

STOICHITA, S., dr.; GHEORGHESCU, B. dr.; BOICESCU, Lidia, dr.; STECLAGI, A.  
ing.; DEBAU, M., dr.; MARINESCU, Eliza, dr.; GAVRILA, I. dr.;  
GAVRILA, D. dr.; BROSTEANU, E. dr.; SAFIRESCU, T., dr.

Contribution to the study of digestive disorders in scleroderma.  
Med. intern. (Bucur.) 16 no. 4: 441-452 Ap'64.

1. Clinica a V-a medicala a Spitalului unificat de adulti al  
Raionului Gr. Rosie din Bucuresti.

\*

GHEORGHESCU, B., dr.; BRASIA, I., dr.; MERCULIEV, E., fiz.; STECLACI, A., ing.

Value of the scintigraphic method for diagnosis of hepatic  
hydatid cysts. Med. intern. (Bucur.) 16 no.4:453-460 Ap'64.

1. Clinica a V-a medicala a Spitalului unificat de adulti al  
Raionului Gr. Rosie din Bucuresti.

\*

GHEORGHESCU, B., dr.; PAVEL, D., dr.; LILIS, M., dr.; OPRICIU, Al., dr.;  
MERCULIEV, Elena, fizician; POPOVICI, M., ing.

Diagnostic value of isotope nephrograms with hippuran-I 131.  
Med. intern. (Bucur.) 16 no.8:941-950 Ag '64.

1. Lucrare efectuata in Clinica a V-a medicala, Institutul medico-  
farmaceutic, Bucuresti (director: prof. T. Spirchez).



SPIRCHEZ, T., prof.; GINGOLD, N., dr.; GHEORGHIESCU, B., dr., MERCULEW,  
Elena

The value of investigations with radioactive isotopes in the  
diagnosis of some blood diseases. Med. intern. (Bucur.) 17  
no.1:1-13 Ja '65

1. Lucrare efectuata in Clinica medicala a Spitalului unificat  
de adulti al Raionului "Grivita Rosie", Bucuresti.

GHEORGHESCU, B.; PAVEL, D.; LILIS, M.; OPROIU, Al.; MERCELIU, Elena,  
POPOVICI, H.

The diagnostic value of the hippuran  $I^{131}$  isotopic nephrogram.  
Rumanian med. rev. 19 no.1:35-43 Ap-Je'65.

SPIRCHIZ, T., prof.; GHEORGHESCU, B., dr.; BRASIA, I., dr.;  
MERCULIEV, Elena, fiz.; IONESCU, A., dr.; POPESCU, Mariana, dr.

The value of absorption tests with radioisotopes in patients  
with intestinal resection. Med. intern. 15 no.8:943-948  
Ag '63.

1. Lucrare efectuata in Clinica a V-a medicala a Spitalului  
"V. Roaita", I.M.F. Bucuresti (director: prof. T. Spirchez).  
(GASTROENTEROLOGY) (SURGERY, OPERATIVE)  
(INTESTINES) (PHYSIOLOGY)  
(RADIOISOTOPE SCANNING)

GHEORGHIESCU, Constantin, ing.; LUCIAN, Vlad, ing.

Modern equipment and technology in footwear industry. Industria usoara  
8 no.9:340-351 S '61.

(Shoe industry)



GHEORGHIADU, T.

ILIESCU, C. C., Prof.; KLEINERMAN, L., Conf.; RATIU, O., dr.;  
PANTZER, M., dr.; GUTA, G.; EFRAIM, M., dr.; ROLAND, F., dr.;  
GHEORGHIADU, T., dr.; LECCA, S., lab.

Cardiac catheterization in congenital cardiovascular defects.  
Med. int., Bucur. 8 no.3:339-359 July 56.

1. Lucrare efectuata in Clinica a III-a medicala I.M.F.  
Bucuresti.

(CARDIOVASCULAR DEFECTS, CONGENITAL, diagnosis  
cardiac catheterization)

(CATHETERIZATION, CARDIA, in various dis.  
cardiovascular defects, congen.)

COUNTRY : Rumania  
CATEGORY :  
ABS. JOUR. : RZhKhim., No. 22 1959, No. 79115  
AUTHOR : Lascușian, M.  
TITLE : Purification of  $N_2$  (Oxidation of  $N_2$  to  $N_2O$  and Ammonia from Traces of German Dioxide) by the Use of Ammonia Solution (Instead of Sodium Hydroxide)  
ORIG. PUB. : Rev Chim (PRR), 10, No 9, 149-150 (1959)  
ABSTRACT : The application of  $NH_3$ -water (instead of a solution of NaOH) for the removal of  $CO_2$  from the gas obtained by the conversion of  $CO$ , arose as a number of technical and economic advantages.  
From American Society

1959: 141

GEORGHIAN, Mihaela; GEORGHIAN, Musat

On nose mites with Spirialis in the Lujans fauna. Dofa 1968: 201-202  
49 (t.2:177-182) '61-'62 [publ. '64].

1. Submitted February 16, 1962.

GHORGHIAN, Mihaela; GHORGHIAN, Musat

On some marls with Spirifer in the Lapus basin. Dori serbia vol  
49 pt.2:177-182 '61-'62[publ. '64].

1. Submitted February 16, 1961.

GHEORGHIAS, E.

1. "Production facilities of chemical industry in USSR" pp. 1-4.
2. "Production of chemical products in USSR" pp. 5-10.
3. "Production of chemical products in USSR" pp. 11-15.
4. "Production of chemical products in USSR" pp. 16-20.
5. "Production of chemical products in USSR" pp. 21-25.
6. "Production of chemical products in USSR" pp. 26-30.
7. "Production of chemical products in USSR" pp. 31-35.
8. "Production of chemical products in USSR" pp. 36-40.
9. "Production of chemical products in USSR" pp. 41-45.
10. "Production of chemical products in USSR" pp. 46-50.
11. "Production of chemical products in USSR" pp. 51-55.
12. "Production of chemical products in USSR" pp. 56-60.
13. "Production of chemical products in USSR" pp. 61-65.
14. "Production of chemical products in USSR" pp. 66-70.
15. "Production of chemical products in USSR" pp. 71-75.

20

CIULI, I., fiz.; GHEORGHIES, E., ing.

The time paradox. St si Teh Buc 14 no.5:8-11 My '62

GHEORGHIEV, D. [Georgiev, D.]; GHEORGHIEV, H. [Georgiev, Kh.]

Distribution of  $C^{14}$  in blossom cluster, tip and leaves of tomato plants.  
Doklady BAN 16 no.3:313-316 '63.

