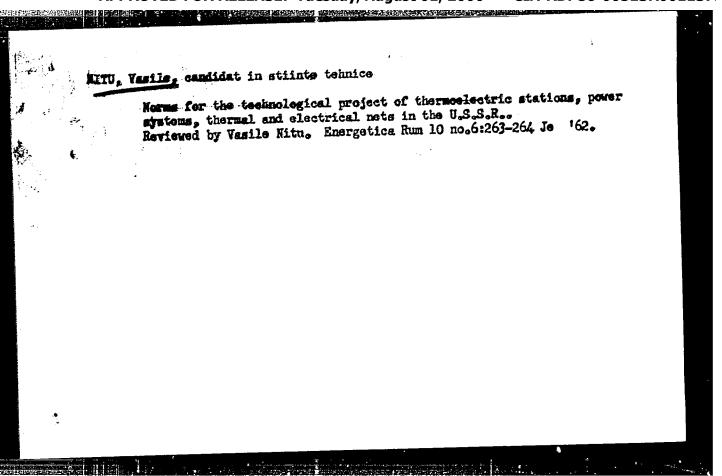
Current trends in designing thermoelectric plants in Rumania.

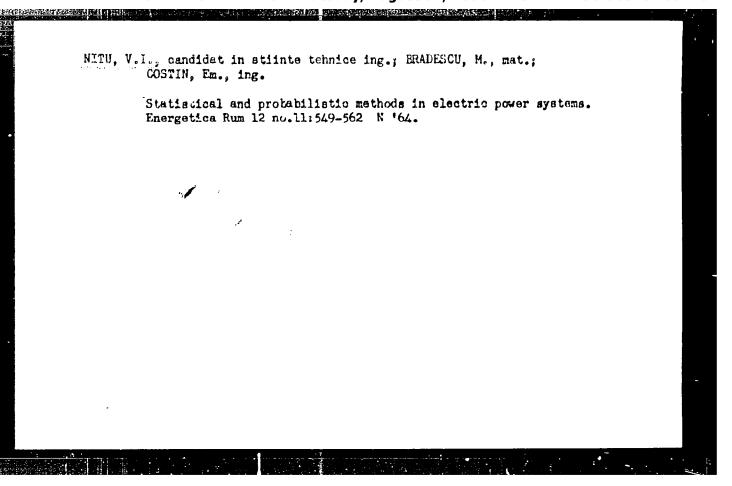
Energetica Rum 8 no.8:359-365 Ag '60.

MITU, Vasile, ing., candidat in stiinte tehnice

A new system for the power plants and transformer stations with 6 and 10 kv. tensions. Energetica Rum 9 no.11:433-439 M '61.

(Hydroelectric power stations)





GEORGESCU, A., ing.; NITU, V.I., ing.; BURDUCEA, C., ing.

Power engineering in Great Britain. Energetica (um 12 no.12:633-639 D '64.

EDUARD, Gheorghe, ing.; FRANCISC, Boros, ing. ROSSERSE, VALUE Drogos, i.g. CANDA C.; RADULESCO, U.: LETEANU, C., ing: IONESCO, Ton; ALEXANDRE, Bernat; Cognievschi, F.; HITU, V.I., ing.

AND THE RESIDENCE OF THE COURT ENGINEERING AND THE PROPERTY OF THE PROPERTY OF

Reserves of reduction of material consumption in constructions. Probleme econ 18 no.2:152-157 F 165.

1. Director, "Laminorul" Plant, Braila (for Eduard). 2. Director, "Mondial" Factory, Lugoj (for Francisc). 3. Head of the Technical Office, "Mondial" Factory, Lugoj (for Roseliese). 4. Director, Scaeni Glass Factory (for Vasile). 5. Director, "Victoria" District Enterprise of Local Industry, Tirgoviste (for Sanda). 6. Chief Engineer, "Victoria" District Enterprise of Local Industry, Tirgoviste (for Radulescu). 7. Director, Regional Trust for Constructions, Arges (for Olteanu). 8. Chief Engineer, Regional Trust for Constructions, Arges (for Ionescu). 9. Director, Regional Trust for Local Constructions, Bucharest (for Alexandru). 10. Chief Engineer, Regional Trust for Local Constructions, Bucharest (for Cvasnievschi). 11. Direct , Institute for Power Projects and Studies, Bucharest (for Nitt).

