M

: CULTIVATED PLANTS ...

Abstract: ...9% in the Italian Riesling, 41.2% in the ... from ..., and 81.9% in the Muscat Hamburg.--M.T. Zhukovskaya

Card: 3/3

Abs Jour : Ref Zhur - Biol., No 14, 1958, No 65911

Author : Constantinescu N., Micu, I., Munteanu G., Gheorghiu M., Birzu, N., Blindu P., Vacs L.
Inst : Rumanian Academy
Title : Preliminary Data on the Allergic Intradermal Test in Epidemic Hepatitis

Orig Pub : Comun. Acad. RPR, 1957, 7, No 2, 273-277

Abstract : By means of the Vladimirova intradermal test (Clinic. Med., 1951, 7), the authors detected the presence of an autoallergen (AA) in a filtrate of gastric juice from a patient with epidemic hepatitis throughout the course of the disease. The AA reaction was negative in well persons and in patients with gastric and hepatic diseases.

Card : 1/1

MICU, I., dr.; OVANESCU, Al., dr.; CUCIUREANU, Georgeta, dr.; BEJENARIU, C., dr.

Pyocyanic and staphylococcal septicopyohemia with pleural focus. Med. intern., Bucur 12 no.10:1531-1536 O '60.

1. Lucrare efectuata in Clinica de boli contagioase Iasi (director: prof. Maria Franche).

(SEPTICEMIA etiol.) (STAPHYLOCOCCAL INFECTIONS case reports) (PLEURA dis.)

NICOLAU, St. S., acad.; CONSTANTINESCU, N.; BIRZU, N.; ZAVATE, O.; MICU, I. TEODOROVICI, Gr.

Evolution of human rabies comparatively studied in both treated and untreated patients with antirabic vaccine. Consecutive therapeutic directives. Studii cerc inframicrobiol Special issue-supplement to 12:133-143 '61.

1. Institutul de inframicrobiologie al Academiei R.P.R. si Institutul de igiena, Iasi. 2. Membru al Comitetului de redactie si redactor responsabil, "Studii si cercetari de inframicrobiologie"(for Nicolau).

(HYDROPHOBIA)

CONSTANTINESCU, N.; CEPLEANU, M.; ICU, I.; BIRZU, N.; ZAVATE, O.; MORARU, A.

Strains of the modified rabic virus, isolated from human meningo-encephalomyelitis with a course atypical of rabies. Studii cerc inframicrobiol Special issue-supplement to 12:167-174 '61.

1. Institutul de inframicrobiologie al Academiei R.P.R. si Institutul de igiena, Iasi.

(HYDROPHOBIA) (ENCEPHALOMYELITIS)

NICOLAU, S.St, academician; ZAVATE, O.; CONSTANTINESCU, N.; MICU, I.; BIRZU, N.; RUSU, Florica; OVANESCU, Al.

Research on viral infectious hepatitis (V.I.H.) transmitted by parenteral route. Stud. cercet. inframicrobiol. 12 no.4:421-435 '61.

(HEPATITIS, INFECTIOUS transmission)
(INJECTIONS complications) (HOSPITALS)

BALDOVIN-AGAPI, Corălia, dr.; FRANCHE, Maria, prof.; BELCIU, Irina, dr.; MICU, I., dr.; CVANESCU, A., dr.; ANDRONCVICI, G., dr.; BRAUNER, E., dr.; RADULESCU, A., dr.; DIMITRIU, St., dr.; DIMITRIU, A., dr.; RUGINA, N., dr.; BLINDU, P., dr.

Receptivity to scarlet fever assessed by Dick's reaction with fractional doses of purified toxin. Microbiologia (Bucur) 6 no. 1:69-76 Ja-F '62.

1. Institutul "Dr. I. Cantacuzino" si Spitalul "Izolarea" din Iasi.

RUMANIA

[illegible]CU, I.; OANA, C.; [illegible]ARITA, I.; IOAN, Elena; [illegible]; MIHUL, Valentina; VLAIN, C.; [illegible], Liliana; [illegible], I.; IOSEFSOHN, Iuditta; [illegible]; MOSANU, P.; [illegible], Sh.

Clinic of Contagious Diseases [illegible], Iasi [illegible] (Clinica de boli contagioase Iasi, [illegible])
- (for all)

Bucharest, Viata Medicala, No 7, 1 Apr 63, pp 377-380.