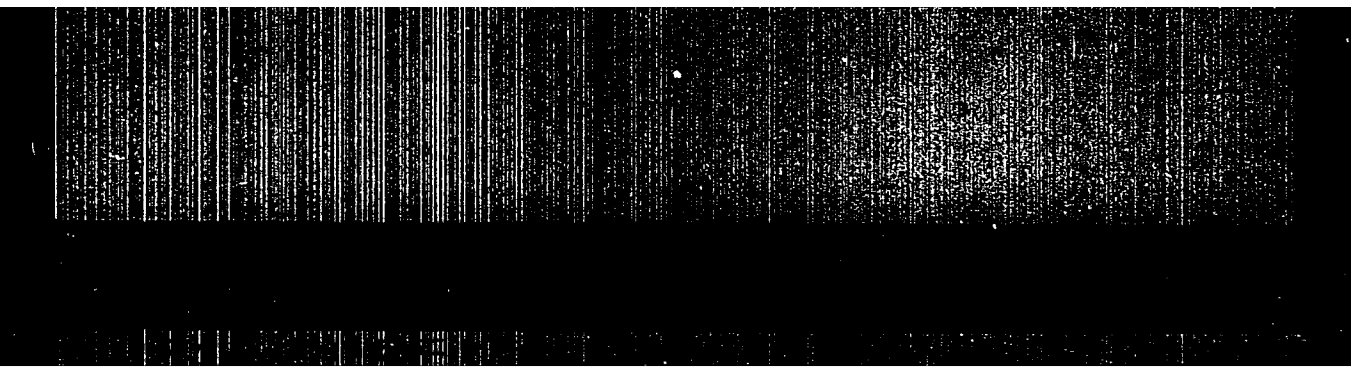
POPPOFF, I.D., GHEORGHIEV, D.I.

Introduction of substances into plants by the capillary  
method. Studii cerc biochimie 7 no.1:19-22 '64.

1. Department of Biochemistry of the Institute for Plant  
Culture, Academy of Agricultural Sciences, Sofia, Bulgaria.



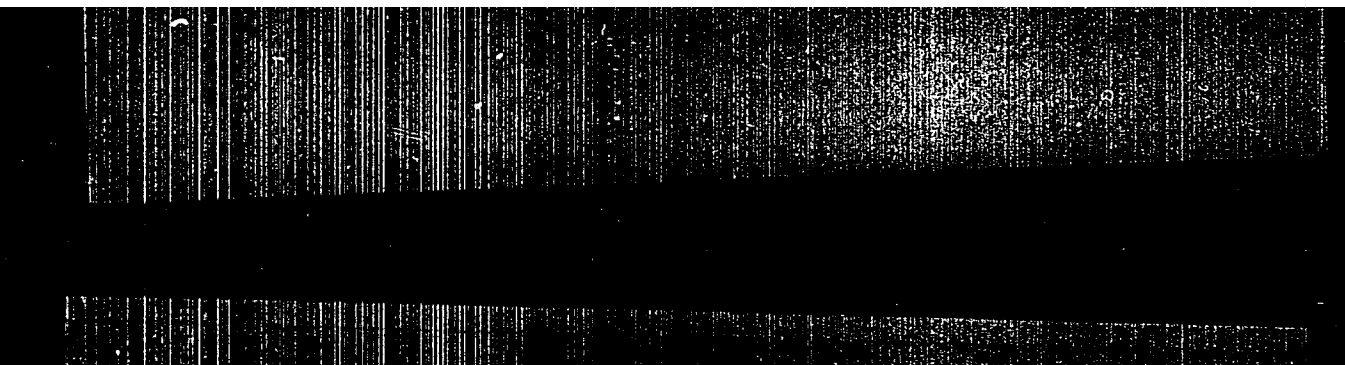
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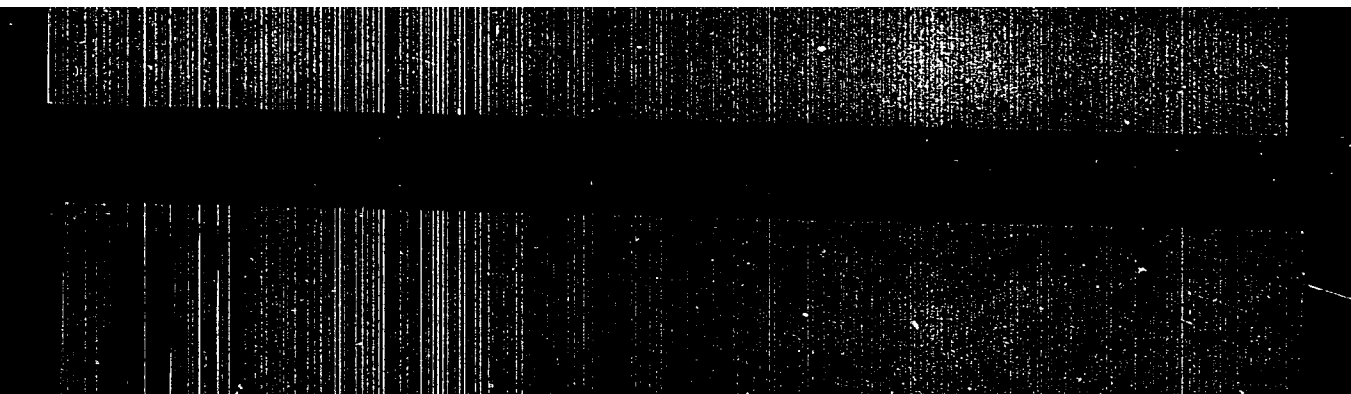
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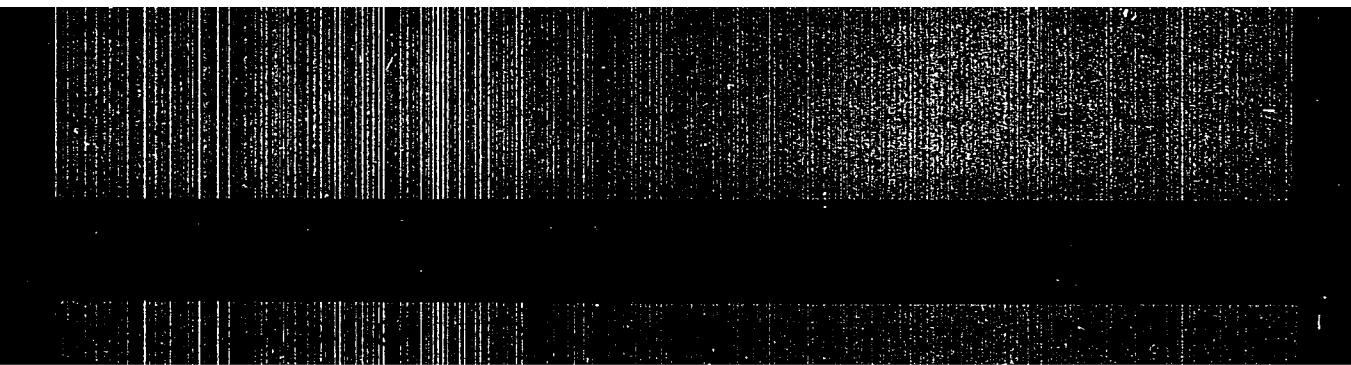
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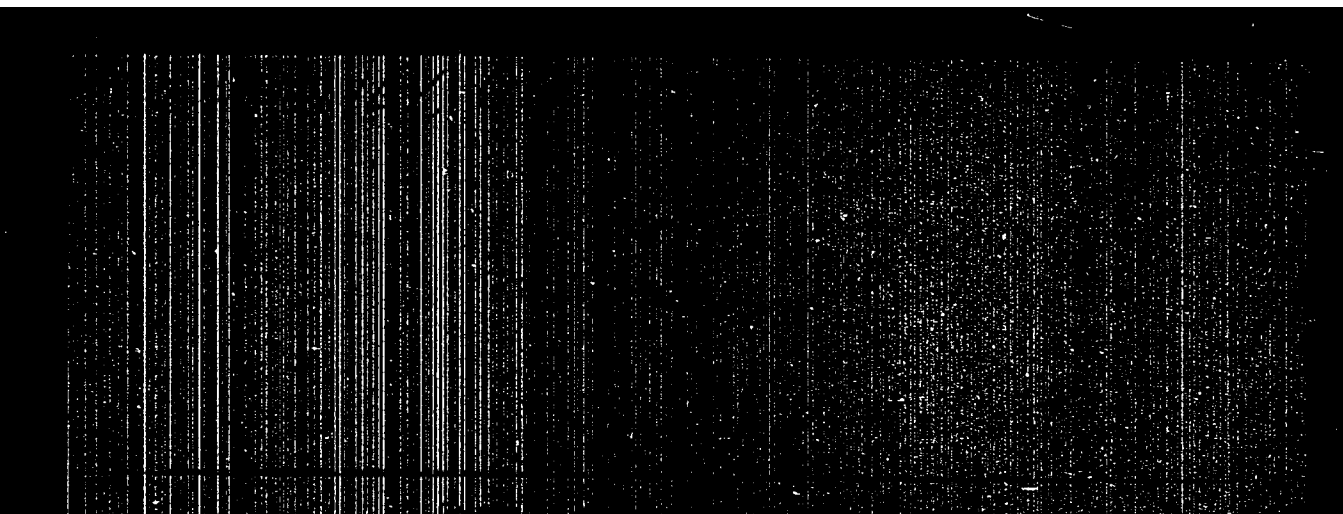
GEORGIEV, G.