11

616.921.5:576.8.097.35

SOLORON, I., GRIGORIU, Th., SCHEAU, Alla, DUVAN, Kenia, and NITULESCU. C., of the State Inspectorate for Hygiene and Labor Safety (Inspectia de Stat pentru Igiena si Protectia Kuncii), Bucharest.

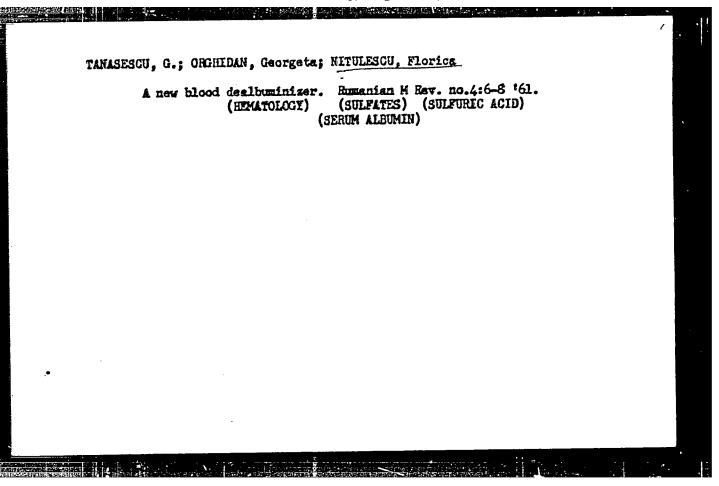
"A Study of the Average Level of Antigrippal Antibodies By Means of the HAI Reaction on Sample Mixtures of Sera."

Eucharest, Studii si Cercetari de Inframicrobiologie, Vol 17, No 2, 66, pp 129-132.

Abstract: The authors studied the average level of HAI anti-grippe antibodies on 33 sample mixtures of sera, each being obtained from approximately 2,000 to 2,500 individual sera from residents of Buckarest. The average level of antibodies determined from the sample mixtures agreed with the results obtained with individual serum samples (geometric mean of the individual titers), indicating that this method can be used to adventage to determine the immunological profile of a population. Includes one table, one figure and two Russian references. -- Kanuscript submitted 24 February 1965.

1/1

- 23 -



RUM/9-59-9-4/46 18(5) Nitulescu, Florin, Engineer AUTHOR: Finishing Rolls for Round Steel Bars Rolling TITLE: Metalurgia și construcția de mașini, 1959, Nr 9, PERIODICAL: pp 748-755 (RUM) Round steel has to be rolled with minus tolerances for greater economy of material. In view of the higher efficiency of the machine tools, processing the hot-rolled steel bars, the tolerances are within more severe limits. To meet the increasing requirements of precision rolling, the rolling-mill ABSTRACT:

engineers were obliged to apply new and advanced methods for the hot rolling of steel bars. The main factors on which the restricted-tolerance hot-rolling of round steel depends are the following: design of the finishing and prefinishing rolls, the operational method and the guidance system applied at the rolling mill. This article deals with the special problems of the design of finishing and pre-

finishing rolls for round steel rolling. The author

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RUM/9-59-9-4/46

Finishing Rolls for Round Steel Bars Rolling

begins with the description of the design of the round finishing roll. He deals with the calculation of steel contraction during cooling, the tclerances prescribed in the standards, the "jump" s of the cylinder as shown in Fig 3a, the number of round sizes which must be rolled with the same roll, the difference of broadening Ab between the two ends of the rolled bar, depending on the diameter d and length of the bar (Figs 1 and 2); the wear "u" of the roll which is also taken into account in the calculation of the height h; and the deflection "f" of the cylinder. The author then gives the formulae for the calculation of the width b and height h of the round finishing roll. Another equation, to-gether with Fig 3b, gives the calculation of the width increase due to the jump,  $\triangle$  s. In practice, the value of  $\triangle$  s = d (0.0075-0.0025). The values of the tolerances admitted &d are taken from the corresponding standards. For b the plus tolerance is taken, for H the minus tolerance. In continuing,

Card 2/4

er og storette **f**atte forstatte st<u>orette fatte forstatte</u>.

