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CIA-RDP86-00513R0004111100

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CIA-RDP86-00513R00041111002

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CIA-RDP86-00513R00041111002

L 33344-66 EWP(k)/T/EWP(w)/EWP(t)/ETI ID/HW  
 ACC NR: AP6024579 SOURCE CODE: RU/0017/65/000/005/0233/0240  
 (UR)  
 AUTHOR: Bornstein, M. L.--Bornshteyn, M. (Doctor; Professor); Dragan, M.--Dregan, M.  
 (Engineer)  
 ORG: Institute of Steels and Alloys, Moscow  
 TITLE: Thermomechanical treatment of hot rolled tubes  
 SOURCE: Metallurgia, no. 5, 1965, 233-240  
 TOPIC TAGS: metal tube, tempering, metal property, metal recrystallization  
 ABSTRACT: Thermomechanical treatment of tubes at high temperatures followed by tempering at low temperatures ensures a number of valuable mechanical properties. The authors describe their comparative tests of various means of administering such treatment, and point out that the effect of hot working is extremely long-lasting, not being completely removed even after coalescence recrystallization. Orig. art. has: 6 figures and 3 tables. [Based on authors' Eng. abst.]/JPRS/  
 SUB CODE: 13, 11 / SUBM DATE: none / ORIG REF: 001 / SOV REF: 018  
 OTH REF: 002

Card 1/1 JS

UDC: 621.785/.787:621.774.35  
 5915 22/2

DRAGAN, N.F.

Pressing of crown bricks by a moist process. Ogneupory 26 no.3:  
132-136 '61. (MIRA 14:4)

1. Konstantinovskiy ogneuporny zavod "Krasnyy Oktyabr'."  
(Refractory materials) (Machine molding (Founding))

RASCANU, V., acad.; ROTARU, C.; STEFAN, I.; DRAGAN, Paula

Contributions to the study of the biochemical changes in the blood during hemorrhagic collapse and resuscitation. Rumanian M Rev. no.1: 233-234 Ja-Mr '61.

1. Laboratory of Physiology of the Jassy Institute of Medicine.  
Director: Acad. Dr. V. Riscanu.

(HEMORRHAGE experimental) (SHOCK experimental)  
(BLOOD chemistry) (RESUSCITATION blood)

BULBUCA, I.; CHIOVSCHI, Veronica; DRAGAN, P.; PORSEHE, T.

A new treatment in uratic lithiasis of the kidney. Rumanian med.  
rev. no.8:67-71 '62.

(KIDNEY CALCULI)



POP, S., dr.; SCHNEIDER, F., dr.; LEUCA, V., dr.; DRAGAN, P., dr.

Sparteine sulfate in the treatment of cholecystatony. Med. intern.  
15 no.3:333-340 Mr '63.

1. Lucrare efectuata in Institutul de medicina, Timisoara.  
(GALLBLADDER DISEASES) (SPARTEINE)

*DRAGAN, SILVIA*

ROMANIA

MARCULESCU, T., Lecturer; WASSERMAN, L., MD; SCHNEER, J. H., MD;  
DRAGAN, Silvia, MD.

Pediatrics Section of the Clinic of the Children's City Hospital  
and the Institute of Medical Research of the Academy of the  
R.P.R., Iasi Branch (Sectia de Pediatrie a Spitalului clinic  
orasenesc de copii si Institutul de Cercetari Medicale al  
Academiei R.P.R., Filiala Iasi) - (for all)

Bucharest, Viata Medicala, No 3, 1 Feb 63, pp 161-167.

"Study of two Cases of Dubin-Johnson's familial Jaundice."

(4)

DRAGAN, Viorica

COUNTRY : Rumania  
 CATEGORY : Meadow Cultivation. L  
 REC. JOUR. : RNNHOL, No. 1959, No. 15520  
 AUTHOR : Obrejaanu, G.; Hones, M.; Valca, C.; Mazia, I.;  
 INST. : Cadrion, St.; Neamtu, I.; Textor, Dora;  
 TITLE : Cluj Affiliate, AS RPH  
 : Increased Fertility in Natural Meadows of  
 : Western Mountains (Rumania).  
 ORIG. PUB. : Studii si cercetari agron. Acad. RPH Fil. Cluj.  
 : 1957, 8, No.1-2, 99-116  
 ABSTRACT : No abstract.

1/1  
 CARD: \*Dragan, Viorica

DRAGAN, V. S., CAND MED SCI, "FUNCTION OF RESPIRATION  
AND BLOOD CIRCULATION IN THERAPEUTIC PNEUMOTHORAX." KHAR'-  
KOV, 1961. (MIN OF HEALTH UKSSR, KHAR'KOV STATE MED INST).  
(KL, 3-61, 231).

DRAGAN, V.S.; SOKOL, V.G.

Respiratory and blood circulation functions in disseminated  
pulmonary tuberculosis. Zdravookhranenie 6 no.5:44-48 S-0'63  
(MIRA 16:12)

1. Iz kafedry ftiziatrit (zav. - dotsent V.G. Sokol) Kishi-  
nevskogo meditsinskogo instituta.

TAL'YANSKIY, I.I.; BILLEN'KIY, B.F.; DRAGAN, Y.G.P.

Contribution to the theory of neutron logging. Prikl.geofiz. no.25:  
223-233 '60. (MIRA 13:6)  
(Oil well logging, Radiation)

DRAGAN, Ya. P.

16.8000

21369  
S/021/61/000/012/006/011  
D251/D305

AUTHORS: Drahan, Ya. P., and Mykhaylovs'kyi, V. M., Corresponding Member AS UkrSSR

TITLE: On a case of amplitude error of sampling

PERIODICAL: Akademiya nauk Ukrayins'koyi RSR. Dopovid1, no. 12, 1961, 1578-1582

TEXT: The authors attempt a generalization of the earlier result of A. A. Bragin, V. N. Mikhaylovskiy and A.N. Svenson (Ref. 2: Avtomat. kontrol' i izmerit tekhn, Izd-vo AN USSR, 1, 129, (1957)), for the telemetric case well-known in practice, where the sensor is fed by a sinusoidal load and the sinusoid modulated by the amplitude is sampled. The relative error of sinusoidal sampling is given by

$$\delta(\Delta) = \frac{\langle s(t) \rangle_{c \max} - \langle s(t) \rangle_{c \min}}{\langle s(t) \rangle_{c \max}} \quad (7)$$