Georgiev, G. Kratuk kurs po vissha matematika. Sofiya, Nauka i izkustvo (1951) 599 p.  
(Brief lectures on higher mathematics. Pt. 1. Mathematical analysis)

SO: MONTHLY LIST OF EAST EUROPEAN ACCESSIONS, L. C., VOL. 3, NO. 1, Jan. 1954, Uncl.

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GHEORGHIU, Gh.

Mathematical Review  
June 1954  
Geometry

②  
Gheorghiev, Gh. Sur quelques généralisations du théorème de Réaumur pour les courbes d'une surface. Acad. Repub. Pop. Române. Bul. Şti. Sect. Şti. Mat. Fiz. 4, 497-503 (1952). (Romanian. Russian and French summaries)

GEORGIYEV, G.

Jan/Feb 53

USSR/Mathematics - Indeterminates

"A Certain Indeterminate Equation," G. Georgiyev

Usp Mat Nauk, Vol 8, No 1(53), pp 131-134

Solves the problem of establishing the necessary and sufficient conditions which must be satisfied by the indices of the indeterminate eq  $\sum_{k=1}^m \prod_{i=1}^n x_i^{a_{ki}} = A_0$  where the indices  $a_{ki}$  are integers, in order that the eq can be transformed by a birational transformation into a linear eq. This problem is a generalization of the problem of L. Chakalov and Khr. Karanikolov ("Resolution de l'equation  $Ax^m + By^n = z^p$  en nombres rationnels," Comptes Rendus 210, 19 Feb 1940, pp 281-283).

250T67



GEORGIYEV, G.

Jan/Feb 53

USSR/Mathematics - Indeterminates

"The Solution, in Rational Numbers, of a Certain Indeterminate Equation,"

G. Georgiyev

Usp Mat Nauk, Vol 8, No 1(53), pp 127-130

Establishes more general conditions than those of Khr. Karanikolov ("Contribution a la theorie des equations indeterminees," a dissertation, Sofia, 1949) for the soln. (all rational roots) of the indeterminate eq.

$\sum_{k=1}^n A_k x_k^{m_k} = 0$ , where  $A_k$  and  $m_k$  are integers. Submitted 7 Oct 52.

250766

GEORGIYEV, G.

USSR/Mathematics - Quadratures

21 Mar 53

"Formulas of Mechanical Quadratures With Equal Coefficients for Multiple Integrals," G. Georgiyev, Sofia State Polytech Inst imeni Stalin

DAN SSSR, Vol 89, No 3, pp 389-392

Formulas derived from previous article (cf. *ibid.* 83, 4 (1952)) in which double or triple integrals equal  $\sum \lambda_i P_i(x_i, y_i, z_i)$  are computed for the case of all  $\lambda_i$  equal. Presented by Acad M. A. Lavrent'yev 26 Dec 52.

272155

GEORGIYEV, G.

Mar/Apr 53

USSR/Mathematics - Indeterminates

"Solution in Rational Numbers of a Certain Indeterminate Equation,"

G. Georgiyev

Usp Mat Nauk, Vol 8, No 2(54), pp 115-118

Derives more general conditions for the fulfilment of which one can find all rational solns for the eq  $\sum_{k=1}^n A_k \prod_{i=1}^n x_i^{a_{ki}} = A_0$ ; namely, more general than those of Kr. Karanikolov in his disseration ("Contribution a la theorie des equations indeterminees," Sofia, 1962). Submitted 7 Oct 52.

250T87

GEORGIEV, G.