RUM/9-59-9-4/46

Finishing Rolls for Round Steel Bars Rolling

the author presents the main design methods. The first method is to design the roll with a radius  $R > \frac{d_C}{2}$ , which is used for finishing round gauges for 5 to 60 mm round steel bars. Another method is the enlarging of the roll by circular arcs of radii  $R = \frac{d_C}{2}$ , as shown in Fig 4. A third method is presented in Fig 6, referring the design involving an enlarging with a greater diameter for a depth of  $\frac{1}{2}$  only. Another method of enlarging is that described by Fig 7. In chapter B, the author deals with the design and calculation of the finishing oval rolling gauges, Figs 9, 17. He presents the calculation of the "coefficients of reduction of the diameters," based on a publication by Bakhtinov  $\sqrt{Ref}$  17. Some values presented are said to be practically experimented, for example the ratio  $q_1 = \frac{b_{kl}}{h_1}$  (see Fig 18) is being tested at Combinatul

Card 3/4

RUM/9-59-9-4/46

Finishing Rolls for Round Steel Bars Rolling

Siderurgic Hunedoara (Steelworks of Hunedoara). The finishing flat oval represented in Fig 20 was tested by M.V. Zhuralev  $\sqrt{Ref}$  17. The "Rustavi" plant of USSR built prefinishing hexagonal rolls for large-section steel bars (160 to 350 mm diameter) to be rolled on the blooming mill. The data of that gauging are indicated in Table 1. The diagram of variation of the ratio  $\frac{b_kl}{h_l}$  as a function of the bar

diameter is presented in Fig 22. Further data are given for the design and calculation of the square prefinishing gauge for steel rolling, represented in Fig 23. There are 12 diagrams, 12 graphs, 1 table, and 5 references, 4 of which are Soviet and 1 German.

Card 4/4

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#### "APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001137

D.

METHLESLE NITHLESCH, I.

RUMANIA/Cosmochemistry - Geochemistry - Hydrochemistry.

Abs Jour : Ref Zhur - Khimiya, No 8, 1958, 24603

Author : Nitulescu, I., Manea, A.

Components of Coal in the Jiului Valley.

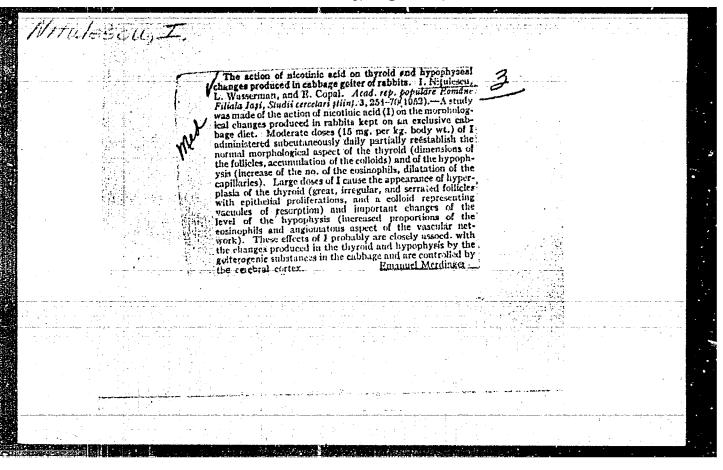
Orig Pub : Rev. minelor, 1957, 8, No 6, 253-254, 292-297

Abstract : In relation to coal, two varieties of pyrite have been

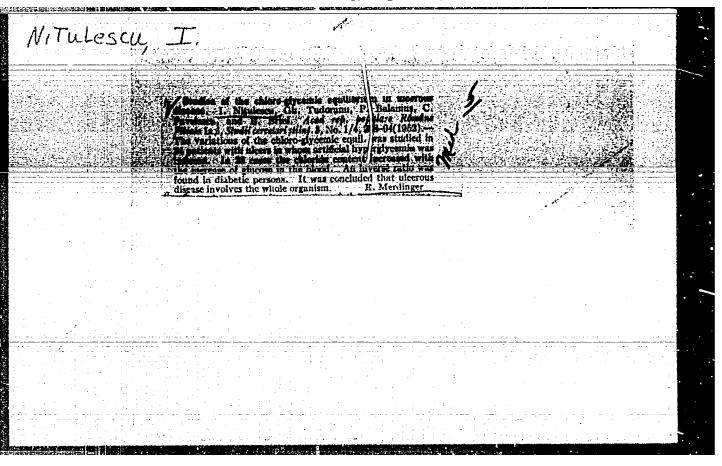
determined: a syngenetic and an epigenetic which was deposited along the fissures and planes of stratification during the filtration of iron containing solutions.