Card 1/4

21369  
S/021/61/000/012/006/011  
D251/D305

On a case of amplitude ...

and it is shown that  $\delta(\Delta)$  is related to the sampling duration  $\Delta$ , the ratio of sampling frequency  $F$  to sampled frequency  $f$ , and the number of average rectified pulses  $n_c$ ,

$$\delta(0) = 2\sin^2 \omega \frac{\tau}{2v} = 2\sin^2 \frac{\pi f}{2vF} = 2\sin^2 \frac{\pi}{4n_c} \quad (9)$$

$$\begin{aligned} \delta(\Delta) &= \frac{2\sin \omega \frac{\tau}{4v} \left[ 1 - P\left(\frac{\Delta v}{\tau}\right) \right] \cos \omega \frac{\tau}{4v} \left[ 1 + P\left(\frac{\Delta v}{\tau}\right) \right]}{\sin \omega \frac{\tau}{2v} P\left(\frac{\Delta v}{\tau}\right) + E\left(\frac{\Delta v}{\tau}\right) \sin \omega \frac{\tau}{2v}} \\ &= \frac{\text{rep}_{\frac{\tau}{v}} \delta_1(\Delta)}{\text{rep}_{\frac{\tau}{v}} \delta_1(\Delta)} \sim \frac{\sin \omega \frac{\tau}{2v}}{E\left(\frac{\Delta v}{\tau}\right)} \\ &= \frac{1 + E\left(\frac{\Delta v}{\tau}\right) \frac{\sin \omega \frac{\tau}{2v}}{\sin \omega \frac{\tau}{2v} P\left(\frac{\Delta v}{\tau}\right)}}{E\left(\frac{\Delta v}{\tau}\right)} \end{aligned}$$

Card 2/4



On a case of amplitude ...

21369  
S/021/61/000/012/006/011  
D251/D305

*where*

$$\delta_1(\Delta) = 2 \sin^2 \omega \frac{\tau}{4v} - \sin \omega \frac{\tau}{2v} \operatorname{tg} \omega \frac{\Delta}{4} = \frac{2 \sin \frac{\pi}{4n_s}}{\cos \frac{\Delta v \pi}{\tau 4n_s}} \sin \frac{\pi}{4n_s} \left(1 - \frac{\Delta \tau}{\tau}\right),$$

$$\Delta < \frac{\tau}{v} \quad (10)$$

$$\left(\frac{F}{f}\right)_{\min} = 2 \left[1 + \frac{1}{v} R\left(\frac{F}{2f}\right)\right], \quad \gamma = \frac{1}{v}, \quad \Delta = \frac{\pi}{(v+1)\omega} \quad (12)$$

The case of ideal transmission,  $\delta(\Delta) = 0$ , may be found from

$$\delta\left(j \frac{\tau}{v}\right) = 0 \quad (j = 1, 2, \dots, v) \quad (8)$$

The result derived is compared with the V. A. Kotel'nikov theorem. There are 4 Soviet-bloc references.

Card 3/4

On a case of amplitude ...

21369  
S/021/61/000/012/006/011  
D251/D305

ASSOCIATION: Instytut mashynoznavstva ta avtomatyky AN URSR  
(Institute of Machine Science and Automation AS  
UkrSSR)

SUBMITTED: June 15, 1961

Card 4/4

DRAGAN, Ya.P.; MIKHAYLOVSKIY, V.N.

Amplitude error of time discrete signals. Vop. pered. inform. 1:  
7-24 '62. (MIRA 16:6)

(Information theory)

DUBROV, Ya.A.; DRAGAN, Ya.P.

Generalized readout theorem and an ideal filter, Vop. pered. inform.  
1:25-31 '62. (MIRA 16:6)

(Information theory)

ACCESSION NR: AT4001243  
AUTHORS: Dragan, Ya. P.; Dubrov, Ya. A.; Mikhaylovskiy, V. N.  
s/2900/63/000/002/0005/0028

TITLE: Certain general properties of linear transformations  
SOURCE: AN UkrSSR. Insty\*tut mashy\*noznava i avtomaty\*ky\*. L'viv.  
Voprosy\* peredachi informatsii, no. 2, 1963, 5-28

TOPIC TAGS: linear transformation, linear information system, non-stationary processes, Sturm Liouville differential operator, operator expansion in eigenvalue

ABSTRACT: The purpose of the article is the derivation of a general mathematical formalism for the analysis of linear systems with variable parameters in response to nonstationary signals. A generalized shift operation corresponding to a second-order differential equation is introduced and its properties described. Expansions in eigenfunctions of a second-order operator are then treated and various general properties of the transformations defined by such an operator presented. It is claimed that the general properties are for the first time, since there is no systematic de-

ACCESSION NR: AT4001243

velopment of the theory of general spectral expansions in Hilbert space. The application of this formalism to analysis of linear information systems and other stationary processes will be treated in future articles. Orig. art. has: 36 formulas.

ASSOCIATION: Insty\*tut mashy\*noznavstva i avtomaty\*ky AN UkrSSR  
(Institute of Science of Machines and Automation, AN UkrSSR)

SUBMITTED: 20Feb62

DATE ACQ: 03Dec63

ENCL: 00

SUB CODE: CO

NO REF SOV: 0016

OTHER: 0023

Card 2/2

DRAGAN, Ya.P.

Some properties of functions with limited Fourier spectrum.  
Vop. pered. inform. 2:44-54 '63. (MIRA 16:12)





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**CIA-RDP86-00513R00041111002**

DUBROV, Ya.A.; DRAGAN, Ya.P., starshiy inzh.

Nonlinear transformations of a Brownian motion type random process.  
Vop. pered. inform. 3:21-27 '64. (MIRA 18:1)

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APPROVED FOR RELEASE: Friday, July 28, 2000

CIA-RDP86-00513R00041111002

DRAGAN, Ya.P. [Drahan, IA.P.]; DUBROV, Ya.A. [Dubrov, IA.O.]; MIKHAYLOVSKIY,  
V.M. [Mykhailovs'kyi, V.M.]

Theory of nonstationary random processes. Dop. AN URSR no.9:1162-1165  
'62. (MIRA 18:4)

1. Institut mashinovedeniya i avtomatiki AN UkrSSR. 2. Chlen-kor-  
respondent AN UkrSSR (for Mikhaylovskiy).

DRAGAN, Ya.P.; DUBROV, Ya.A.; MIKHAYLOVSKIY, V.N.