Georgiev, G. Résolution de l'équation

$$\sum_{k=1}^n A_k \prod_{i=1}^n x_i^{a_{ki}} = A_0$$

en nombres rationnels. Acta Math. Acad. Sci. Hungar. 2, 229-246 (1951). (French. Russian summary)

The equation of the title, with rational coefficients  $A_k$  and integral exponents  $a_{ki}$  with determinant  $|a_{ki}| \neq 0$ , is studied by use of the transformation (1)

$x_i = \prod_{r=1}^n x_r^{\lambda_{ri}}, i=1, 2, \dots, n$ , with integral exponents having determinant  $|\lambda_{ri}| = \pm 1$ .

Necessary and sufficient conditions that a transformation (1) exist which reduces the original equation to  $\sum_{k=1}^n A_k x_k = A_0$  are that  $|a_{ki}| = \pm 1$ . Necessary and sufficient conditions are also given for reduction to  $\sum A_k x_k^{m_k} = A_0$ . These results lead to sufficient conditions for solving the equation in rational integers. In case one or more of the coefficients  $A_k$  are zero, stronger results are obtained.

I. Niven (Eugene, Ore).

SO: Mathematical Review, Vol. 14, No. 4, April 1953.

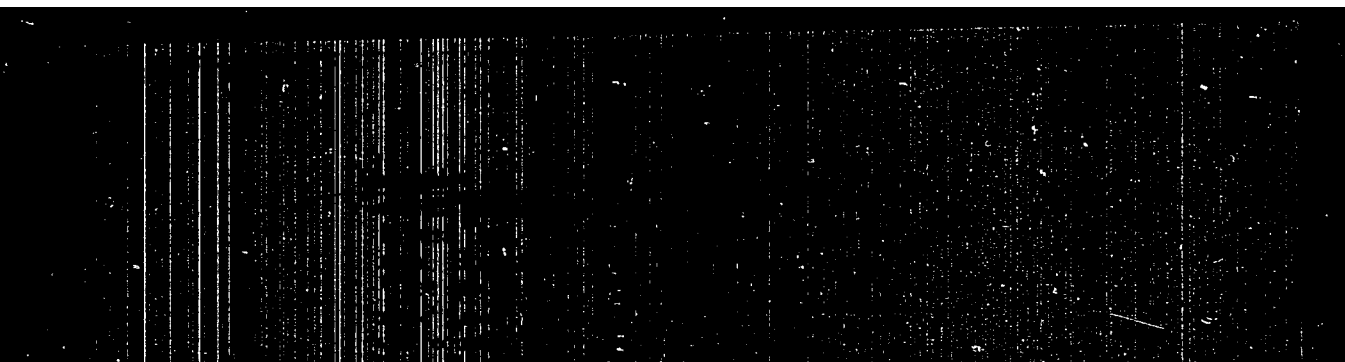
GEORGIEV, G

Georgiev, G. On the solution in rational numbers of  
certain Diophantine equations. Proc. Mat. 1 (1955),  
201-258. (With Russian and English summaries)  
An exhaustive exposition of the method expounded  
more briefly in Uspehi Mat. Nauk (N.S.) 8 (1953), no.  
2(54), 115-118; MR 14, 1063. J. W. S. Cassels.

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1-F/W

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**APPROVED FOR RELEASE: 09/24/2001      CIA-RDP86-00513R000515010017-1"**

Buzonchies, G. Quelques aspects géométriques du  
 mouvement permanent d'un fluide idéal. II. An. Sti.  
 Univ. "Al. I. Cuza" Iasi, Sect. I. (N.S.) 2 (1956), 69-84.  
 (Romanian, Russian and French summaries)  
 Continuing the author's study in Rev. Univ. "Al. I.  
 Cuza" Iasi, Sect. I. (1955), 43-64 [MR 18, 616].  
 In Buzonchies, G. Under certain compatibility conditions are  
 established the theorems derived for the case that  
 the velocity of the fluid is uniform on every streamline.  
 The method is also used for the general study of the  
 streamlines of the motions  $B''$ . The  
 necessary and sufficient conditions for the necessary and  
 sufficient conditions for the surfaces and a con-  
 sideration of the surfaces are, respectively  
 surfaces of the motions  $B''$ .  
 (Cambridge, Mass.)

*Strud*

On Certain Motions of Fluids Whose Stream Lines Are Curves of Constant Speed

Gheorghiev, Gh. Sur certains mouvements des fluides dont les lignes de courant sont isotachées. Acad. R. P. Roumne. Fil. Iași. Stud. Cerc. Ști. Mat. 8 (1957), no. 2, 157-161. (Romanian. Russian and French summaries) 1-FW  
Certain geometrical results are derived from the continuity equation for stationary fluid motions for which the streamlines coincide with the curves along which the speed remains constant. Particular attention is paid to ideal barotropic fluids. Results of F. Sbrana [Atti Accad. Naz. Lincei Rend. Cl. Sci. Fis. Mat. Nat. (6) 7 (1928), 641-643], L. Castoldi [ibid. (8) 3 (1947), 333-337; MR 9, 630] and S. S. Byutgens [Izv. Akad. Nauk SSSR. Ser. Mat. 12 (1948), 481-512; MR 10, 633] are taken into consideration. D. J. Struik (Cambridge, Mass.)



POPA, I., prof.; CHEORGHIEV, Gh., prof.

Projective differential geometry of some equiparametric varieties (II).  
Studii mat Iasi 12 no.1:115-124 '61.

1. Membri al Comitetului de redactie "Studii si cercetari stiintifice,  
Matematica" [Academia Republicii Populare Romine, Filiala Iasi].

GHEORGHEEV, Gh.

Helicoidal flow of fluids. Comunicarile AR 12 no.6:652-659 Je '62.

1. Comunicare prezentata de M. Hainovici, membru corespondent al Academiei R.P.R.

GHEORGHIEV, Gh.

Geometric properties of nonstationary motions in  
hydrodynamics. Studii mat Iasi 13 no.1:177-188 '62.

GHEORGHIU, Gh.

On some internal relations between the current lines and the quadric of deformation. Studii mat Iasi 13 no.2:361-368 '62.

POPA, I.; GHEORGHIEV, Gh., prof. univ., (Iasi)

The common semiquadric equation of three linear complexes of  
straight lines. Gaz mat fis 14 no.4:169-170 Ap '62.

GHEORGHIEV, Gh., prof. univ. (Iasi); POPA, I., prof. univ. (Iasi)

Professor Octav Mayer, on the occasion of receiving the title  
"Man of Science of Rumania." Gaz mat fiz 15 no.9:495-500 S '63.

GHEORGHIEV, Gh., prof. univ.