Card 1/1

15



# "APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001137



MITHIESCH. I. prof. dr.

A point in the controversial discussion of the etiology of pellsgra; the works of Dr. I.Neagos. Rev. st.med., med. int., Bucur. 6 no.4:122-128 Oct-Dec 54.

1. Comunicat la sesiunea I.M.F., Iasi, 4-6 iunie 1954.

(PELLAGRA, etiology & pathogenesis
research, hist. in Rumania, contribution of Meagoe)
(BIOGRAPHINS
Meagoe, I.)

### "APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001137

. r. . . T Country : RUMANIA Category: Ruran and Anical Physiology. Internal Secretion. Thyroid Gland Abs Jour: RZhDiol., No 19, 1958, 88953 Author : Nituescu, I.; Wasserman, L.; Klingher-Wasserman, D.; Govrillte, L. : Rumanian Academy, Insi Affiliate Inst : The Protective Action of Vitamin A in Dystrophy of Title the Thyroid Gland, Caused by Thiourea Derivatives. Orig Pub: Studii si cercetarii stiint. Acad. RPR Fal. Iasi Med., 1956, 7, No 1, 1-16 Abstract: Methylthicuracil was administered in deses of 5 mg/ 100 g to rats for a period of 15 days. Typical changes resulted in the thyroid gland and in the hypophysis. These changes were less marked (parti-: 1/2 Card

# "APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001137.

NITULESCU, I., acad.

Investigations concerning the coupled antagonistic reflexes by which the corebral cortex controls the activity of metabolic equilibria. Rumanian M Rev. no.1:204-205 Ja-Mr '61.

1. The Institute of Medical Research of the R.P.R., Academy, Jassy Branch. Director: Acad. I. Nitulescu.

(MEFLEX) (CEREBRAL CORTEX physiology)

(BLOOD SUGAR physiology)

NITULESCII. I., ing.; MCCANU, Ana, ing.; FILL PEANU, Livia, ing.; ANGHEL, Lucia, geolog; SAPORTA, Ecaterina, ing.

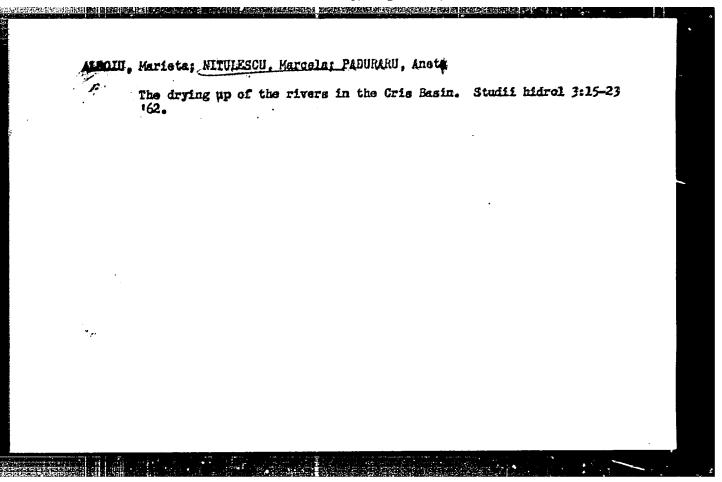
Quantitative mineralogical analysis of technological ore tests. Rev min 15 no.11:595-601 N '64.

NITULESCU, J., Academ.; WASSERMAN, L.; KLINGHER-WASSERMAN, D.

Effect of nicotinic acid on the evolution of avitaminosis in rats. Bul. stiint, sect. med. 8 no.1:49-61 Jan-Mar 56.