Spectral theory of some classes of random processes. Vop. pered. inform.  
3:7-20 '64. (MIRA 18:1)

1. Chlen-korrespondent AN UkrSSSR (for Mikhaylovskiy).

DRAGAN, Ya.P., starshiy inzhener; MIKHAYLOVSKIY, V.N.

Effectiveness of two-parameter phase-amplitude-pulse modulation. Vop.  
pered. inform. 3:28-40 '64. (MIRA 18:1)

1. Chlen-korrespondent AN UkrSSR (for Mikhaylovskiy).

L 39072-66 EWT(d)/FSS-2 GD

ACC NR: AT6021045

SOURCE CODE: UR/0000/65/000/000/0018/0045

AUTHOR: Dragan, Ya. P. (L'vov); Mikhaylovskiy, V. N. (Corresponding member AN UkrSSR; L'vov)

ORG: none

TITLE: On the possibilities of increasing transmission rate of discrete information through a limited band pass channel

SOURCE: AN UkrSSR. Metody otbora i peredachi informatsii (Methods of selecting and transferring information). Kiev, Naukova dumka, 1965, 18-45

TOPIC TAGS: information processing, data transmission, <sup>system</sup> pulse code modulation

ABSTRACT: The possibility of increasing the transmission rate of discrete information through a limited band pass channel is investigated, by trying out various kinds of codes under two performance criteria. Biorthogonal codes with constant and variable rates were considered. The performance criteria were: (1) the capacity (C) of a discrete channel (according to a basic theorem of Shannon)

$$C = \lim_{T \rightarrow \infty} \frac{\log N(T)}{T},$$

where  $N(T)$  is the number of allowed signals of duration  $T$ ; (2) the specific capacity

Card 1/2



39072-66

ACC NR: AT6021045

of the signal, defined as the maximal average information per unit of energy, per unit of effective band pass

$$\nu = \frac{\max I}{\Delta, W} = \frac{TC}{\Delta, W(T)}$$

where  $W(T)$  is the average energy of an input sequence of duration  $T$ , and  $L$  is the effective band pass. Of all the codes considered, the code with the highest transmission rate is a constant-rate, two-parameter code with nonuniform complementary time positions and uniform amplitude quantization. The phase-pulse modulated code was found to have the highest effectiveness of transmission of information, increasing with the increase of the number of signals  $N$ . Orig. art. has: 38 formulas, 4 figures, 2 tables.

SUB CODE: 09, <sup>17</sup><sub>12</sub>/ SUBM DATE: 20Nov65/ ORIG REF: 007/ OTH REF: 001

Card 212 PULP

DRAGAN, Ye. I.

YE. I. DRAGAN

USSR/Metallurgy - Welding, Production      Nov 52  
Methods

"Experiment of Arranging a Continuous Operation  
Line for Automatic Welding of Pipes and Floats  
for the Pulp Lines of Suction Dredges," Ye. I.  
Dragan, P. T. Medvedev, Engrs

Avtogen Delo, No 11, pp 4-6

Describes experience of Stalingrad Shipyard which  
builds superpower suction dredges for Kuybyshev  
and Stalingrad hydroelec power stas. Pulp convey-  
ing line of suction dredge represents a string of  
pipes 800 mm in dia supported by floats of 1300  
mm dia. Flow sheet of continuous operations is  
given and production procedure discussed. Con-  
cludes that continuous operation line is expedient  
method of fabricating even comparatively limited  
number of items.

266T37

DRAGANEL, T.

Certain procedure used to present problems. p. 262.

GAZETA MATEMATICA SI FIZICA. SERIA A.

Vol. 8, no. 5, May 1956

Rumania

Source: EAST EUROPEAN LISTS Vol. 5, no. 10 Oct. 1956

DRAGANEL, T.

Drawing in the instruction of solid geometry.

p. 357 (Gazeta Matematica Si Fizica) Vol. 9, no. 7, July 1957, Bucuresti, Rumania

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

DRAGANEL, T., lector

The contribution of the Institute of Perfecting the Teaching Staff in the modernisation of teaching mathematics in the secondary schools. Gaz mat fiz 14 no.5:262-267 My '62.

1. Institutul Perfectionarii Corpului Didactic, Iasi.

DRAGANEL, T., lector (Iasi)

A mistake of logic in mathematics manuals. Gaz mat fiz  
15 no. 8: 417-421 Ag '63.

1. Institutul perfectionarii cadrelor didactice.

DRAGANESCU, A., ing.

New principles for determination of tariffs of goods on the  
Rumanian railroads: Rev cailor fer 12 no.2:67-75 F '64

1/1

RUMANIA

~~DRAGANESCU, G.~~, Eng, of the "N. Balcescu" Agronomic Institute  
(Institutul Agronomic "N. Balcescu"), Bucharest.

"Systems of Animal Improvement."

Bucharest, Revista de Zootehnie si Medicina Veterinara, Vol 16,  
No 10, Oct 66, pp 23-30.

Abstract: The author summarizes the essential features of  
common animal improvement systems and plans and briefly  
discusses the main features that must be considered in de-  
vising an animal improvement program either for an individual  
unit or for the country as a whole.

Includes one table, 2 figures and 10 references, of  
which 4 Rumanian and 6 English-language.



GEAPOIU, Nichifor, prof. dr.; LUNCEIU, Mihai, prof.; DRAGANESCU, Gerdrea, ing.  
(Bucuresti)

Heterosis, theoretical and practical aspects. St. I. Natura Biologica  
16 no.6:9-17 N-D 1964.

1. Corresponding Member of the Rumanian Academy (for Gecpoiu).

CEAPOIU, Nichifor, prof. dr.; MANOLIU, Mihai, prof. univ.; DRAGANESCU,  
Condrea, ing. (Bucuresti)

Heterosis, theoretical and practical aspects. Pt. 2. Natura  
Biologie 17 no.1:15-22 Ja-F '65.

1. Corresponding Member of the Rumanian Academy (for Ceapoiu).

COSTACHEL, O.; DRAGANESCU, C.I.

Association of chemotherapy and surgery in the treatment of  
breast cancer. Neoplasma (Bratisl) 12 no.3:315-322 '65.