"Lectures on differential geometry" by Gheorghe Vranceanu. Pts. 1-2.  
Reviewed by Gh. Gheorghiev. Studii cerc mat 14 no.3:501-504 '63.

GHEORGHIEV, D. [Georgiev, D.]; GHEORGHIEV, H. [Georgiev, Kh.]

Distribution of  $C^{14}$  in blossom cluster, tip and leaves of tomato plants.  
Doklady BAN 16 no.3:313-316 '63.



*Cherchez, J.*

ROMANIA

GLIGHE, V., Professor; BACIU, Tr., MD; GHERLAN, Gr., MD;  
DUMITRESCU, I., MD; GHEORGHIIEV, I., MD; FLOREA, E., MD;  
BEMJAN, St., MD; SAVA, E., MD; TRAILA, P., MD; LAPUSAN, M.,  
Hospital attendant; PETEANU, N., MD.

1. Medical Clinic II, Cluj (Clinica a II-a medicala Cluj) - (for  
first five); 2. Polyclinic No. 1, Cluj (Policlinica Nr. 1,  
Cluj) - (for next five); 3. Bontida Precinct (for  
Peteanu).

Bucharest, Viata Medicala, No 8, 15 Apr 63, pp 513-518.

"The Role of Certain Occupational Factors in the Aetiopathogeny  
of Ulcerous Diseases of Tractor Operators and Car Drivers."

(11)

G HEORGHIEV, K.

GUEORGUIEV, K.; KARAKACHEV, M.

Contribution to the problem of juvenile hypertension. Cor Vasa 3 no.4:  
264-272 '61.

1. Institut Pedagogique de l'Academie des Sciences, Sofia.

(HYPERTENSION statistics)

GHEORGHIEV, Olga-Adina

On the plane section hypothesis in the material resistance.  
Studii mat kasi 14 no.1:193-199 '63.

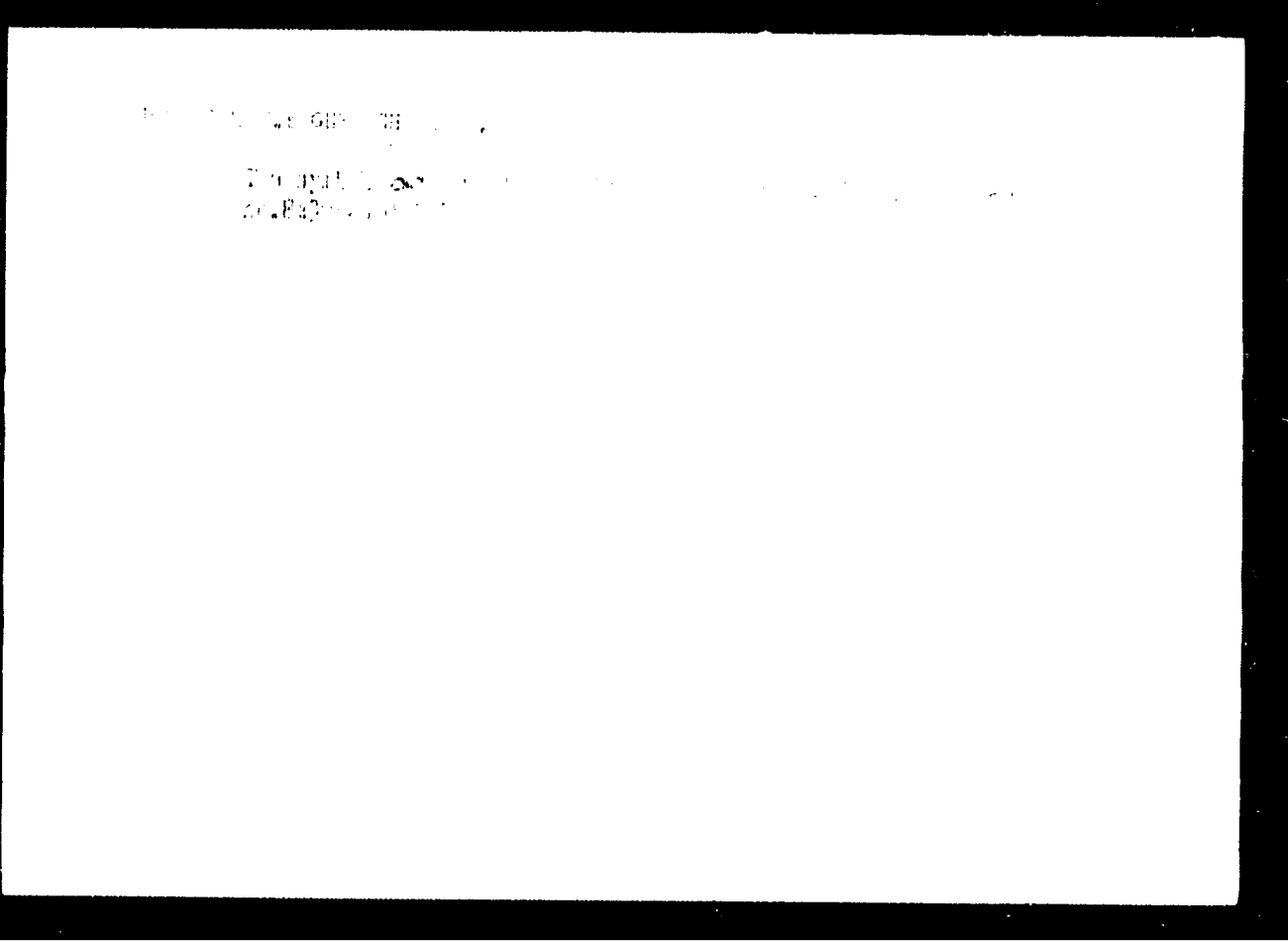
GHEORGHIU, Olga Adina

Approximation of solutions of some equations which intervene  
in the theory of elasticity. Studii mat. Iasi 14, no. 2 (1971),  
241-263.

RADOVICI, Petre, ing.; GHEORGHIEVICI, Gh., ing.

Increasing the productivity of some drilled water wells.  
Rev. cailor fer ll no.11:647-648,652 N'63.

1. Din D.T.V. (for Radovici). 2. Din D.I.D. (for Gheorghievici).



RUMML/Pharmacology and Toxicology. Local Anesthetics.

V

Abs Jour: Ref Zhur-Biol., No 19, 1958, 89925.

Author : Gheorghin, P.; Stroescu, V.; Marnchian, M.

Inst : -

Title : The Antifibrillating Action of Procaine.

Orig pub: Fiziol. horn. si patol., 1957, 4, No 1, 43-54.

