NASTAC, E.; SAMUEL, I.; FUHRER-ANAGNOSTE, B.

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HASTAC, R.; FUHRER-ANAGNOSTE, B.; SARATEANU, D.

Investigations concerning the action of certain viruses on Ehrlich ascitic carcinoma in mice. III. The action of swine pest, fowl pox and sheep pox viruses. Rev. sci. med. 6 no.1/2:77-79 '61.

(NEOPLASMS experimental) (VIRUSES)

NICOLAU, St. S.; SARATEANU, D.; NASTAC, E.; OPRESCU, E.; FUHRER-ANAGNOSTE, B.; HUAI, C. T.

A study on active antiornithosis immunization in the white mouse. Rev. sci. med. 6 no.1/2:81-84 '61.

1. Member of the Academy of the R.P.R. (for Nicolau).

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Incidence of anti-ornithosis antibodies in workers of the zootechnical department. Rev. sci. med. 6 no.1/2:105-108 '61.

(ORNITHOSIS immunology)
(OCCUPATIONAL DISEASES)

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NASTAC, E.; ANAGNOSTE, B.; TARCHILA, D.

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(LEUKEMIA experimental) (MENINGOENCEPHALITIS experimental)

BALMUS, G.; NASTAC, E.

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(EDATHAMIL pharmacology) (CARCINOMA experimental)

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

(VIRUS DISEASES) (TUMORS)

NICOLAU, St. S., acad.; SARATEANU, D.; MASTAC, E.; OPRESCU, E.; FUHRER-AMAGNOSTE, B.; HUAI, C. T.

Active antiornithotic immunization in white mice. Studii cerc inframicrobiol Special issue-supplement to 12:315-322 '61.

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(ORNITHOSIS) (IMMUNITY)

SARATEANU, D.; SORODOC, G.; FUHRER-ANAGNOSTE, B.; SURDAN, C.; NASTAC, E.; LISSIEVICI-OPRESCU, E.; DUMA, D.; MARTA, M.; ROMAN, Al.

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1. Institutul de inframicrobiologie al Academiei R.P.R. (for Sarateanu, Sorodoc, Fuhrer-Anagnoste, Surdan, Nastac, and Lissievici-Oprescu). 2. Laboratorul regional veterinar Oradea (for Duma and Marta). 3. G.A.S. (Gospodarie Agricola de Stat) Rosia (for Roman). 4. Membru al Comitetului de redactie, "Studii si cercetari de inframicrobiologie" (for Sarateanu).

(ORNITHOSIS) (ANTIGENS AND ANTIBODIES)

SARATEANU, D.; MASTAC, E.; FUHRER-ANAGNOSTE, E.; SORODOC, G.; SURDAN, C.; LISSIEVICI-OPRESCU, E.; SUTEU, V., asistent tehnic; AMEMCOV, L., asistent tehnic

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(OCCUPATIONAL DISEASES)

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(NEOPLASMS experimental) (CARCINOMA experimental)
(HERPES virology) (VACCINIA virology)

NASTAC, Elisabeta

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(LEUKEMIA etiology)

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NASTAC, E.; FUHRER-ANAGNOSTE, B.

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+

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(LEUKEMIA experimental)

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(LEUKEMIA experimental)

PORTOCALA, R.; SAMUEL, I.; RUTTER, G.; NASTAC, E.

Action of ribonucleic acid extracted from mouse encephalomyocarditis virus (MM) on mouse Ehrlich ascites carcinoma. Stud. cercet. inframicrobiol. 13 no.6:681-688 '62.