(VITAMIN A DEFICIENCY, experimental eff. of nicotinic 1:1d on develop. & course).

(NICOTINIC ACID, effects on exper. vitamin A defic.)



MCCIORNITA, C.; DINCA, A.; NITULESCU, M.

Seasonal and monthly flow repartition on the Rumanian rivers in an average year. Studii hidrol 5:3-23 '63.

NITULESCU, M.; MOCIORNITA, C.; DINCA, A.; VIRCOL, L.; VOICU, Gh.; MIHAILESCU,

Gh.; MAE, D.; BARBAT, V.; MIHAIL, M.; MUSETESCU, P.; CORRAN, V.;

MATERSCU, M.

Monograph on the hydrology of the hydrographic basins of the Isa,

Viseu, Sapinta, Tur Rivers.

MITULESCU, V., Prof.

Anti-helminth preventive negaures for use in rural areas. Rev.
st. med., med. int., Bucur. 6 no.2:65-75 Apr-June 54.

(HELMINTH INTECTIONS, prev. & control
in Russia, methods for use in rural areas)

(WATER SUPPLY
irrigation water supply, decontamination in prev. of
helminth infect. in Russia)

NITULESCU, V.; FOZSGI, N.; SORESCU, A.; PANAITESCU, D.; HACIG, A.;

SOLOWON, P.

Problems connected with helminthological research in mining regions. Stud. cercet. infranicrobiol., Bucur. 7 no.1-2:
193-202 Jan-June 56.

(HELMINTH INFECTIONS, epidemiol.
 in mining regions of Rumania)

(MINING
 helminth infect. in miners of Rumania, epidemiol.)

	USSR/	Consideration: trical remains and ricientical remains	PET.	USSA	
	(25.1	Considers behavior of three types of tation; series, shunt, and compound, trital motors used in automatic regitems, and their relative merits. Middlents of power amplification are sufficiently prescribed for number of the statements of the statements.	"Electric Motor Regulators With Cr Excitation," Ye. V. Mitusov, Mosco Inst imeni Molotov, 6 pp	ussk/mlectricity	
	lectricity involving control. Kulebakin.	es behavior of series, shunt, sotors used in their relatis of power amplently prescribe	tric Motor Reg tation," Ye. V. imeni Molotov,		
	ng e	behavior of three types of eries, shunt, and compound, tors used in automatic regulative merits. Mit their relative merits. Mit tower amplification are thy prescribed for number of	tor Re Ye. Y	- Kai	
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AID P - 943

NITUSOV, YE.V.

Subject : USSR/Electricity

Card 1/1 Pub. 27 - 12/25

Author : Litvak, L. V., Kand. of Tech. Sci., Dotsent and

Nitusov, Ye. V., Doc. of Tech. Sci., Prof., Moscow

Title : A generalized equation of the mechanical characteristic

of short circuited asynchronous motors

Periodical: Elektrichestvo, 10, 63-66, 0 1954

Abstract : The author present the derivation of the equation of the

function  $\mu = f(s)$ , proceeding from the equivalent circuit and accounting for the saturation of the teeth layer and for the skin effect. They derive all needed equivalent circuit parameters and coefficients from the catalog data.

Five diagrams, 6 references (1939-1950).

Institution: Not given

Submitted : Ap 21, 1954

NITUSOV, VC.V

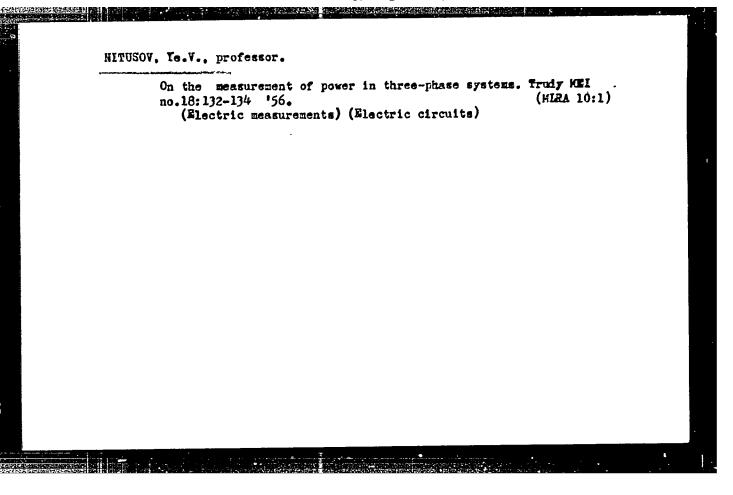
KOSTENDO, N.P.; KULERAKIN, V.S.; LARIONOV, A.N.; PETHOV, G.N.;

HIUSOV Te.V.; BOGOL FLENSKIT, V.N.; RUDAKOV, V.V.; KOERASHKOV,

N.V.