1. Institut Oncologique, Bucarest, Roumanie.

ROMANIA

~~DRAGANESCU, C. I., MD; GOGA-IONESCU, Silvia, MD; CSAP, C. P., MD;~~  
~~COPORAN, Rodica, MD.~~

Institute for Oncology, Bucharest (Institutul Oncologic,  
Bucuresti) - (for all); Director: Lecturer G. Costachel.

Bucharest, Medicina Interna, No 12, Dec 63, pp 1435-1438

"Results Obtained in two Cases of Severe Leukothrombopenia,  
with Haemorrhagi-parous Syndrome Occurring after Administration  
of Cytostatics, treated with Homologous Haematopoietic Tissue."

(1)

SANDULESCU, Maria, prof. (Bucuresti); CORNEA, Justin, prof.; SICLOVAN, I.,  
prof.; MANTA, I.; DRAGANESCU, Elena, prof. (Bucuresti);  
PIRCAIABESCU, G. (Bucuresti); VLADESCU, I., (Bucuresti); PORU, I.,  
prof.; DOBRESCU, Clara, prof.; MATEI, Nicolae; SAINER, Jeni;  
TINICA, Irina

Observations on the geometry manual for grade 6. Gaz mat fiz 15  
no.7:372-383 JI '63.

1. Societatea de Stiinte Matematice si Fizice, Subfiliala Arad  
(for Cornea, responsabilul colectivului). 2. Societatea de  
Stiinte Matematice si Fizice, Filiala Petroseni (for Siclovan,  
Manta). 3. Societatea de Stiinte Matematice si Fizice, Subfiliala  
Caransebes (for Poru, responsabil). 4. Societatea de Stiinte  
Matematice si Fizice, Filiala Constanta (for Dobrescu, Matei,  
Sainer, Tinica).

COSTACHEL, C.; DRAGANESCU, I.C.; DEMETRIU, Fl.

The treatment of cancer with large single doses of cytostatics under the protection of autologous bone marrow administration. Rumanian med. rev. no.8:77-86 '62.

(ANTINEOPLASTIC AGENTS) (BONE MARROW)

DRAGANESCU, Ioana, ing.

Research on hydrologic conditions of the Palazu Mare type of  
iron ore deposits. Rev min 12 no.8:357-363 Ag '61.

COSTACHEL, O.; DRAGANESCU, I.; MOGOS, I.; DEMETRIU, F. I.

Intra-arterial infusions with cytostatics in single massive doses under the protection of autogenous haematopoietic tissue in the advanced stages of cancerous diseases. Rumanian med. rev. 7 no. 3: 63-69 Ja-Mr '64.

\*



KOSTEKEL, O., doktor [Costachel, O.]; DREGENESKU, F.I. [Draganescu, I.];  
MOGOSH, I., doktor [Mogos, I.]; DEMETRIU, Fl.

Intra-arterial administration of large doses of cytostatics  
under the protection of bone marrow trasplantation in advanced  
cases of cancer. Vop.onk. 9 no.2:53-60'63. (MIRA 16:9)  
(MARROW--TRANSPLANTATION) (CANCER)  
(CYTOTOXIC DRUGS)

*DRAGANESCU, M.*

ROMANIA/Radio Physics - General

I-1

Abs Jour : Ref Zhur - Fizika, No 6, 1958, No 13730

Author : Draganescu M.

Inst : Not Given

Title : On the Idealized Treatment of Relaxation Oscillation Networks

Orig Pub : Bul. Inst. politehn. Bucuresti. 1956, 18, No 1-2, 231-244

Abstract : A discussion of the influence of small parasitic parameters on the character of processes in oscillating systems. Using an LCR tank circuit with a dynatron, the author shows that in the self-oscillation state it is possible to neglect the parasitic capacity of the dynatron, but in the non-self-oscillating state the capacitance of the dynatron plays a substantial role.

Card : 1/1

24

RUMANIA/Radio Physics - Propagation of Radio Waves.

I-

Abs Jour : Ref Zhur Fizika, No 3, 1960, 6537

field on the cathode. In the present work, the author investigated the effect of the phenomenon of the return of the electrons from the grid on the value of the amplification factor of the triode. Formulas are given for the plate current and for the amplification of the triode, taking this phenomenon into account.

Card 2/2

DRAGANESCU, M.

A simple demonstration of the expression of the equivalent potential of a triode with uniform electric field at the cathode and anode. p. 265.

AUTOMATICA SI ELECTRONICA. (Asociatia Stiintifica a Inginerilor si Tehnicienilor din Romania) Bucuresti, Rumania, Vol. 2, no. 7, Nov./ Dec. 1958

Monthly list of East European Accessions (EEAI) LC, Vol. 8, no. 8, Aug. 1959

Uncl.

DRAGANESCU, M.

The diode as a thermoelectronic generator. p. 266.

AUTOMATICA SI ELECTRONICA. (Asociatia Stiintifica a Inginerilor si  
Tehnicienilor din Romania) Bucuresti, Rumania, Vol. 2, no. 7, Nov./ Dec. 1958

Monthly list of East European Accessions (EEAI) LC, Vol. 8, no. 8, Aug. 1959

Uncl.

9(4)

RUM/2-11-9-1/42

AUTHOR: Drăgănescu, M., University Lecturer

TITLE: Electronic Tubes or Semiconductors?

PERIODICAL: Stiință și Tehnică, Seria a II-a, Vol 11, Nr 9, pp 2-5  
& 32 (RUM)

ABSTRACT: The author compares electronic tubes with transistors and gives a brief description of electronic tubes, semiconductors, diodes and transistors, explaining the amplifying effect of a transistor. One figure shows the Soviet " 6" transistor with the circuit diagram. The production of a transistorized radio, based on a prototype of the Institutul de cercetari electrotehnice (Electrical Engineering Research Institute), will be started by the Fabrica "Radio popular" (Plant) in 1959. Construction of transistors and of low value resistances and condensers will probably be started in Rumania in 1960. There are 7 figures and 1 table. ✓

Card 1/1

RUMANIA/Radio Physics - General Problems.