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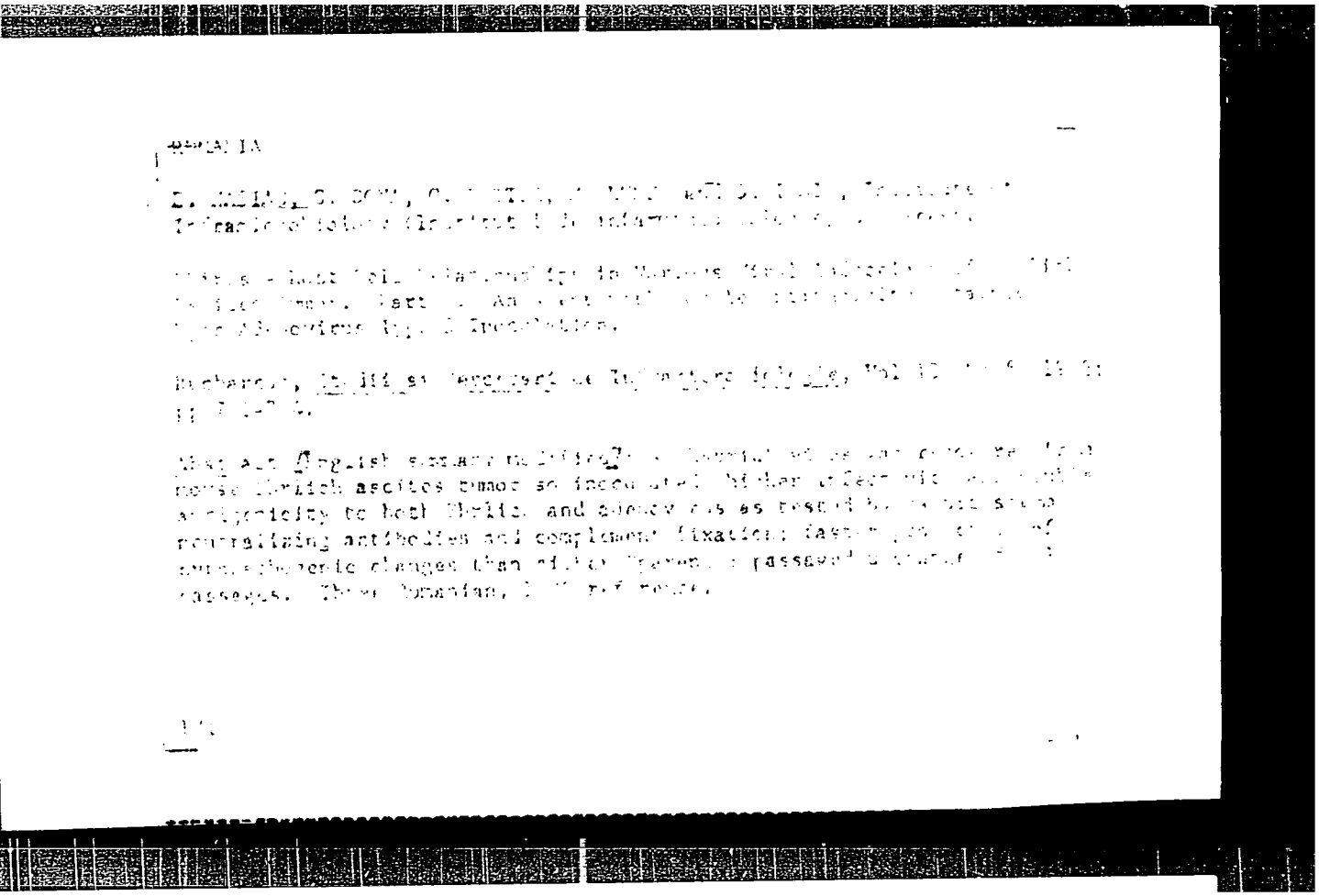
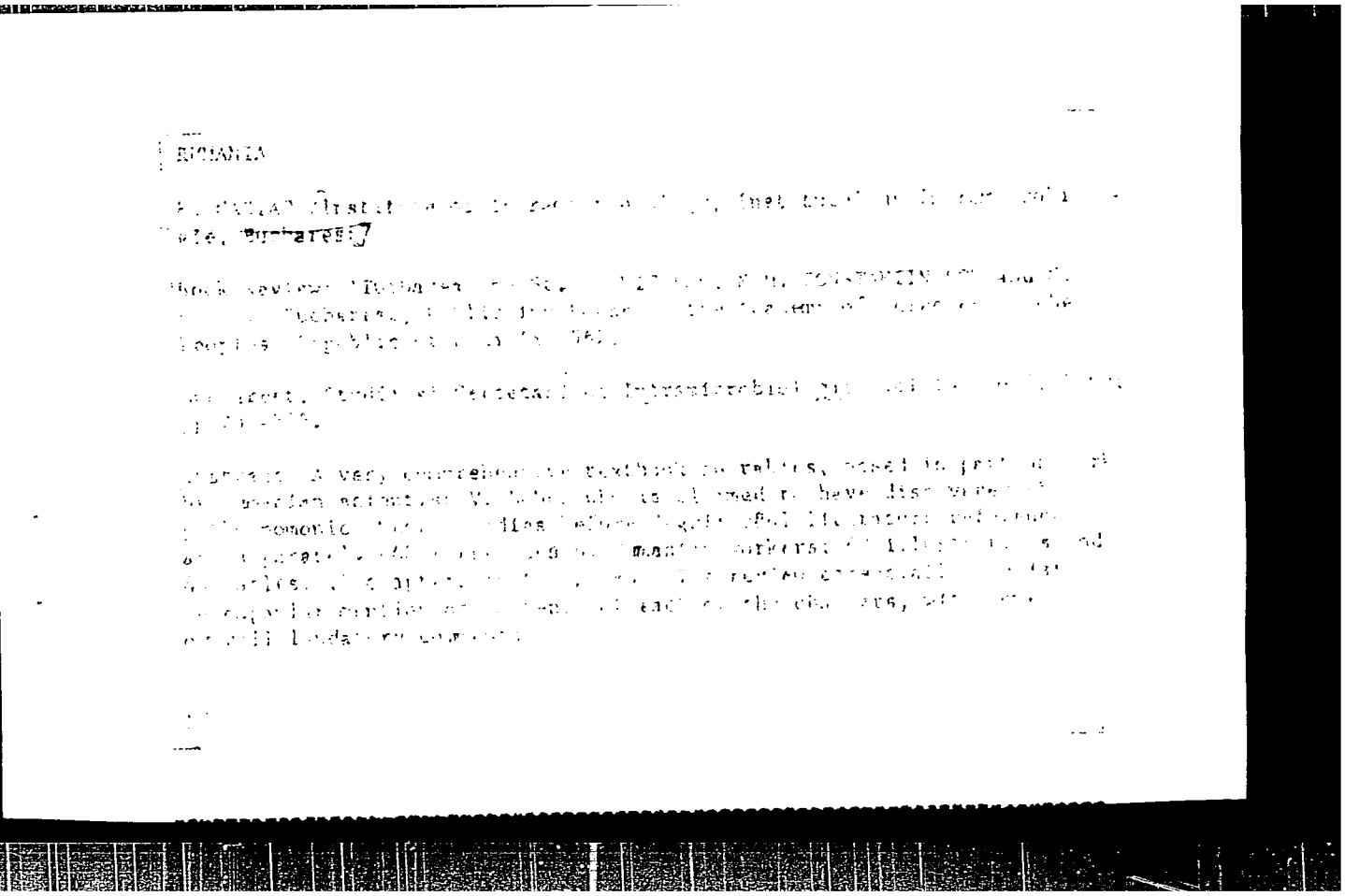
(NEOPLASMS, EXPERIMENTAL) (CARCINOMA, EHRLICH TUMOR)
(RNA, VIRAL) (ENCEPHALITIS VIRUSES) (MYOCARDITIS)





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Rev. sci. med. 8 no. 1/2:87-90 '63.

(RNA, VIRAL) (ANIMAL VIRUSES) (CARCINOMA, EHRLICH TUMOR)

NASTAC, E.; ISAIA, G.; DONA, G.; LUNGU, M.; RUTTER, G.; POPESCU, Gr.

The changes in adenovirus, type 3, after its inoculation in mice with Ehrlich's ascites carcinoma. Rev. sci. med. 8 no.3/4: 147-150 '63.

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(ANTIGENS)

NASTAC, E.; ANAGNOSTE, B.; BALMUS, G.

Experimental investigations in murine akm leukemia. Neoplasma 10 no.1:51-59 '63.

1. Institute of Inframicrobiology of the R.P.R. Academy, Bucarest, Roumania.

(LEUKEMIA, EXPERIMENTAL) (NEOPLASMS, EXPERIMENTAL)
(PATHOLOGY) (LIVER) (BRAIN) (LUNG NEOPLASMS)
(KIDNEY) (RABBITS) (TUMOR VIRUSES)

MASTAC, E.; ANAGNOSTE, B.; BALMUS, G.; TARCHILA, D.

Experimental investigations in human leukemia attempts at transmission to the hybrid white mouse. Neoplasma 10 no.1:61-64 '63.

1. Institut of Inframicrobiology of the R.P.R Academy, Bucarest, Roumania.

(LEUKEMIA, LYMPHOCYTIC) (LEUKEMIA, EXPERIMENTAL)

NASTAC, E.; ANAGNOSTE, B.

Experimental investigations on the oncolytic action of certain viruses. Neoplasma 10 no.1:65-74 '63.

1. Institute of Inframicrobiology of the R.P.R. Academy, Bucarest, Roumania.

(AVIAN LEUKOSIS VIRUS) (MUMPS VIRUS)
(CARCINOMA, ERHLICH TUMOR) (VACCINIA VIRUS) (HERPESVIRUS)
(NEOPLASMS, EXPERIMENTAL) (TUMOR VIRUSES) (VIRUSES)
(FOWL PLAGUE VIRUS)

NASTAC, E

RUMANIA

E. NASTAC, M. LUNGU, G. DONA and G. RUTTER, Inframicrobiology Institute of the Rumanian Academy [of Science] (Institutul de Inframicrobiologie al Academiei R.P.R., [Bucharest.]