M.V. Gorokhov; obituary. Elektrichestvo no.1:95 Ja '56.(MIRA 9:3)

(Qorokhov, Eikolai Vladimirovich, 1896-1955)



KULMBAKIN, V.S., akad., otv. red.; CHILIKIN, M.G., doktor tekhn. nauk.prof.;

NITHISOV. Ye.K., doktor tekhn. nauk.prof.; IOFFE, D.M., red. izd-va.;

KUZ'NIE, I.F., tekhn. red.

[Transactions of the Conference on the Automatic Control of Alternating-Current Electric Drives] Trudy soveshchaniia po avtomatisirovannomu elektroprivodu peremennogo toka 25-28 mais,1955 g. Moskva, Izd-vo Akad. nauk SSSR, 1958. 398 p. (HIRA 11:12)

1. Soveshchaniye po avtomatizirovnimomu elektroprivodu toka. 1955.
(Electric driving)
(Automatic control)

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30V/112-60-1-3.198

Translation from: Referativnyy zhurnal Elektrotekhnika, 1960, Nr 1, p 117

(USSR)

AUTHOR:

Nitusov, Yu.Ye.

TITLE:

Natural Oscillations in a System of Alternating Current

Electromagnets With a Capacitor

PERIODICAL:

Ir. Soveshchaniya po avtomatizir. elektroprivodu peremen.

toka, 1955. Moscow, AS USSR, 1958, pp 377 - 384

ABSTRACT:

Natural oscillations of the armature of an electromagnet with a coil connected in series with a capacitance to the terminals of an AC source are considered. When pulled in the armature stretches a spring which, when the pulling in is finished, brings it to the initial state again. The reciprocating motion of the armature repeats with a regular periodicity, as the feeding voltage remains constant. From the study of experimental dynamic treation characteristics at the feeding treation characteristics.

feeding voltage remains constant. From the study of experimental dynamic traction characteristics it follows, that the force for pulling in the armature is greater than the releasing force;

Card 1/3

consequently such a system is able to perform a useful work while

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Natural Oscillations in a System of Alternating Current Electromagnets With a Capacitor

pulling in. On the basis of an analysis of equations and experimental data, It was found out that the ambiguity of dynamic characteristics can be physicall explained in principle by three overlapping phenomena; the commensurability of the time of motion of the armature with the duration of transient processes; the presence of a speed component of electromotive force; the presence of natural oscillations in the electrical part of the system. The natural oscillations almost do not manifest themselves separately from pulsations caused by the motion of armature. They only appear at a sharp stop of the armature. In the case of absence of friction and restrictions in motion, the frequency of mechanical oscillations of the system depends on the mass and rigidity of the spring only, and the amplitude of oscillations depends on the electric network parameters. In presence of armature motion restrictors the frequency increases with a decrease of the possible amplitude, and the dependence of frequency on the network parameters begins to show up. Because of an interrelation of electric and mechanical parameters, the conception of



Card 2/3

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SOV/112-60-1-3.198

Natural Oscillations in a System of Alternating Current Electromagnets With a Capacitor

fer :-mechanical resonance of voltages or currents is introduced. The system can be used as a drive for reciprocating motion with the length of travel from 20 to 30 mm.
2 references.



I.I.S.

Card 3/3

NITUSOV, Ye. V.