I-

Abs Jour : Ref Zhur Fizika, No 3, 1960, 6481

Author : Draganessu Minai, Stancu Gheorghe

Inst : -

Title : Proposals Concerning Terminology of Electronic Devices

Orig Pub : Automat. si electron., 1959, 3, No 2, 76-80

Abstract : The terminology project was proposed by the authors at the Conference on Communication Problems, held at Bucharest Polytechnic Institute on 18 -- 19 October 1958. It is based on the following classification of electronic devices. 1. Electronic tubes. A, Vacuum tubes. 1. Ordinary tubes (diodes, triodes, tetrodes, etc). 2. Electron beam tubes. a) Cathode rays tubes (oscilloscopes and oscillographs, electronic switches, tubes with charge storage, etc:). b) Transmitting television tubes (iconoscope, orthicon, vidicon, etc.). c) Generator microwave tubes (electrostatic -- klystron, reflex

Card 1/2

RUMANIA/Radio Physics - General Problems.

I-

Abs Jour : Ref Zhur Fizika, No 3, 1960, 6481

klystron, traveling wave tube, backward wave tube, etc.).  
3. Magnetrons (diode, with slotted anode, with resonant cavities etc.). B. Gas filled tubes. 1. Glow discharge (indicator, stroboscopic, stabilizers, thyratrons with cold cathode, etc.). b) With mercury cathode (mercury arc rectifiers, ignitrons, etc.). c) Counters (Geiger-Muller, proportional, etc.). C. Photoelectric devices (vacuum photocells, gas-filled photocells, photomultipliers, electro-optical converters). II. Semiconductor devices. 1. Diodes (point-contact, junction, etc., selenium rectifiers,  $Cu_2O$  rectifiers). 2, Transistors (triodes, tetrodes, spacistors, etc. 3. Photocells (photoresistances, photodiodes, phototriodes). 4. Variatrons (thermistors, etc.). 5. Detectors. III. Devices based on superconductivity -- cryotron. Bibliography, 28 titles.

Card 2/2

- 90 -



DRAGANESCU, H.

A new equivalent circuit for diodes at frequencies corresponding to  $\omega \leq 0.1\pi$  p. 61

REVUE DE PHYSIQUE (Academia Republicii Populare Romine) Bucuresti  
Vol. 4, no.1, 1959.

Monthly List of East European Accessions (EEAI) L C, Vol. 9, no. 2, <sup>Feb</sup> 1960

UNCL.

DRAGANESCU, M.

General condition for the abrupt increase of the inverse current of  
a p-n junction in the Zener region. Studii cerc fiz ll no.3:753-764  
'60. (EEAI 10:2)

(Transistors) (Diodes) (Silicon)

DRAGANESCU, M.  
SURNAME (in caps); Given Names

Country: Rumania

Academic Degrees: -Conf. Univ.-

Affiliation: -not given-

Source: Bucharest, Stiinta si Tehnica, No 7, Jul 1961, pp 18-19, 144.

Data: "Solid Circuits."

DRAGANESCU, M.

General conditions for the abrupt current rise in the Zener region of the p-n junction. Studii cerc fiz 12 no.4:801-803 '61.

DRAGANESCU, M.

Theory of the transistors at high-injection levels (dependence of the speed of surface recombination on the injection level in the region of the base of a transistor. Studii cerc fiz 12 no.4: 815-820 '61.

1. Institut politehnic, Bucuresti.

DRAGANESCU, M., conf. univ.

Solid circuits. St si Teh Buc 13 no 7:18-19, 44 J1 '61.

45762

24.7700

S/194/62/000/012/052/101  
D271/D308

AUTHOR: Draganescu, Mihai

TITLE: Contributions to the theory of the semiconductor triode at high injection levels

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika, no. 12, 1962, 16-17, abstract 12-4-32 kh (Bul. Inst. politehn. Bucuresti, v. 23, no. 1, 1961, 161-178 (Eng.; summaries in Rus., Fr. and Ger.))

TEXT: The theory is presented of a transistor operating in stationary conditions at high injection levels. Equations of continuity and of hole and electron currents are solved under the following assumptions: the life-span, mobility and diffusion coefficient are independent of injection level; surface recombination is not taken into account; common base charge is zero; there is no field strength gradient in the base; density of injected holes is substantially greater than the equilibrium hole density in the base. Density of excess carriers at the emitter edge of the base,  $p_1$ , is found from

Card 1/3

S/194/62/000/012/052/101  
D271/D308

Contributions to the ...

the condition  $p_1 \left(1 + \frac{p_1}{N}\right) = p_n e^{\frac{q U_e}{kT}}$ , where  $p_n$  is the equilibrium concentration,  $N$  - donor concentration in the base,  $U_e$  - voltage on the emitter junction,  $q$  - charge of an electron,  $T$  - absolute temperature,  $k$  - Boltzmann constant. It is proposed to substitute for the usual boundary condition for the collector edge of the base,  $p_2 = 0$ , the condition  $j_n = 0$  (for high injection levels). This condition means that electron current flowing through the collector junction has a density equal to 0. The dependence of the field in the base on the injection level is found: at low levels the field grows rapidly, at high levels the increase in field strength is slowed down. It is shown that the concentration of excess carriers along the base is about constant: current amplification in the common base configuration falls slowly as injection level increases. Surface recombination can explain, in general terms, the dependence of current amplification on emitter current; numerical discrepancies at low emitter currents are explained by bulk recombination.



Contribution to the ...

S/194/62/000/012/052/101  
D271/D308

nation in the region of emitter junction. 13 references. (Poli-  
tekhn. in-t, Bucharest, RNR (Polytechnical Institute Bucharest,  
Rumania)). /- Abstracter's note: Complete translation. /

Card 3/3

9.2580

R/005/62/000/002/003/004  
D014/D105

AUTHOR: Drăgănescu, M.

TITLE: Analysis of the operation of a transistor oscillator with "low" limitation

PERIODICAL: Telecomunicații, no. 2, 1962, 51-60

TEXT: The article presented at the scientific session of the Institutul politehnic (Polytechnic Institute) in Bucharest in December 1960, contains a theoretical and experimental study on a transistorized oscillator, operating under the following conditions: (1) the transistor is assembled in connection with the common base; (2) the circuit is tuned on the collector and the magnetic reaction on the emitter; (3) the collector and the emitter are fed by a constant voltage source; (4) the operation frequency is sufficiently low; and, (5) the limitation of the oscillation amplitude is obtained by attaining the cut-off condition of the transistor, this limitation being called "low" limitation. The author examines the oscillator expressed by an equation of the 3rd order and by an equation of the 2nd order. The equation of the 3rd order is used for determining the attenuation conditions and the amplitudes of the oscillations. In

Card 1/2

Analysis of the operation of ...