"Experimental Investigations in Murine Leukemia. Part 5. Isolation of a Cytopathogenic Agent from Murine Leukemic Products Line C_{57} in "in vitro" Human Embryo Cultures."

Bucharest, Studii si Cercetari de Inframicrobiologie, Vol 14, No 2, 1963; pp 155-160.

Abstract [English summary modified]: From blood and brains of C57 mice which are susceptible to spontaneous leukemia, a cytopathogenic agent was isolated to human embryo tissue. Series transmission was possible. It is not clear whether agent is primary or acts by activating latent viruses. Three photomicrographs; 20 Western, 1 Soviet, 1 Japanese and 7 Rumanian references.

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mice RBC nor those of rat, rabbit, hen, hamster. Nine photomicrographs; 4 Western and 7 Rumanian references.

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RUMANIA

NASTAC, Elisabeta [affiliation not given]

"Achievements and Perspectives Concerning the Study on the Relation Between Cancer and Viruses."

Bucharest, Studii si Cercetari de Inframicrobiologie, Vol 14, No 4, 1963, pp 514-519.

Abstract: The article is based on a report submitted at the inauguration of the new headquarters of the Institute of Inframicrobiology at Bucharest on 26 December 1962 and discusses the two basic directions taken by research on the connection between cancer and viruses. These are the study of the etiology of cancer, with an attempt to discover the role, if any, of viruses in cancerous processes; and the attempt to find a means of treating the tumors with the aid of so-called "oncolitic" viruses in conjunction with other means of therapy.

Includes 35 references, of which 28 Rumanian and 7 Western.

1/1

NASTASE, A., lector univ. (Bucuresti)

An 18th century map of Moldavia. Natura Geografie 15 no.5: 36-38 S-O '63.

Nastase, A. ; Carafoli, E.

Study of thin triangular wings with forced symmetry in supersonic flow. p. 833.

Academia Republicii Populare Romine. STUDII SI CERCETARI DE MECANICA APLICATA. Bucuresti, Rumania. Vol. 9, no. 4, 1958.

Monthly List of East European Accessions (EEAL) LC Vol. 9, No. 2, January 1960.

Uncl.

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RUM/8-59-1-15/24

AUTHOR: Năstase, A.

TITLE: On Some Recurrence Formulae Referring to the Computation of the Axial Disturbance Speed Coefficients at Homogeneous Motions of Higher Order

PERIODICAL: Studii si Cercetări de Mecanică Aplicată, 1959, Nr 1, pp 241 - 248 (RUM)

ABSTRACT: The author presents in this article an algorism for the practical calculation of the A_{2q} and C_{2q} coefficients of the axial disturbance speed "u" of symmetrical, thin and triangular wings with subsonic leading edges. He first considers a triangular wing referred to a reference system $Ox_1 x_2 x_3$ with the origin in the wing tip which has the axis Ox_1, directed in accordance with the direction of the nondisturbed flow U_∞. The $Ox_1 x_2$ plane is defined by the leading edges OA_1 and OA_2. A homogeneous flow of the "n" order is considered around the wing. The vertical disturbance speed is represented by a homogeneous polynome of the (n - 1) order:

$$w(x_1 x_2) = \sum_{q=0}^{n-1} w_{n-q-1,\,q}\; x_1^{n-q-1}\; x_2^{q}\,, \qquad (1).$$

Considering the wing to be geometrically symmetric, w has the property:

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$$w(x_1 x_2) = w(x_1 - x_2) , \qquad (2).$$

This symmetry can be obtained by taking terms of pairing power ($q = 2\chi$) or terms of odd power ($q = 2X + 1$). In accordance with some previously established results [Ref 1], the axial component of the disturbed speed "u" of symmetrical wings is determined by:

$$u = x_1^{n-1} \operatorname{Re} \left[\frac{\sum_{q=0}^{E(\frac{n}{2})} C_{2q} x^{2q}}{\sqrt{l^2 - x^2}} + \sum_{q=1}^{E(\frac{n-1}{2})} A_{2q} x^{2q} \operatorname{arcch} \sqrt{\frac{l^2}{x^2}} \right] . \qquad (5)$$

In accordance with [Ref 1], the A_{2q} and C_{2q} constants can be determined by:

$$\operatorname{Re}\, i\, (-1)^{n-q} \int_r x^{n-q-2} \sqrt{1-B^2 x^2}\, \frac{d^n U_{n-1}}{dx^n}\, dx = \frac{(n-1)!\, \Delta w_{n-q-1,q}}{C^q_{n-1}} \qquad (6)$$

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$$\text{Re } i(-1)^{n-q} \int_{x_o}^{x_d} x^{n-q-2} \sqrt{1-B^2x^2}\, \frac{d^n U_{n-1}}{dx^n}\, dx = \frac{(n-1)!\, w^{(d)}_{n-q-1,q}}{C^q_{n-1}} \quad (7).$$

The purpose of subject article is to simplify the relations (Nr 6 and 7), by using a calculation algorism while passing from a motion of n-1 order to a motion of n order. The author proceeds in the following way: By using for simplification the relations Nr 9a and 9b, he computes the function $U^{(n)}_{n-1}$:

$$U^{(n)}_{n-1} = \frac{D_o + D_2 x^2 + \ldots + D_{2(n-1)} x^{2(n-1)}}{x^{n-2} (\ell^2 - x^2)^n \sqrt{\ell^2 - x^2}} \quad (10).$$

The number of the D_{2k} coefficients of (10) is equal with the number of the A_{2q} and C_{2q} coefficients of the relation (5). Deriving effectively by n-times U_{n-1} from (5) and identifying it with (10), he obtains a linear system (T), which expresses the coefficients D_{2q}. Trying to find the D_{2k} coefficients, the author establishes the relations:

$$P_{(x)} = \frac{\sqrt{1-B^2x^2}}{(1^2 - x^2)^{n+\frac{1}{2}}} = \sum_{p=0}^{\infty} \frac{x^{2p}}{(2p)!}\, P^{(2p)}_{(0)}, \quad (12) \text{ and}$$

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$$Q_{2k} = P_{(o)}\, D_{2k} + \frac{P''_{(o)}}{2!}\, D_{2(k-1)} + \ldots + \frac{P^{(2k)}_{(o)}}{(2k)!}\, D_o \qquad (13).$$

The only term which has a residual is Q_{k-1}, in which:

$$k = 1,3,5 \ldots (2p+1), \quad p = E\,\frac{n-2}{2} \qquad (14).$$

After a simple calculation, the relation (Nr 6) becomes:

$$Q_{k-1} = (-1)^n\, \frac{(n-1)!\, \Delta w_{n-k-1,k}}{\tau C^k_{n-1}} \qquad (15).$$