Abstract: The effect of procaine (I) on arrhythmia of rabbits' hearts in situ and outside of the organism was studied. It was established that, in situ, I has no effect on auricular fibrillation, but arrests fibrillation of the ventricles; I arrests fibrillation of both the auricles and ventricles in the isolated heart, possibly as a result of direct action upon the myocardium. -- Ye. M. Shevbanin.

Card : 1/1

RASEEV, D.; ROTARU, A.; REVNIC, I.; GHEORGHISSOR, N.

Study of the wear of plastic materials in media of oil and  
water. Pt. 1. Bul Inst Petrol Rum no 10-124-140 '63.



*Geoghegan, C.*

RUMANIA/Chemical Technology. Chemical Products and Their Application. Chemical Processing of Solid Fossil Fuels.

R-22

Abs Jour: Ref Zhur-Ilan., No 2, 1959, 5952.

Author : Blau, I; Bolchi, Fr.; Epure, I.; Geoghegan, C.;  
Goldstein, M.; Genucau, M.; Ionescu, M.; Mandel, N.;  
Piatkowski, Th.; Sirbu, H.

Inst :  
Title : Chemical-Technological Study of Peat in RPR. Report II.  
Mechanical Treatment and Processes of Chemical-Technological Treatment of Peat in RPR.

Orig Pub: Studii si cercetari energ., 1956, 5, No 5, 265-279.

Abstract: It was found in the laboratory study of briquetting that the strength of briquets does not increase noticeably with the rise of pressure above 1500 kg.

Card : 1/2

106

RUMANIA / Physical Chemistry. Molecule. Chemical Bond. B

Abs Jour: Ref Zhur-Khimiya, No 24, 1958, 80286.

Author : Gheorgnita, C., Ghita, C.

Inst : Not given.

Title : Absorption Spectra in the Ultraviolet Region of the Orto, Meta, and Para-Dichloro Salts of Bis-(Acetyltrialkylammonium)-Phenylindiamine.

Orig Pub: Studii si cercetari fiz. Acad. RPR, 1958, 9, No 1, 111-114.

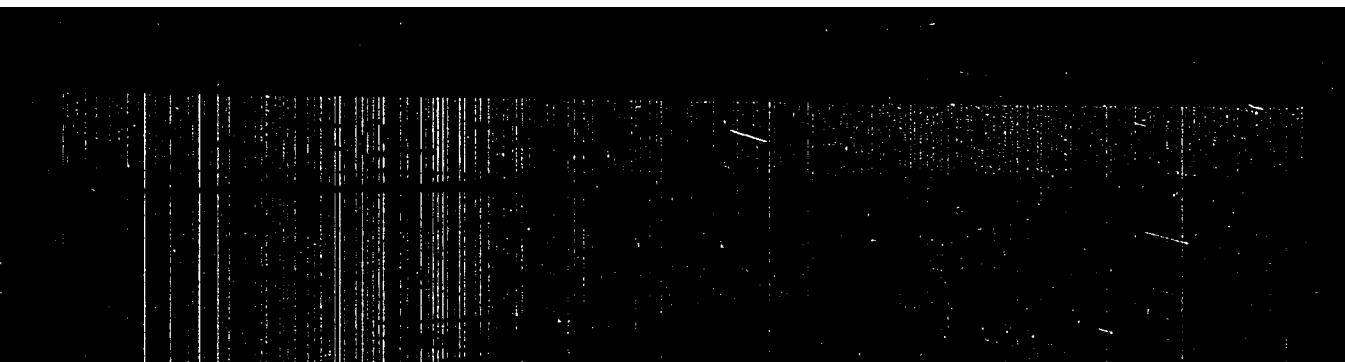
Abstract: Ultraviolet absorption spectra in the 2100-4000<sup>o</sup> A region for the O-, m-, and p-dichloro salts of bis-(acetyltrialkylammonium)- phenylindiamine and for the m- and p-dichloro salts of bis-(acetyltriethylammonium)-phenylindiamine were investigated. Spectra of these substances in the 2100-3300<sup>o</sup> A reveal existence of breaks in

Card 1/2

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DIMITRESCU, R.; GHEORGHITA, I.

Geologic study of Varatec mine (Baia Mare). Dari seama sed  
45:309-320 '57/58 [publ. '62].

SAVU, H.; GHEORGHITA, I.; VASILESCU, Al.; BALOIU-FARCASAN, Maria

Geology and petrography of the northern part of the Semenicului  
Mountains. Anuarul Comit geol 34 pt. 1:279-321 '64.

1. Submitted January 1964.

GHEORGHITA, Ioana

Chalcographic study of Varatec mine (Baia Mare). Dari seama  
sed 45:321-335 '57/58 [publ. '62].

GEORGHIA, L.

Corrosion Inhibitor Substances. Revista De Chimie (Journal of Chemistry),  
#2:22:Feb 55





GHEORGHITA, S.

Nonstationary movements of incompressible fluids in nonhomogeneous porous media. p. 33

ANALELE. SERIA STINTILOR NATURII. Bucuresti, Rumania.  
Vol. 7, no. 17, 1958

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

Uncl.

GHEORGHITA, S.

Manufacturing prefabricated parts of concrete and reinforced concrete  
in outdoor yards. p. 1. TECHNICA NOUA. (Asociatia Stiintifica a  
Inginerilor si Tehnicienilor) Bucuresti. Vol. 3, No. 40, Mar. 1956.

So. East European Accessions List Vol. 5, No. 9 September, 1956

CHEORGITA, S.

The influence of solid walls in problems of plane percussion. p. 29.  
(ANALELE. SERIA STIINTELOR NATURII. Rumania. Vol. 5, no. 11, 1956)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

GHEORGHIȚA, S.: AURIAN, J.

Influence of different types of walls on characteristic indexes of dwellings.  
Pt. 2 p. 216

REVISTA CONSTRUCȚIILOR ȘI A MATERIALELOR DE CONSTRUCȚII. (Asociația Științifică a  
Inginerilor și Technicienilor din România și Ministerul Construcțiilor și al  
Materialelor de Construcții) București, Rumania. Vol. 11, no. 5, May 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 9, Sept. 1959

Uncl.

GEORGHITA, S.; DEMITRIU-VILCEA, E.

Comparative technical and economic analysis of different types of terraces. p. 240.

REVISTA CONSTRUCTIILOR SI A MATERIALELOR DE CONSTRUCTII. (Asociatia Stiintifica a Inginerilor si Tehnicienilor din Romania si Ministerul Constructiilor si al Materialelor de Constructii) Bucuresti, Rumania. Vol. 11, no. 5, May 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 6, no. 9, Sept. 1959.