R/005/62/000/002/003/004  
D014/D105

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8

certain conditions, the equation of the 3rd order may be reduced to an equation of the 2nd order. The author proves theoretically and by experiments how much the attenuation conditions of the oscillations may deviate from case to case, and examines the conditions under which a "low" limitation of the oscillations might become possible. He also gives a method for predetermining the oscillation amplitude. The possibility of a "low" limitation depends on the selection of the static operation point. For this, the emitter current should be relatively weak and the load impedance on the collector should have a relatively low value. The type of limitation was established by oscillographing the shape of the collector current and measuring the alternating collector voltage. The experimental verification of the theoretical calculations was accomplished by an oscillator with a П13 A transistor, on a frequency of 440 cps. However, a thorough verification of the experimentally measured amplitude with the calculated amplitude was only possible, when the circuit and voltage elements had been determined with great accuracy. There are 12 figures and 1 table.

Card 2/2

R/005/62/000/003/003/006  
D014/D105

AUTHORS: Drăgănescu, M., Engineer, Instructor, and Nistor, Maria,  
Engineer

TITLE: Theoretical considerations on amplifiers compensated with  
negative capacitance

PERIODICAL: Telecomunicatii, no. 3, 1962, 107-116

TEXT: The article presents the theory of an amplifier compensated  
with negative capacitance, dealing in particular with an AN complex stage,  
consisting of a usual amplifier stage A, to the output of which a stage N  
has been connected. The compensation possibilities and the stability of  
the A stage in the presence of the N section are examined. Good operating  
conditions of the compensated stage were found to be in the vicinity of the  
maximally-flat condition. This amplifier was compared with an amplifier  
compensated with inductance to determine when the former was more advan-  
tageous. This analysis was carried out with an amplifier with n AN stages,  
each stage operating in maximally-flat conditions. A method of calculating

Card 1/2

Theoretical considerations on ...

R/005/62/000/003/003/006  
D014/D105

an amplifier with identical  $n$  stages, when the gain-band product of the electronic tube is known, is given. Conclusions: A negative capacitance compensation is more advantageous than an inductance compensation in very wide-band and high-amplification amplifiers. An AN cell was experimentally studied and the results compared with the theoretical conclusions. An amplifier with  $n$  AN cells was not studied experimentally, but its application possibilities were theoretically investigated. There are 13 figures. The references to English-language publications read as follows: P.R. Bell, "Negative capacity amplifiers", Radiation laboratory series, vol. 19, New York, Massachussets, Institute of Technology, 1949, p 767-771; V.H. Altree, "The neutralization of input capacitance of LF amplifiers." Electronic Engineering, 21, no 225, 1949, p 162. ✓

Card 2/2

DRAGANESCU, M., conf.ing.

Proposal of an inductive transistor. Telecommunicatii 6 no.4:169-  
170 JI-Ag '62.

DRAGANESCU, Mihai

A note about the validity of the equation  $i_c = \frac{Q_c}{T_c}$  describing  
the transistors by the load method. Automatica electronica  
6 no.3:121-124 My-Je '62.

44193

S/109/62/007/012/011/021  
D271/D308

9.4310

AUTHOR: Draganescu, M.

TITLE: Nonlinear equations of the charge control method for calculating transistor processes

PERIODICAL: Radiotekhnika i elektronika, v. 7, no. 12, 1962, 2062-2066

TEXT: Equations are derived for higher charge injection levels assuming that both the injection coefficient  $\gamma$  and carrier transport factor  $\beta$  depend on the injection level. Injection level is defined as  $\Delta = p_1/N$  where  $p_1$  is hole concentration in the base of a p-n-p transistor at the emitter junction boundary and  $N$  is donor concentration in the base with uniformly distributed impurities. Base charge is proportional to the concentration  $p_1$  and to injection level. Both  $\beta$  and  $\gamma$  are nearly equal to unity. The current equations include functions which can be determined on the basis of existing theories of high injection levels. Following the author's

Card 1/2



Nonlinear equations of ...

S/109/62/007/012/011/021  
D271/D308

previous paper (Buletinul Institutului Politehnic Bucuresti, v. 23, no. 1, 1961, 161) certain expressions are assumed for the dependence of  $f_B$  and  $f_J$  on injection level, and an equation is obtained for base current which is identical with that previously derived by Abdyukhanov, Berestovskiy and Kuz'min (Radiotekhnika i elektronika, v. 5, no. 3, 1960, 450), although they assumed that only the injection coefficient varies with injection level. There are 3 figures. X

SUBMITTED: September 30, 1961

Card 2/2

"APPROVED FOR RELEASE: Friday, July 28, 2000

CIA-RDP86-00513R0004111100

S/275/63/000/002/014/032

APPROVED FOR RELEASE: Friday, July 28, 2000

CIA-RDP86-00513R00041111002

On the diffusion capacitance ...

1/275/03/01/002/014/032

Card 2/2

DRAGANESCU, M.

The theory of the indusistor. Studii cerc fiz 14 no.5:627-646  
'63.

1. Catedra de tuburi electronice si tranzitoare, Institutul  
politehnic, Bucuresti.

L 33044-66

ACC NR: AP6024228

SOURCE CODE: RU/0005/65/000/003/0070/0076

AUTHOR: Draganescu, Mihai--Dregenesku, M. (Engineer; Lecturer; Candidate of technical sciences; Laureat of the State Prize; Editorial colleague); Samachisa, Gheorghe--Samakishche, G. (Engineer)

ORG: none

TITLE: Planar solid-state inductances

SOURCE: Telecommunicatii, no. 3, 1965, 70-76

TOPIC TAGS: transistor, electric inductance

ABSTRACT: The authors present a mathematical analysis of the inductive behavior of thin-film transistors connected as reactance transistors. The properties of their inductance are determined and some suggestions for optimizing them are presented. Orig. art. has: 14 figures and 61 formulas. [Based on authors' Eng. abst.] [JPRS]

SUB CODE: 09 / SUBM DATE: none / ORIG REF: 002 / OTH REF: 004

Card 1/1

UDC: 621.382.333:621.3.011.3

DRAGANESCU, Mihai, conf. ing., candidat in stiinte tehnice, laureat al Premiului  
de Stat; SMACHISA, Gheorghe, ing.

Plane solid inductances. Telecomunicatii 9 no.3:70-76 Mr '65.