The coefficients D_o, D_2 ... D_{2p} are determined by p from (14), from the relation (15). The author then computes the basic integral $I_o^{[n]}$ (Nr 16), obtaining a new expression of (Nr 7):

$$\omega_{2(p+1-q)}\, D_{2(p+1)} + \ldots + \omega_{2(n-p-1)}\, \omega_{2(n-1-q)}\, D_{2(n-1)} = N_{2q} \qquad (19).$$

Based on the recurrence formulae:

$$\omega^{[n]}_{2k} = \omega^{[n-1]}_{2(k-1)} + \omega^{[n]}_{2(k-1)}, \qquad (21)$$

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On Some Recurrence Formulae Referring to the Computation of the Axial Disturbance Speed Coefficients at Homogeneous Motions of Higher Order

$$\omega_{-2k}^{[n]} = \omega_{-2(k-1)}^{[n]} - \omega_{-2k}^{[n-1]}, \qquad (21'),$$

he observes that the $\omega_{\pm k}^{[n]}$ coefficients of the relation (Nr 19), established for the homogeneous motion of the "n" order can be obtained from the $\omega_{\pm k}^{[n-1]}$ coefficients of the same relation (Nr 19), established for the homogeneous motion of the n-1 order by simple additive or substractive operations, with the exception of $\omega_{0}^{[n]}$, which can be computed by solving the $I_{0}^{[n]}$ basic integral (Nr 16). This linear system supplies the remaining constants

$$D_{2(p+1)}, D_{2(p+2)}, \cdots D_{2(n-1)}.$$

The A_{2q} and C_{2q} coefficients are computed by inserting the thus obtained values for D_{2k} in the linear system (T). Since these calculations have been made for symmetric wings no matter whether the symmetry is natural or forced, the author finally determines the specific characteristics of wings with natural and forced symmetry. a) Wings with natural symmetry: In the expression (5) of the disturbance axial speed, the coefficients A_{2q} are 0. The nullification of these coefficients can be also computed, since:

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On Some Recurrence Formulae Referring to the Computation of the Axial Disturbance Speed Coefficients at Homogeneous Motions of Higher Order

$\Delta w_{n-q-1,q} = 0$. The non-zero coefficient $D_{2(p,1)}, D_{2(p\,2)}, \ldots, D_{2(n-1)}$ are determined from the relation (19), in which

$$N_{2q} = \frac{(n-1)!\, 2^{2(n+q-p-1)}\, w_{n-2q-1,2q}}{C^{q}_{n-1}} \qquad (20')$$

and $q = 0.1, \ldots, (n-p-2)$, with p given by (14). b) Wings with forced symmetry: In this case

$w_{n-2q-1,2q} = 0$, but $\Delta w_{n-2q-2,2q+1} = 2 w_{n-2q-2,\,2q+1}$

thus the first coefficients $D_o, D_2, \ldots, D_{2p}$ are not nullified. These coefficients characterize the wings with forced symmetry The other coefficients $D_{2\,(p+1)}, \ldots, D_{2(n-1)}$ can be obtained from the relation (19), where:

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$$N_{2q} = - \frac{\omega_{2(0-q)} D_o + \omega_{2(1-q)} \rho^2 D_2 + \ldots + \omega_{2(p-q)} \rho^{2p} D_{2p}}{\rho^{2(p+1)}} \qquad (20'')$$

and p and q have the above mentioned signification.
There are 3 references, 2 of which are Rumanian and 1 French.

SUBMITTED: July 4, 1958

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A125/A126

10 9801

AUTHORS: Carafoli, Elie, and Năstase, Adriana

TITLE: Thin triangular wing of minimum drag in supersonic stream

PERIODICAL: Studii şi Cercetări de Mecanică Aplicată, no. 4, 1960, 817 - 833

TEXT: The authors determine the shape of a thin non-symmetrical triangular wing, having a minimum drag, when lift, diving moment and plane projection are given. By treating the non-symmetrical triangular wing, they are considering the general case which is then applied to delta wings, polygonal wings and trapezoidal wings, as performed in a previous paper (Ref. 1: Elie Carafoli, Adriana Năstase, Aripi trapezoidale de rezistenţă minimă în curent supersonic. (Triangular Wing of Minimum drag in Supersonic Stream) Comunicare făcută la Primul Congres Unional de Mecanică teoretică şi aplicată de la Moscova, Ianuarie 27 - Februarie 3, 1960 [sup tipar, în revistă sovietică Mekhanika]). Furthermore, the authors assume that there is an additional separation edge OC on the wing (Figure 1), which can eventually be taken as the joint of a leading-edge flap. Suction forces appearing on the subsonic leading edges have been included in the calcula-

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Thin triangular wing of minimum drag ....

tion of the drag. Considering the general expression of the axial disturbance speed u given in a previous work by E. Carafoli, M. Ionescu (Ref. 13: Ecoulements conique d'ordre supérieur autour des ailes triangulaires minces ou à épaisseur symétrique. Revue de Mécanique Appliquée, 1, 1957), the authors could systemize the calculation in such a manner that the determination of a triangular wing with separation edge and minimum drag is reduced to the calculation of a single type integral, which they designate I_k and for which they give a formula of simple algebraic recurrence. The authors then indicate the application of the method to all wings with minimum drag being used at present: delta wings, trapezoidal and rectangular wings, and polygonal wings. There are 3 figures and 14 references 5 Soviet-bloc and 9 non-Soviet-bloc. The four references to the English language publications read as follows: E. W. Graham, The Calculation of Minimum Supersonic Drag by Solution of an Equivalent Two-dimensional Potential Problem. Douglas Aircraft Report, SM-22666, Dec. (1956); - Note on the Use of Artificial Distribution of Singularities in Supersonic Minimum Drag Problems, Douglas Aircraft Corporation, Report No. SM-23022, Dec. (1957); E. W. Graham, A Geometric Problem Related to the Optimum Distribution of Lift on Planar Wing in Supersonic Flow. Journal of Aero-Space Sciences, Dec. (1958); Kainer, Calculation of the Optimum Supersonic Delta Wings. CONVAIR (San Diego) Report ZA 859 Oct (1957).

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23654

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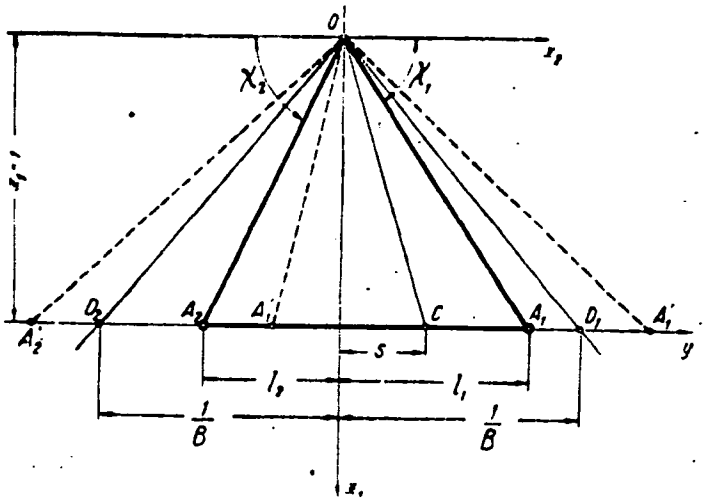
A125/A126

Thin triangular wing of minimum drag ....