Uncl.



GHEORCHITA, St.

Building industrialization, a base of technical progress in  
building. Probleme econ 15 no.6:64-77 Js '62.

GHEORGHITA, St. I. (Bucuresti)

On the boundary layer near the leading edge of a flat plate.  
Bull math Bur (no. 3/4:195-196) (publ. 1961).

1. Submitted March 30, 1961.



GHEORGHITA, Stefan

"Concerning the Calculation of the Maximum Temperature in Non Linear  
Electrodynamics." Revue de Mathematiques et de Physique, Vol. 2, 1954

GHEORGIU, S. I. R. U. S.

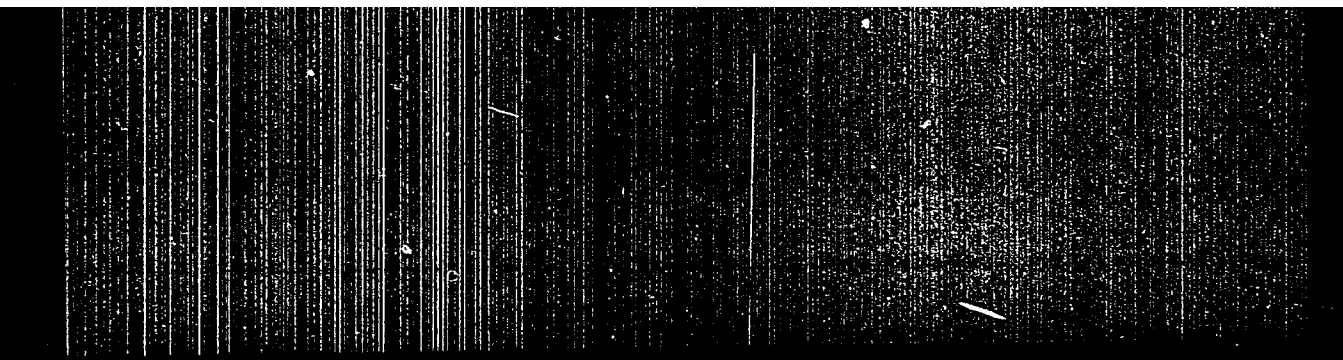
Gheorgiu, S. I. Two applications of bipolar coordinates  
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After giving a discussion of bipolar coordinates, the author  
uses them to attack two hydrodynamic problems. The first  
is that of the flow of a viscous fluid along a pipe whose  
cross-section is bounded by two circular arcs. The second is that of the slow (inertia neglected) viscous  
flow in the region between an axle resting in a fixed but  
eccentric position within a fixed bearing, both of circular  
cross-section. J. V. Wehausen (Providence, R. I.).

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Certain problems related to division of a segment by points taken at random. p. 243. STUDII SI CERCEETARI MATEMATICE. Bucuresti. Vol. 6, no. 3/4, July/Dec. 1955

SOURCE: East European Accessions List (EEAL) Library of Congress  
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GHEORGHIȚĂ ȘTI 1

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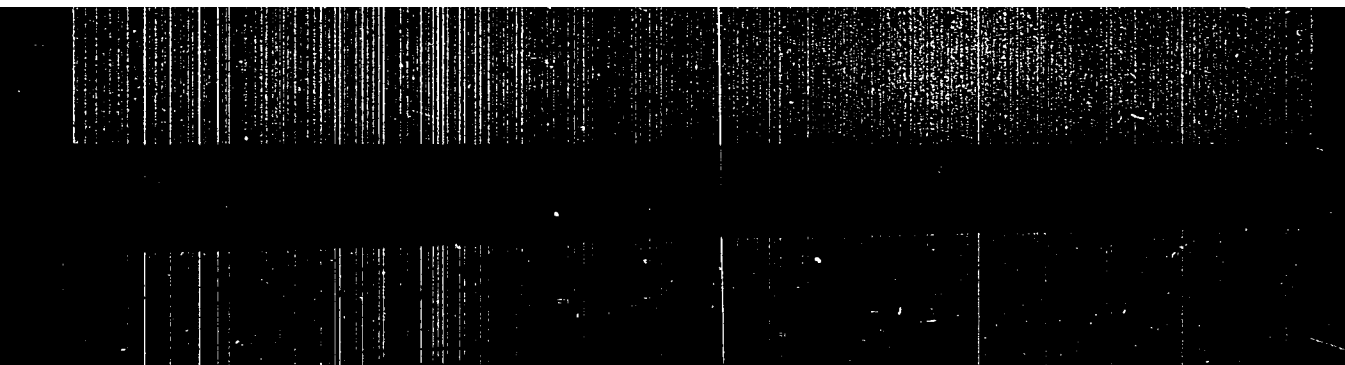
✓ Gheorghe Ști 1. Généralisation de la formule de Stokes. Acad. R. P. Roum. Bul. Șt. Sect. Ști. Mat. 112, 7 (1955), 751-756. (Romanian, Russian and French summaries)  
The author obtains exact expressions for the velocity and pressure components for the case of the slow motion of a porous sphere in a viscous incompressible fluid. Stokes' formula for the expression of the force-component is generalized.  
K. Bhagwandin (Oslo).

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Distr: hE3a(b)

Stationary Slow Motion of a Viscous Incompressible Fluid<sup>1</sup>

7482:  
Gheorghita, St. I. Le mouvement lent stationnaire d'un fluide visqueux incompressible dans la présence d'une enveloppe poreuse sphérique. An. Univ. C. "I. Parhon" Bucuresti. Ser. Sti. Nat. 5 (1956), no. 9, 39-45. (Romanian. Russian and French summaries)  
The author presents the solution to the problem mentioned in the title, for small Reynolds' numbers (i.e., slow motion; linearized Navier-Stokes' equations). He applies Fourier series expansions for the velocity and pressure components. The ensuing constants are determined from the appropriate boundary-conditions. Particular cases are also noted. K. Bhagwandin (Oslo)