ANVEL'T. Moyya Yur'yevich; GERASIHOV, Viktor Grigor'yevich; ZAYDEL',
Khristina Eduardovna; KOGER-DALIN, Vladimir Viktorovich; LYSOV,
Nikolay Yegorovich; MOROZOV, Dmitriy Mikolayevich; NITUSOV,
Yeyzeniy Vasil'yevich; PANTYUSHIN, Vasiliy Sergeyevich, prof.;
PUKHLYAKOV, Yuriy Kharlampiyevich; SHIRIOV, Vladimir Aleksandrovich; UTKIN, Ivan Vasil'yevich; SHAROKHIN, Grigoriy Ivanovich;
KASATKIN, A.S., retgenzent, red.; BORUNOV, N.I., tekhn.red.

[Flectrical engineering; general course] Elektrotekhnika; obshchil kurs. Pod red. V.S.Pantiushina. Moskva. Gos.energ. (Electricity) (MIRA 13:1)

HITUSOV, Ye.V., prof., doktor tekin.nauk, otv.red.; KOVAL'SKAYA, I.F., tekin.red.

[Electric machines: types of electric machines] Elektricheskie machiny: vidy elektricheskich machin. Moskva, 1960. 26 p. (Sbornik rekomenduemych terminov, no.52). (KIRA 13:4)

1. Akademiya nsuk SSSR. Komitet tekhnicheskoy terminologii. (Electric machinery)

NITUSOV, Ku. Ye., inchener.

Arrangement of an electromagnetic vibrator. Elektrichestvo no.5:
81-84 My '56. (NITA 9:8)

1. Noskovskoye vysshaye tekinicheskoye uchilishche imeni Baumana.

(Vibratore)

NITUSON, YU.YE.

135-10-2/19

AUTHORS:

Bratkova, O.N., Candidate of Technical Sciences; Nitusov, Yu.

Ye., Engineer, and Bachelis, I.A., Engineer

TITLE:

A New Contact Machine with Stored Energy (Novaya kontaktnaya

machina s nakopleniýem energii)

PERIODICAL:

Swarochnoye Proizwodstvo, 1957, No 10, pp 7-9 (USSR)

ABSTRACT:

The new contact welding machine is a welding transformer designed collectively, by the three inventors (authors' certificate No. 106207) at the Chair "Electrical Engineering and Electrical Equipment" of MVTU imeni Bauman. The essence of the design consists of a movable central core rigidly connected with resilient elements (these were springs in the experimental unit shown by Figure 1) which contract under the pressure exerted by the core when current passes through the transformer windings. In this way, energy is stored in the magnetic field and in the springs. When the primary circuit is interrupted, the magnetic field weakens and the springs repel the core, whereby a portion of the energy stored in the springs is transferred into the welding circuit. The article includes a mathematical analysis of the system. The work by A.I. Moskvitin (1) was utilized by the authors in their investigation of

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in a figuralizat sinks plant minister from Province (s.

1.4.1

A New Contact Machine with Stored Energy

135-10-2/19

the processes connected with the movements of the core. The conclusions are made that the system stores and gives into the welding circuit 1.5 tp 2 as much energy as a transformer with a stable core (at equal mass of material used for building the transformers). It enables control of the welding current impulse shape and the speed of energy increase which is converted into welding heat between the electrodes. It decreases considerably the arc formation on the contacts being led apart, and results in better uniformity of quality of the welding spots, which eliminates a serious drawback of existing machines which store energy in the magnetic field alone.

There are 5 diagrams and 4 references, all of which are Russian

ASSOCIATION: MVTU imeni Bauman.

AVAILABLE: Library of Congress

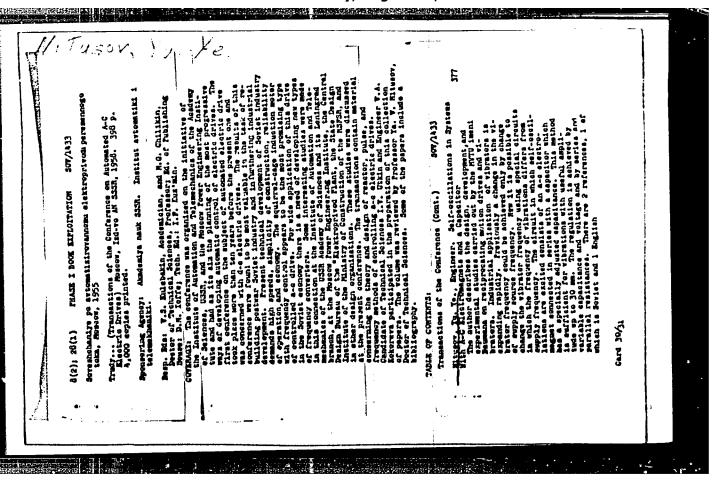
Card 2/2

### "APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001137.

NITUSOV, Tu. Yo., Cand feel Joi-(sire) "Taker tical and a perimental attidy of an electron graphs vibrator with contemer." Ica, 105°.