Figure 1: Non-symmetrical triangular wing.



Card 3/3

SANDULESCU, Serban; NASTASE-GHIA, Adriana

Mixed problem of triangular wings in the conical motion of a higher order. Studii cerc mec apl 13 no.5:1099-1126 '62.

NASTASE, Anton

Capra and Caprita Lakes in the Fagaras Massif. Probleme geog 7:267-274 '60. (KRAI 10:3)
(Rumania--Lakes)

NASTASE, Anton, lector (Bucuresti)

Some limnologic observations on the [redacted]da Lake. Natura Geografie 13 no.3:54-56 My-Je '61.

NASTASE, C.

Forced transversal-vertical vibrations of ship bodies. P 138.

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

Uncl.

NASTASE, C., prof., ing.; DRUGESCU, El., ing.

Characteristics of the nonpropelled, pushed crafts used in navigation.
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NASTASE, C., prof. ing.; DRUGESCU, El., ing.

Characteristics of pushing vessels belonging to the fluvial fleet used in the pushing navigation. Rev transport 8 no. 9:392-400 S '61.

BAROSU, Mircea, chimist diplomat; SUDRESAN, Sever, ing.; NASTASE, Constanta, ing.

Galvanic batteries of the highest quality manufactured, using the most active manganese dioxide. Electrotehnica 11 no.4: 141-149 Ap '63.

1. Sef al laboratorului de electrochimie la Institutul de Cercetari Electrotehnice (for Barosu). 2. Sef al sectiei de elemente galvanice la Intreprinderea Industriala de Stat Electro-Banat (for Sudresan). 3. Cercetatoare la laboratorul de electrochimie Institutul de Cercetari Electrotehnice (for Nastase).

L 41641-66 EWP(t)/ETI IJP(c) JD

ACC NR. AP6031214 SOURCE CODE: RU/0004/65/000/002/0059/0068

AUTHOR: Barosu, Mircea (Graduate chemist; Bucharest); Mastase, Constanta (Engineer; Head researcher; Bucharest); Pervescu, Mariana (Chemical engineer; Timisoara); Tatucu, Stela (Chemical engineer; Timisoara); Sudresan, Sever (Chemical engineer; Timisoara)

ORG: [Barosu; Mastase] Laboratory of Electrochemistry, ICPE (Laboratorul de electrochimie la ICPE); [Pervescu; Tatucu; Sudresan] Electro-Banat Factory, Timisoara (Fabrica Electro-Banat)

TITLE: Contribution to the establishment of the utilisation conditions of some MnO sub 2 types in manufacturing galvanic batteries

SOURCE: Electrotehnica, no. 2, 1965, 59-68

TOPIC TAGS: battery, depolarization, manganese compound, carbon black

ABSTRACT: The authors studied the effect of changing the C/MnO_2 ratio as well as the use of artificial MnO_2 and carbon black on the activity of depolarizing agents and the electrical characteristics of 3R12 batteries. This led to some suggestions for improvements in the manufacturing technology, which have been tested and have now been introduced in production. The structural analysis of the x-ray was done at the IFB by Doctor R. Grigorovici and R. Manaila. The authors thank them for attention given the analysis and interpretation of the MnO_2 type x-ray structure; Directors of the "Electro-Banat" Factory and Technicians A. Bolog, M. Sociu and C. Butum for assistance given in preparing the industrial phase of the solutions. Orig. art. has: 20 figures and 5 tables. [Based on authors' Eng. abst.] [JPRS]

SUB CODE: 09 / SUBM DATE: 05Aug64 / ORIG REF: 010 / SOV REF: 003
OTH REF: 009

Card 1/1 af

09R2647

NASTASE, M.

Ornamental gardens, a constituent part of the Rumanian railroad stations.
p.227.

REVISTA CAILOR FERATE. (Calle Ferate Romine)
Bucuresti, Rumania
Vol. 7, no. 4, Apr. 1959.

Monthly list of Eastern European Accession Index (EAI) LC vol. , no. 11
November 1959
Uncl.

NASTASE, GH. AND OTHERS.

Local treatment of keloids with hyaluronidase. p. 201. COMUNICARILE. Bucuresti. Vol. 5, no. 1, Jan. 1955

Source: East European Accessions List, (EEAL), Lc, Vol. 5, No. 3, March 1956

NASTASE, G., AND OTHERS

Research on hyaluronidases in certain hermaphrodites and their utilization for therapeutic purposes. p. 629.
(COMUNICARILE. Rumania. Vol. 5, no. 3, Mar. 1955)

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

MASTASE, Gj., Dr.; SPERANTA, Gh., dr.

Three case reports of exanthematous lupus erythematosus.
Med. int., Bucur. 7 no.4:72-76 Oct-Dec 55.

1. Clinica dermato-vener., Iasi.
(LUPUS ERYTHEMATOSUS, DISSEMINATED, case reports
three exanthematous cases)

MASTASE, Gh., Prof.; SPERANTA, Gh., dr.; CARMIOL, M., dr.; LAZAR, M., dr.;
---------OANCEA, G., dr.; MARCULESCU, D., dr.

Studies of some serum antihyaluronidases in skin cancer.
Med. int., Bucur. 8 no.2:235-240 Apr-May 56.

1. Lucrare facuta in clinica dermato-sifiligrafica, Iasi.
(HYALURONIDASE, antagonists
in blood of skin cancer patients)
(SKIN NEOPLASMS, blood in
antihyaluronidases)

EXCERPTA MEDICA Sec.13 Vol.12/5 Dermatology,etc. May 58

NASTASE, Gh.

1066. ASPECTS OF THE CAMPAIGN AGAINST VENEREAL DISEASES, ANALYSING THE FACTORS WHICH FAVOUR THEIR SPREAD - Aspecte asupra actiunei de prevenire şi combatere a bolilor venerice prin prisma [illegible] factorii care favorizează răspîndirea lor - Năstase Gh. Clin. Derm. - Venereol., Inst. de Med., Iasi - REV.MED.-CHIR. 1957, 61/1 (183-191) Tables 5

Prostitution was one of the most important reasons for the spread of this infection. After an attempt to methodically prevent venereal diseases, begun in 1950, these diseases, especially syphilis, decreased in the town Iaşi (Roumania) to very low figures. The results were obtained by a series of measures: detection of syphilis by obligatory serological tests, periodical control, epidemiological investigations, detection of the sources of infection, compulsory treatment of acute forms and the admission of the patients into hospital and the abolition and interdiction of prostitution.