DEREVICI, A.; SARATHANU, D.; PETRESCU, Al.; DRAGANESCU, N.;  
ERONITKI, Al.; ROTSCCHILD, L.; ISRAEL, M.

Antigenic correlations of strains of influenza virus isolated in  
the people's Republic of Rumania in 1953 and 1954. Stud. cercet.  
inframicrobiol., Bucur. 6 no.1-2:17-24 Jan-June 55.

1. Institutul de inframicrobiologie al Academiei R.P.R. si  
organele de teren ale Ministerului Sanatatii.

(INFLUENZA VIRUS

strains isolated in Rumania, antigenic correlations)

(ANTIGENS AND ANTIBODIES

antigenic properties of strains of influenza virus  
isolated in Rumania)

*DRAGANESCU, N.*  
DEREVICI, A.; SARATEANU, D.; BRONITKI, A.; PETRESCU, A.; ROTHSCHILD, L.;  
DRAGANESCU, N.; SATMARI, C.; PETRUSCA, J.; STANCU, A.; TIMERMAN, A.;  
~~PIROBCE, M.~~

Dynamics of serum antibodies against influenza in children and adults vaccinated with autochthonous vaccine; role of non-specific excitants. Stud. cercet. inframicrobiol., Bucur. 6 no.3-4:429-441 July-Dec. 1955.

(INFLUENZA, prev. & control

vacc. with autochthonous vaccine, behavior of serum antibodies, in child. & adults)

(ANTIGENS AND ANTIBODIES

influenza antibody form. after various methods of vacc. with autochthonous vaccine, in child. & adults)



DEREVICI, A.; SARATEANU, D.; PETRESCU, Al.; ~~DRAGANESCU, N.~~; BRONITKI, Al.;  
ROTHSCHILD, L.

Further data on the natural variability of the influenza virus  
studied in the Rumanian People'd Republic in 1954. Stud. cercet.  
inframicrobiol., Bucur. 7 no.1-2:65-76 Jan-June 56.

(INFLUENZA VIRUS

adaptability & pathogenicity for mice & hemagglut.  
properties of strains isolated in Rumania, variability)

RUMANIA/Human and Animal Morphology - Normal and Pathological. S  
Anomalies of Development and Pathological Anatomy

Abs Jour : Ref Zhur Biol., No 11, 1958, 50436

Author : Marinescu, G., Sarateanu, D., Fuhrer, B., Draganescu  
N., Samuel, I., Ionescu, M., Cojocaru, V.

Inst : Rumanian Academy

Title : Pathomorphological Picture of Experimental Influenza in  
Suckling Mice

Orig Pub : Studii si cercetari inframicrobiol., microbiol. si para-  
zitol. Acad. RPR, 1956, 7, No 1-2, 77-92

Abstract : The experimental animals (60 suckling mice, 70 adult mice,  
48 suckling rats and 49 adult rats) were infected either  
with the virus of influenza A or with the same virus and  
and pathogenic bacteria (Hemophilus influenzae, pneumococ-  
cus, staphylococcus). The virus of influenza caused a

Card 1/2

- 53 -

RUMANIA/Human and Animal Morphology - Normal and Pathological. S  
Anomalies of Development and Pathological Anatomy

Abs Jour : Ref Zhur Biol., No 11, 1958, 50436

more acute form of disease in sucklings than in adult animals. This was expressed by more rapid development of infection, greater lethality and more marked morphological changes. When other microorganisms were added, especially H. influenzae, a more severe anatomicoclinical picture of disease developed; in many cases, sepsis occurred. In view of the appearance of multiple affections in the infected animals, the authors assume the existence in the virus of influenza, apart from tropism to the epithelium of the respiratory organs and endothelium of the capillaries, also of other kinds of tropism (neuro-, hepato-, lympho-, myocardiotropism, etc.).  
-- N. Mastjukova

Card 2/2

DEREVICI, A.; DRAGANESCU, N.

Data on the use of precipitation reaction in diagnosis of influenza as compared with the hemagglutination inhibition reaction. Stud. cercet. inframicrobiol., Bucur. 7 no.3-4: 321-325 July-Dec 56.

1. Comunicare prezentata in sedinta Institutului de inframicrobiologie al Academiei R.P.R.

(INFLUENZA, diagnosis  
precipitation test & hemagglut. inhib. reaction,  
comparison)

(HEMAGGLUTINATION  
hemagglut. inhib. test for influenza, comparison with  
precipitation test)

*DRAGENESCU*

RUMANIA/Virology - Human and Animal Viruses.

E-3

Abs Jour : Ref Zhur - Biol., No 3, 1958, 9666

Author : Nikolau, Dregenesku

Inst : -

Title : Behavior of Some Colloidal Systems under Electrodialysis.  
I. The Action of Some Heavy Metals on Viruses.

Orig Pub : Studii si cercetari inframicrobiol., microbiol. si parazitol. Acad. RFR, 1956, 7, No 3-4, 413-421

Abstract : Grippe viruses, Avesky disease and poliomyelitis (Lansing type) were inactivated by ions of gold, platinum, and copper. The authors established the concentration of adsorbed ions by physical methods. Grippe virus, inactivated by electrodialysis, immunized mice.

Card 1/1

DRAGANESCU, N.

Some serological aspects of several human and animal syndromes caused by pathogenic agents situated at the lower limit of rickettsiae. Stud. cercet. inframicrobiol., Bucur. 8 no.1:134-137 1957.

(RICKETTSIAE

neo-Rickettsiae, pathogenicity for animals & humans & immunol. aspects)

~~ESCU, N.~~ DRAGANESCU, N.

DERZVICI, A.; PETRUSCU, A.; ROTHSCHILD, L.; BRONITKI, A.; SARATEANU, D.; DRAGANESCU, N.

Comparative study of the dynamics of anti-influenza serum antibodies and of the influenza strains in the Rumanian People's Republic in the period 1954-1955 1957. Stud. cercet. inframicrobiol., Bucur. 3 no.139-48 1957. (INFLUENZA VIRUSES

strains isolated in Rumania)

(INFLUENZA

epidemiol. in Rumania & dynamics of serum antibodies)

(ANTIBODIES

influenza antibodies in Rumanian population, dynamics)

RUMANIA / Virology. Human and Animal Viruses. Influenza Virus. E-3

Abs Jour : Ref Zhur - Biol., No 18, 1958, No 81250

Authors : Sarateanu, D.; Draganesu, N.