17 pr with drawings (kin of Nigher Education VE.R. Ver Cader of Leafured Cand Crear of Labor Red E mar Higher feel behaved in Brunes), 130 co.ica (NI 45558,148)

-6-



## NITUSOV, Yukla, kand tekhn nauk

Network for increasing the initial traction force of an electromagnet. Elektrichestvo no.4:58-60 Ap '63. (MIRA 16:5)

1. Moskovskoye vyssheye tekhnicheskoye uchilishche imeni Baumana. (Electromagnets)

TOLOKHOV, O.A., kand.tekhn.mauk; NITUSOV, Yu.Ye., kand.tekhn.mauk; REKUS, G.G., kand.tekhn.mauk; CHIRKOV, M.T., inzh.

An a.c.drive system for driving micels of an automobile trais.

Izv.vys.ucheb.zav.; mashinostr. no.7:133-136 '63. (MIRA 16:11)

1. Moskovskoye vyssheye tekhnicheskoye uchilishche imeni Baumans.

NITZE, L., Cand Biol Sci -- (diss) "Nitrogen-fixation activity play of tuber the bacteria in the pea and vetch and dynamics of nitrogen accumulation in leguminous plants." Mos. 1958. 20 pp. (Mos Order of Lenin Agri Acad im K. A. Timiryazev), 110 copies. (KL, 9-58, 116)

- 50 -

# "APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001137

HITTZEHGENDLEH, J.P., KOROTKOV, A. A., and KRASULIHA, V. H.

"Polymerization of Methylacrylate with butyl-lithium," a paper presented at the 9th Congress ont⊇h Chemistry and Physics of High Polymers, 28 Jan-2 Feb 57, Moscow, Polymer Research Inst.

B-3,084,395

### "APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001137

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"Polymerization of chloroprene and vinylalkylethers," a paper presented at the 9th Congress on the Chemistry and Physics of High Polymers, 28 Jan-2 Feb 57, Moscow, Polymer Research Inst.

B-3,084,395

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Correlation between the immunological level of the population and the circulation of C. diphtheriae during the stage of diphtheria eradication. Arch. Roum. path. exp. microbiol. 23 no.4:1053-1060 D '64.

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l. Centre sanitaire, Service anti-epidemique, Bucarest (for Calomfiresco, Wolski), Laboratoire Central de Bacteriologie I.S.I.P.M., Bucarest (for Grigoriu, Badulesco, Peaha, Ionesco, Nitzoulesco).

#### NITZSCHE, S.

Ten years of silicon alloys in the German Federal Republic. Tworzywa wielkoczast 6 no.10:334-335 0 '61.

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Evolution of the parasite Hymenolepis diminuta. p. 1557. Academia Republicii Populare Romine. COMUNICARILE. Bucuresti. Vol. 5. no. 10. Oct. 1955.

SOURCE: East European Accessions List (EEAL) Library of Congress, Vol. 5, no. 9, Sept. 1955

NITZULESKOV

RUMANIA/Zooparasitology - Parasitic Worms.

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: Ref Zhur - Biol., No 3, 1958, 10057

Author

Inst

Nitzulesku, Soresku, Panaitesku

Title

: Conditions Necessary for Development of Ascaris and

Trichocephalus Eggs.

Orig Pub

: Acad. RPR, 1956, 7, No 3-4, 553-561

Abstract

: Observations of egg development in Petri dishes with an agar nutrient medium showed that the development at 200 is better than that at 29 and 37°. Eggs on thicker media (2% agar) develop more rapidly than on thinner ones (0.2% agar). 100% humidity favors development of Trichocephalus eggs, but limits development of Ascaris eggs.

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