(XVII, 13)

1117. SOME ASPECTS OF OCCUPATIONAL DISEASES IN AN ANTIBIOTIC FACTORY - Contributiuni asupra unor aspecte de boli profesionale intr-o fabrică de antibiotice - Nastase Gh., Speranta Gh. and Mărculescu D. - REV. MED. CHIR. IAŞI 1958, 62/1 (11-16)

Preliminary notes on occupational dermatoses in a penicillin factory. The intradermal test with penicillin was positive in 3.75% of those working in departments where penicillin was handled but who had never presented skin lesions, whereas positivity was observed in 16.6% of the workers who did present skin manifestations. This implies that not all of these skin manifestations were based on sensitization to penicillin, the more so as a number of skin eruptions were observed in workers who had had no contact with penicillin. No skin-sensitizing action of the substances employed for the purification of penicillin (butyl alcohol) was demonstrated by the tests. Most of the dermatoses originated in departments engaged in assay and crystallization of the antibiotic. In 1 case, the presence of Candida albicans was demonstrated in rhinopharyngeal cultures; this is explained as a result of suppression of antagonistic microorganisms.

Pecurariu - Orasul Stalin (L,2,13,17)

1401. PROFESSIONAL DERMATOSIS IN A LEATHER INDUSTRY - Dermatozele profesionale din industria de pielărie - Nastase Gh., Costea V., Carniol M., Mărculescu D. and Neaga V. Clin. Dermato-Venerol., Inst. de Med., Iaşi - REV. MED.-CHIR. IAŞI 1958, 62/2 (245-249)

The authors show the data resulting from some researches made in a tanning industry and shoe factory. Of the total of the workers, 58.24% had professional dermatoses, which were more numerous in the vegetable and mineral tanning department. In the shoe manufacturing department professional stigmata were particularly marked (callosities, fissures, colouring of the palms, palmar hyperkeratosis, atrophy of the nails, bursitis, pigmentations). There are few real professional dermatoses (folliculitis, dermatitis, pruritus) and, generally, mild forms. In conclusion, more protecting clothes and sanitary education of the workers are recommended. (XIII, 17, 19)

NASTASE, Gh., prof.; CARNIOL, M.; LAZAR, M.; LEIBOVICI, M.

Investigations on the capillarotoxic potency of blood serum in various dermatoses. Rumanian M Rev. no.4:59-62 O-D '60.
(SKIN diseases) (SERODIAGNOSIS)

RUMANIA

NASTASE, Gh., Prof.

Dermatology Clinic (Clinica de dermatologie), Iaşi.

Bucharest, Viata Medicală, No 13, 1 Jul 63, pp 865-870

"Occupational Dermatoses In the Agrozootechnical Department."

(1)

NASTASE, G.; MUNTEANU,M.; CARNIOL,M.; DOBRESCU,Al.; ILIES,M.; BALAN,N.

Entheropatic acrodermatitis. Reflexions on its aetiopathogenesis and therapy. Rumanian med. rev. 7 no.3:47-54 Ja-Mr'64

MASTASE, L., prof. (Bucuresti)

Trinidad-Tobago. Natura Geografie 14 no.6:75-77 N-D '62.

RUMANIA

PARASCHIVESCU, M., Dr, and NASTASE, L., Eng, of the Zootechnical Research Institute (Institutul de Cercetari Zootehnice).

"A Practical Method for the Estimation of Sheep Fecundity."

Bucharest, Revista de Zootehnie si Medicina Veterinara, Vol 16, No 4, Apr 66, pp 26-32.

Abstract [Authors' English summary modified]: The authors compared the actual fecundity rate observed for the sheep of an experimental station in Dobrogea with the fecundity rate calculated by the "non-return" method. They found the actual rate to be approximately 6 percent smaller than the calculated one and in view of the relatively small error recommend the method as a very convenient estimation process. While the number of animals did not affect the results, the accuracy of the estimate depended on the length of time between the start of the insemination campaign and the date of the fecundity estimation; the longer this interval, the smaller the error.
Includes 3 tables and 3 figures.

1/1

NASTASE, M.

Research on improving the start of the KD- 35 engine at low temperatures
p. 647

STUDII SI CERCETARI DE ENERGETICA. Bucuresti, Rumania. Vol. 7, no. 4, 1957

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

NASTASE, M. Gr.; VIDAN, M.

Variation of the absorption coefficients of X rays, depending on the thickness of the absorbing material. Rev mec appl 9 no.5:1101-1114 '64.

1. Institute of Applied Mechanics, Bucharest.

PAVELESCU, D.; ILIUC, I.; BARBUL, S.; PROCOPOVICE, E.; MASTASE, M.; CONSTANTINESCU, V.

A method of studying wear of bearings with radioisotopes.
Studii cerc mec apl 11 no.6:1397-1410 '60.

NASTASE, Mircea

Experimental studies on the influence of the injection of a combustible in the inlet pipe of an engine with ignition through compression with turbulent chamber. Studii cerc energet 11 no.2:401-406 '61.

OPRESCU, A.; NASTASE, M.

Study of the enrichment possibilities of Ruschita poor iron ore. Dari seama sed 48:323-336 '60/61 [publ.'62]

R/008/62/013/002/008/009
D272/D308

IV 4?0

AUTHOR: Năstase, M.

TITLE: Optimum parameters in the X and γ-ray defectoscopy

PERIODICAL: Studii şi cercetări de mecanică aplicată, no. 2, 1962, 517 - 527

TEXT: Various optimum parameters of exposure of items tested by means of X and γ-rays were studied, after having first determined the characteristic blackening curves of the film employed for X and γ-rays. The linear adsorption coefficient μ was determined by means of a radiometric method based on the logarithm of the radiation dose reaching the film $D = K.e^{-\mu x}.t$ (where t - the exposure time, K - a constant). Details are reported on the optimum time of exposure, which is correlated to the various thicknesses of material exposed to X and γ-rays by means of straight lines in semilogarithmic coordinates, according to the equation $t_2 = e^{-\mu(x_1 - x_2)}.t_1$ (where t_1 and x_1 are reference values). The problem of radiation energy and exposure of parts having variable thickness is examined. There are

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Optimum parameters in the ...

R/008/62/013/002/008/009
D272/D308

6 figures.

SUBMITTED: November 28, 1961

Card 2/2

NASTASE, Marin, ing.

Some aspects of the nondestructive defectoscopic control of tractor connecting rods by gammagraphy. Constr mas 15 no.11/12: 742-745 N-D '63.

NASTASE, M.; DANESCU, Al.; BLEZU, N.