Inst : Not given

Title : A Comparative Study of Some Serological Methods in Influenza  
Diagnosis.

Orig Pub : Studii si cercetari inframicrobiol., microbiol. si parazitol.,  
1957, 8, No. 3, 369-378.

Abstract : No abstract given.

Card 1/1



RUMANIA/Pharmacology - Toxicology - Tranquillizers.

V

Abs Jour : Ref Zhur Biol., No 4, 1959, 18536

Author : Cajal, N., Manouliu, N., Draganescu, N.

Inst : -

Title : The Course of Experimental Grippe in Mice, Treated with  
Largactyl.

Orig Pub : Studii si cercetari inframicrobiol., microbiol. si para-  
zitol., 1957, 8, No 4, 503-506

Abstract : Largactyl, introduced to mice with experimental grippe,  
prolongs the incubation period of the disease, but only  
insignificantly reduces the death rate of the animals.  
-- From the author's resume

Card 1/1

COUNTRY	: RUMANIA	E
CATEGORY	:	
ABST. JOUR.	: Mzhbiol., No. 1955, No 9941	
AUTHOR	: Draganesu, St., Sarateanu, D., Draganesu, N.	
INST.	: --	
TITLE	: Complement-Fixation Reaction with Virus of Tick-Borne Encephalitis (Prague Antigen) in Various Forms of Pseudencephalitis	
ORIG. PUB.	: Neurol., psychiatr., neurochirurg., 1955, 3, No 2,	
ABSTRACT	: 163-166 No abstract.	
Card:	1/1	

EXCERPTA MEDICA Sec 8 Vol 13/5 Neurology May 60

2263. DIFFUSE NEOPLASTIC PROCESSES SIMULATING ENCEPHALITIS -  
Proces neoplasmatic difuz cu aspecte encefalitice - Drăgănescu St.  
Voinescu S., Petrescu Ar. and Drăgănescu N. - STUD.  
CERCET. NEUROL. 1958, 3/4 (375-385) Mus. 16

The anatomical and clinical study of a case with the clinical diagnosis of pseudo-tumoral encephalitis is presented. The disease started with fever and headaches. After 1 month, disturbances in walking and speech, somnolence and psychical disorders were noticed. Neurological examination disclosed a state of obtundation, with somnolence and apathy, left hemiparesis, bilateral grasping, and stiffness of the neck without Kernig's sign. The papillary borders presented oedema. A frontal abscess was supposed. After ventriculography, the diagnosis of pseudo-tumoral encephalitis was established. Morphological examination revealed a process of generalized meningeal and cerebrovascular sarcomatosis with con-

SARATEANU, D.; DRAGANESCU, N.

Experimental infection of cotton rats with a neorickettsial agent isolated from a case of human atypical pneumonia. Acta virol. Engl. Ed., Praha 3 no.1:46-50 Jan 59.

1. Institute of Virology, Academy of the Rumanian People's Republic, Bucuresti.

(PNEUMONIA, PRIMARY ATYPICAL, microbiol.

exper. infect. of cotton rats with neorickettsial agent isolated from case of human atypical pneumonia)

(RICKETTSIAL DISEASES, exper.

infect. of cotton rats with neorickettsial agent isolated from case of human atypical pneumonia)

NICOLAU, St.S.; DRAGANESCO, N.; NICOLAU, Cl.S.; FUHRER, B.; GIRD, E.;  
IONESCU, N.I.

A new type of anti-rabies vaccine; investigations into the migration of the vaccine virus in the animal organism by means of radioactive substances. Acta virol. Engl. Ed., Praha 3(Supplem.): 91-96-1959.

1..Institute of Inframicrobiology, Academy of the Rumanian People's Republic, Bucharest.  
(RABIES, immunology)

DRAGANESCU, St., assist. prof.; COMAN, V. Petrescu, assist. prof.; PAUN,  
Florica; DRAGANESCU, N.; PETRESCU, A.

Clinical and electroencephalographic patterns and diagnosis  
in influenza encephalitis of the suckling and infant. Rumanian  
M. Rev. 3 no. 4:33-35 O-D '59.  
(INFLUENZA, complications)  
(ENCEPHALITIS, in inf. & childh.)  
(ELECTROENCEPHALOGRAPHY)

DRAGANESCU, N.

On the susceptibility of Syrian hamster to tick-borne encephalitis  
virus isolated the the R.P.R. Studies on pathomorphological change.  
Stud. cercet. inframicrobiol., Bucur. 11 no.2:287-291 '60.  
(ENCEPHALITIS EPIDEMIC exper.)

HUNG, T.; DRAGANESCU, N.

Experimental studies on molluscum contagiosum. Stud. cercet. infra-  
microbiol., Bucur. 11 no.2:293-299 '60.  
(MOLLUSCUM CONTAGIOSUM exper.)



MARINESCU, G.; SARATEANU, D.; DRAGANESCU, N.

Experimental morphopathology in neorickettsial infection in animals.  
Studii cerc inframicrobiol Special issue-supplement to 12:229-233  
'61.

1. Institutul de inframicrobiologie al Academiei R.P.R. 2. Membru  
al Comitetului de redactie, "Studii si cercetari de inframicrobio-  
logie" (for Sarateanu).

(VETERINARY MEDICINE) (RICKETTSIAL DISEASES)

DRAGANESCU, N.

The presence of inclusions in new-born mice infected with the tick-berne encephalitis virus isolated in the R.P.R. Rev. sci. med. 6 no.1/2:37-40 '61.

(ENCEPHALITIS virology)

DRAGANESCU, H. ✓  
SOURCE (in caps); Given Name

Country: Rumania

Academic Degrees: -not given-

Affiliation: -not given-

Source: Bucharest, Comunicarile Academiei Republicii Populare Romine,  
Vol 11, No 6, 1961, pp 739-743.

Data: "Experimental Studies on the Behavior of the Autochthonic Stump  
of Tick Encephalitis on the Fertilized Chicken Egg."

NICOLAU, St.S., academician; DRAGANESCU, H.; CIEN TIN HUAI

Experimental investigations of the effectiveness of the anti-encephalitis vaccine (tick encephalitis) prepared with silver ions. Stud. cercet. inframicrobiol. Bucur. 12 no.1:9-17 '61.

1. Comunicare prezentata la Institutul de indramicrobiologie al Academiei R.P.R.  
(ENCEPHALITIS, EPIDEMIC immunology)