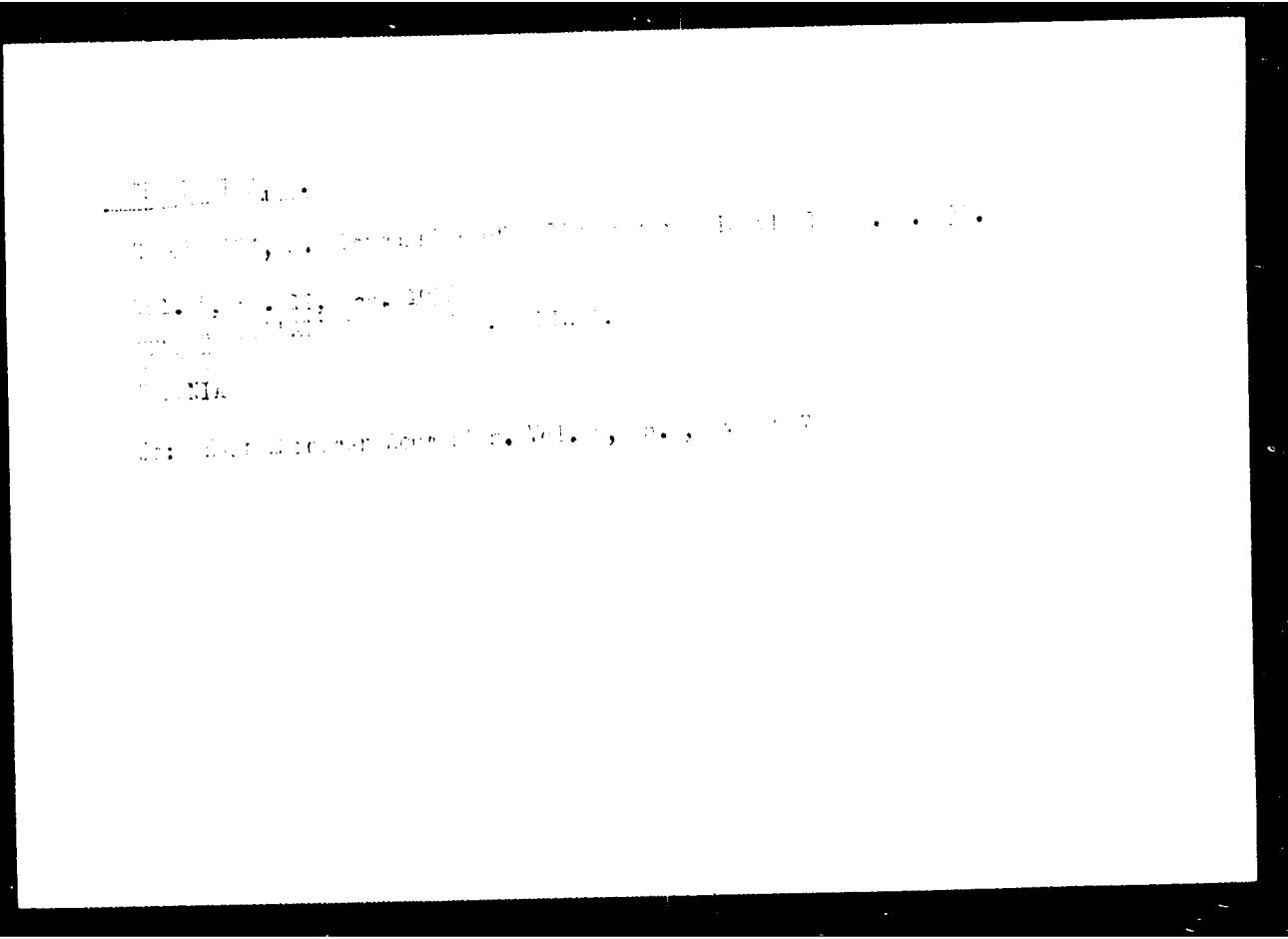
2  
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Vol. 6, no. 6, June 1956. COMMUNICARILE. Bucuresti Rumania.

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4-- April 1957



GHEORGHIȚA, S.

On the impact theory on perfect incompressible fluids. p. 75.

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Vol. 4, no. 1, 1959.

Monthly List of East European Accessions (EEAI) L C, Vol. 9, no. 1, 1960

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R/008/60/000/006/003/008  
A231/A126AUTHOR: Gheorghita, St.I.

TITLE: The application of some boundary problems in fluid mechanics

PERIODICAL: Studii și cercetări de Mecanică aplicată, no. 9, 1969, 1,535 - 1,542

TEXT: The article first deals with the identity of the mathematical problems resulting from the impact theory on perfect fluids and some problems of the theory of motion in homogeneous porous media. Then it presents the effective solution of some particular boundary problems which appear in these theories and finally mentions the generalization possibilities of the results obtained. The examples given show the application possibility of the analogy between the impact and the filtration theories, leading mathematically some times to the same boundary problem. Another example was presented in a recent publication [Ref. 14: St. I. Gheorghita, Arch. Mech. Spasovanezh, X, 5, 612 (1958)]. The author finally mentions the utilization possibility of the impact theory at the linear stationary motion of gases in which case  $\rho$  will be the square of the gas pressure, or at the nonstationary motion with a free surface of heavy fluids in the theory of Boussinesq. There are 5 figures and 15 references: 11 Soviet-bloc and 4 non-Soviet-

Card 1/2

The application of some boundary problems on...  
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AE31/A126

bloc. The references to the English-language publications read as follows: Șt. I. Gheorghijă: On the impact theory on perfect incompressible fluids. Revue de Physique, IV, 1, 75 (1959); D. Eason, B. Noble, J. Sneddon: On certain integral of Lipschitz-Hankel type involving products of Bessel functions. Phil. Trans. of the Royal Soc. of London (A), 247, 529 (1955); Șt. I. Gheorghijă: A three-dimensional motion of the artesian waters. Aron. Mecht. Ștefowanezh, X, 5, 612 (1958). X

ASSOCIATION: Universitatea "C.I. Parhon" (University "C.I. Parhon")

SUBMITTED: February 9, 1960

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(Hydrodynamics) (Filters and filtration) (Porosity)  
(Differential equations)

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1. Submitted June 7, 1963.



GHEORGHITA, St. I.

SURNAME, Given Names

Country: Rumania

Academic Degree: -not given-

Affiliation: -not given-

Source: Bucharest, Comunicarile Academiei Republicii Populare Romine,  
Vol XI, No 7, 1961, pp 501-506.

Data: "On Vortices in a Viscous Fluid in the Presence of Porous  
Non-Homogeneous Bodies."

GPO 981643

GHEORGHITA, St. I., conf.univ. (Bucuresti)

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Application of a semi-inverse method in solving problems  
concerning percolation under hydraulic structures. Ukr.  
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16. "The Overthrow of the Colonial System and the Bankruptcy of Missionarism," Aurelian POPESCU, University Lecturer (Lector universitar); pp 30-31.
17. "The Alpine Pastures," C. MARCIUCU, Candidate in Agricultural Sciences (Candidate in Stiinta Agricolae); pp 32-33.
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