Thermal conditions of the precombustion chamber and the combustion process in the antechamber of the diesel engine. Rev electrotechn energet 9 no.3:396-404 '64

NASTASE, M. Gr.; VIDAN, M.

Variation of coefficients of absorption of X rays depending on the thickness of absorbing material. Studii cerc mec apl 16 [i.e. 15] no.3:729-744 '64.

1. Submitted February 21, 1964.

L 33502-66 EWP(f)/T-2

ACC NR: AP6023495 SOURCE CODE: RU/0018/65/000/001/0007/0010

AUTHOR: Mastase, Mircea

ORG: none

TITLE: Mathematical relations for estimating the self-ignition delay in diesel engines

SOURCE: Constructia de masini, no. 1, 1965, 7-10

TOPIC TAGS: diesel engine, ignition lag

ABSTRACT: The author analyses the common mathematical relationships used to estimate the self-ignition delay in diesel engines, showing the results obtained with the use of different numerical values for the coefficients in the formulae suggested by Wolfer and by Serbinov and comparing them with experimentally observed values. Orig. art. has: 2 figures and 1 table. [JPRS]

SUB CODE: 21 / SUBM DATE: none / SOV REF: 003 / OTH REF: 003

Card 1/1

RUMANIA

GRIGORESCU, St.; NEDELCU, C.; MASTASE, M.; GHEORGHE, N.; and APOSTOLESCU, R.

"Experimental Studies on Hepatic Clearance in Irradiated Dogs"

Bucharest, Revista Sanitara Militara, Vol 16, Special No., 1965; pp 512-513

Abstract: In dogs irradiated 200 or 300 r, hepatic clearance of colloidal gold 198 or rose bengal iodine-131 was delayed. Whole-body radiation (400 r) effect on renal uptake of chromium-31, arsenic-75, sodium-24 and potassium-42 was also studied.

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Chlorpromazine"

Bucharest, Revista Sanitara Militara, Vol 16, Special No., 1965; p 513

NASTASE, M., candidat in stiinte economice; OPRESCU, I.

Increase of investment efficiency. Probleme econ 17
no.9:24-36 S '64.

NASTASE, Mircea

Polyphase aspect of the delay period in self-ignition, referring to the experiments carried out on engines ignited by compression with a separate turbulence chamber. Bul Inst Politeh 26 no.2:97-109 Mr-Ap '64.

1. Chair of Thermotechnics, Polytechnic Institute, Bucharest.

NASTASE, Mircea

Mathematical relations for estimating the self-ignition delay in diesel engines. Constr mas 17 no.1:7-10 Ja '65.

MIHAESCU, T.; MILIUTIN,A.; [illegible], V.; NASTAS[illegible], N.

Apparatus of measure and control of characteristic parameters of functioning of drilling turbines. Petrol si gaze 15 no.8: 454-459 Ag '64

COUNTRY : Rumania
CATEGORY :

ABS. JOUR. : RZKhim., No. 5 1960, No. 18303

AUTHOR : Cotrau, M., Sechter, A., and Nartase, V.
INST. : Not given
TITLE : Studies on the Effect of Superficial Aeration on the Degree of Sewage

ORIG. PUB. : Hidrotehnica, 4, No 2, 62-65 (1959)

ABSTRACT : The results from tests carried out during different seasons of the year are given. It was established that 2-hr settling lowers the concentration of coarse particles (SS) by 70%; increasing the settling time to 3 hrs results in a non-significant increase over the latter figure. The oxygen demand of the sewage is decreased by 40%. The lack of correlation between the lowering of the concentration of SS and in oxygen demand is explained by the decomposition of organic impuri-

CARD: 1/2

COUNTRY : Rumania

CATEGORY :

ABS. JOUR. : RZKhim., No. 1960, No.

AUTHOR :

INST. :

TITLE :

ORIG. PUB. :

ABSTRACT : ties, part of which is into solution. One-hour subsidence tests have shown that the concentration of mineral and albuminoid NH_3 (15 mg/liter) is decreased by 40%. After a settling time of 5 hrs, the proteins begin to decompose with a resultant further lowering of the concentration of albuminoid NH_3 and an increase in the concentration of free NH_3.

Ya. Ma [illegible]

CARD: 1/2

222

NASTASE, V., ing.

Problems of the typification of component parts of different furniture pieces. Ind lemnului 15 no. 1:19-23 Ja '64.

NASTASEANU, Aurelia

ROMANIA

NASTASEANU, Aurelia; BOLCANU, Mihai.

Bucharest, Comunicarile Academiei Republicii Populare Romine, Vol XIII, No 12, 1963, pp 1089-1093

"Presence of the Hildoceratidae Bifrons Zone in the Haghimas-Ciuc Synclinal." (Paper presented by Academician M. G. Filipescu, at the meeting of 13 June 1963.)

[redacted], Gr.; [redacted]

Contributions to the geology of the Valle[illegible] the Resita zone. Stud[illegible] geol geof geogr [illegible] 2:2[illegible] '64.

1. Faculty of Geology and Geography, University of Bucharest. Submitted May [illegible], 1964.

NASTASEANU, S.; RALIEANU, G.

Upper Paleozoic horizons of the Ciudanovita-Lupac (Banat) region. p. 135.

ANALELE SERIA STINTELOR NATURII. Bucuresti, Rumania. Vol. 7, no. 18, 1958.

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

Uncl.

MASTACAN, S.; DINCA, Al.

Contributions to the knowledge of the Hauterivian in the Resita-Moldova Noua-Banat zone. Dari seama sed 48'141-152 '60/61 [publ. '62].

CODARCEA, Al., acad.; NASTASEANU, S.; MERCUS, D.

Age of the strata of Sinaia in the region Portile de Fier-Vircicrova. Comunicarile AR 11 no.11:1399-1405 N '61.

CODARCEA, Al., acad.; NASTASEANU, S.; MERCUS, D.

Presence of the Urgonian in the region of Cazane. Comunicarile AR 12 no.4:453-455 Ap '62.

BAILEANU, Gr.; NASTASEANU, S.; BOLDUR, C.

New data on the west tectonic limit of the Resita zone (Banat).
Studii cerc geol 8 no.1:7-11 '63.

1. Communicare prezentata de academician G. Murgeanu.

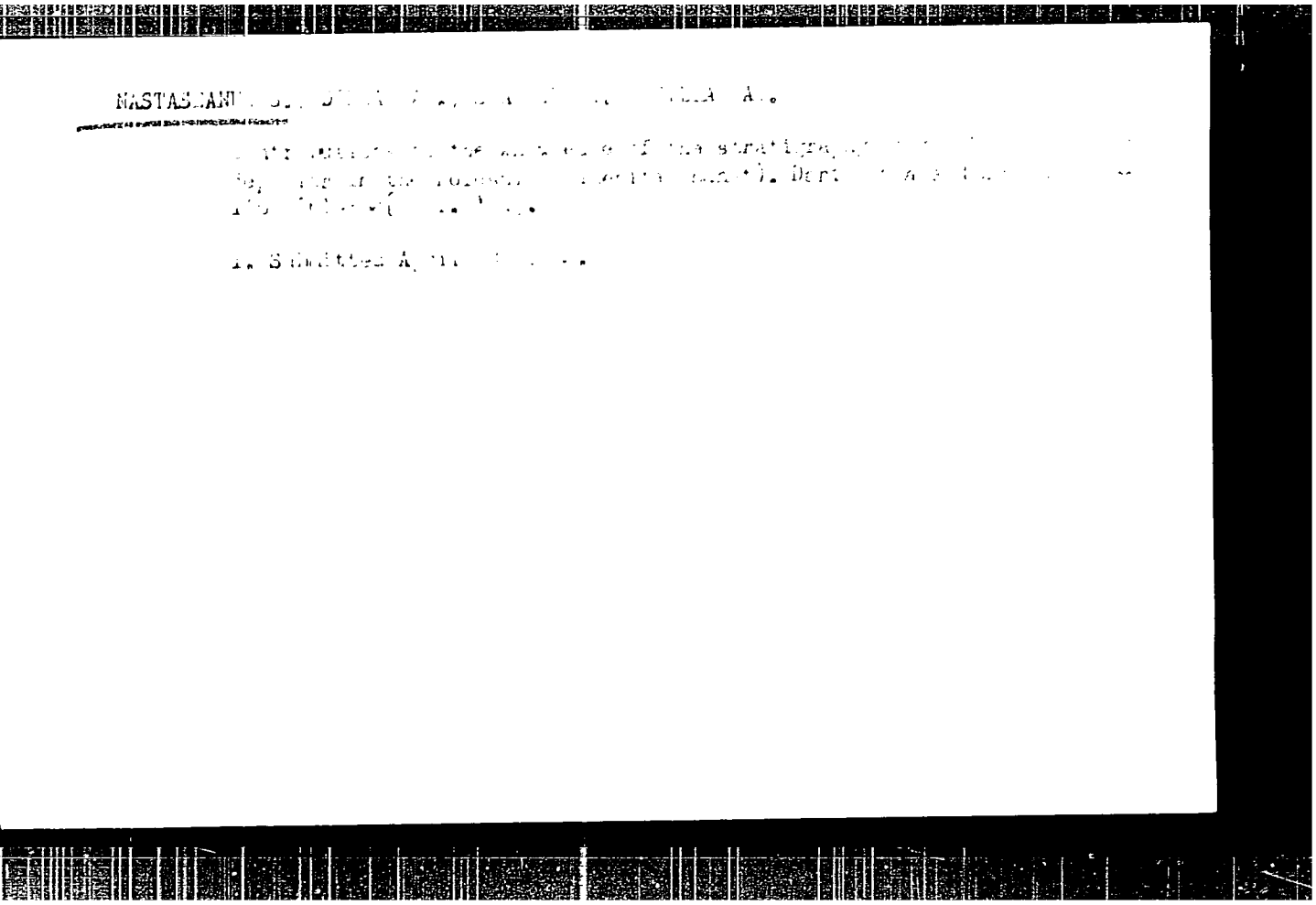
RAILEANU, Gr.; NASTASEANU, S.

On the presence of a form of Arthrophycus alleghaniensis (Harlan) in the Transylvanian Alps. Communicarile AR 13 no.5:439-443 My '63.

1. Comunicare prezentata de academician M.G. Filipescu.

RAILEANU, Gr., NASTASEANU, S., BOLDUR, C.

New data on the western tectonic boundary of the Resita (Banat) area. Rev geol geog Rum 7 no. 2: 199-202 '63.



MASTASRANU, S.

On the presence of Lopha carinata (Lamarck) at Doman.
Dari seama sed 46:143-146 '58/59 [publ. '62].

[redacted]

NASTASEANU, S.; STILLA, Al.

Considerations on the presence of Urgonian east of Baile Herculane (Banat). Dari seama sed 49 pt.1:77-79 '61-'62 [publ. '64].

1. Submitted March 16, 1962.

L 21430-65 EWT(m)/EWA(h)/EWP(k)/EWT(d)/EWT(1)/EWA(m)/FCS(k)/EWA(d)/EWA(1)/EWP(w)/EWP(v) Pd-1/Pf-4/Peb AEDC(a)/ASD(f)-3/AFETR/AFTC(b) EM
ACCESSION NR: AP5001259 P/0133/64/016/003/0813/0827

AUTHOR: Carafoli, E. (Bucharest); Nastase-Ghib, A. (Bucharest) B

TITLE: The use of a method of residues for the study of the minimum resistance of a trapezoidal wing within a supersonic flow

SOURCE: Archivum mechaniki stosowanej, v. 16, no. 3, 1964, 813-827

TOPIC TAGS: aerodynamics, supersonic flow, trapezoidal wing, minimum air resistance

ABSTRACT: In an earlier paper, the authors (Mekhanika, 1, 1961, Moscow) reduced the minimum resistance problem to the solution of a linear algebraic system. However, the calculation of its coefficients lead to an integral of the type

$$J_k = \int \frac{y^k dy}{\sqrt{B(l_1 - y)(1 + By)}} \qquad (1.1)$$

whose evaluation is quite tedious. To avoid these difficulties another method has been devised for the calculation of the aerodynamic characteristics which, using the function of complex variables, leads to the method of residues. It generates the same linear algebraic

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ACCESSION NR: AP5001259

equations but the coefficients turn out to be fully defined without any integration. The method is used here for the determination (within a supersonic flow) of the surface of a thin trapezoidal wing having the minimum drag, as well as the lift, pitch, central profile, and the plane projection (assuming a symmetrical trapezoid). Orig. art. has: 55 formulas and 3 figures.

ASSOCIATION: Institute of Applied Mechanics, Academy of the Romanian Peoples Republic

SUBMITTED: 00 ENCL: 00 SUB CODE: ME, AC

NO REF SOV: 001 OTHER: 006

Card 2/2

RUSU, E.; NASTASESCU, C., elev (Pucioasa); PIRSAN, L.; MIRZAN, D., prof. (R. Vilcea); BAGHINA, V., prof. (Breaza); TUDOR, C.N., student (Bucuresti); SCHWARTZ, Lajos (Oradea); LUDMANN, Tamas (Galati); PIKO, Janos (Oradea)

Solved problems. Gas mat B 14 no.10:607-617 O '63.

POPESCU, Nicolae (Bucuresti); NITA, [illegible] (Bucuresti); NASTASESCU, [illegible] (Bucuresti); BALTA, [illegible] (Bucuresti)

Proposed problems. Gaz met fiz [illegible] nr [illegible]20C My [illegible].