"Epidemic of Ornithosis in a [illegible] Locality."

13

FRANCHE, Maria; MICU, I.; BALTIEV, Ariadna; DUMITRIU, St.; FELLER, H.; APOSTOL, A.; BRÄUNER, E.; CONSTANTINESCU, N.; ZAVATE, Olga; DOGARU, Maria; NICA, V.

Research on recurrences of exanthematous typhus. II. Comparative clinical aspects of typhus recurrences and primary infections. Stud. cercet. inframicrobiol. 15:no.3:211-224 '64.

ZAVATE, Olga, CONSTANTINESCU, N.; DOGARU, Maria, MORARU, Anuta, FRANCHE, Maria, MICU, I., BALTIEV, Ariadna

Research on recurrences of exanthematous typhus. IV. State of rickettsemia in sporadic typhus primoinfection and in recurrences. Stud. cercet. inframicrobiol., 15 no.3:255-267 '64.

2105. A CASE OF CONGENITAL TUBERCULOSIS - Veleszületett tuberkulózis esete - Deutsch M. and Micu J. Szatmár Egyesített Kórház Tüdőosztál. Közl. - ORV. SZLE 1958, 4/6 (538-539)

Mention is made of the low frequency of these cases and a description is given of a 19-day-old infant admitted with a 3-day history of influenza and bronchopneumonia. Birth weight was 2,650 g. BCG vaccination was given on the 8th day. Body weight was only 2,500 g. on admission; there was insomnia, diarrhoea and predystrophy. Perioral cyanosis was also seen. No X-ray film was made. Fluoroscopic examination showed densification at the hilus. Enlarged lymph nodes were palpable in the left axillary region. The CSF was Pandy-positive. The tuberculin test (1:10,000) was negative. Blood counts: erythrocytes 3.9 million, leucocytes 20,600, Hb 75%. Streptomycin and isoniazid were given. On the 26th day of illness the subject died after further loss of weight. Autopsy revealed miliary tb. No tb was elicited in the home environment. Eight days after the child's admission the mother developed fever, cough and abdominal pain, and likewise showed miliary tb. It is suggested that infection of the infant had probably been intraplacental, being effected during the last few months of pregnancy.

Schaich - Luisenheim (XV, 7, 10)

ROSU, E.; MICU, L.; BAN, I.

Preparation of injection solutions of novocaine with pyramidon and sodium amytal. Apt. delo 10 no. 1:94 Ja-F '61. (MIRA 14:2)
(NOVOCAINE)

MICU, L., ing.

Problems on the magnetoelectric galvanometers and their selection for various mountings. Metrologia apl 10 no.4:162-168 Ap '63.

MICU, L., ing.

Some considerations connected with the use of the Wheatstone bridge. Metrologia apl 10 no.9:411-417 S '63.

MICU, M. ; CIULLI, S.

Diffusive and dispersive propagation of gravitational waves in a vacuum; also, remarks by c. Aretin, p. 507. Academia Republicii Populare Romine. Institutul de Fizica. STUDII SI CERCETARI DE FIZICA. Bucuresti. Vol. 6, no. 3, July/Sept. 1955.

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

PA - 2048

AUTHOR: ČJULILI,S., ~~MIKU,M.~~

TITLE: The Statistical Method for the Study of the Behavior of a Totality of Charged Particles under the Effect of an Own Magnetic Field (Russian).

PERIODICAL: Atomnaia Energiia, 1957, Vol 2, Nr 1, pp 5-9 (U.S.S.R.)
Received: 3 / 1957 Reviewed: 3 / 1957

ABSTRACT: The present work shows the existence of steady solutions for the function of the statistical distribution of particles in a gas discharge. On this occasion the discharge is held back round the symmetry axis only under the influence of its own magnetic field. The gas is assumed to be sufficiently warm and to be fully ionized. Therefore the influence exercised by the diffusion of neutral atoms into the plasma is not taken into account. The equations of relativistic statistics for the totality of the charged particles which are under the influence of their own field are written down in the form given by S.CICEJKA. If the rationalized system of GAUSS units and of the antisymmetric tensor

$B^{\mu\nu}$ for the electromagnetic field is used, the following equations are obtained: $\frac{\partial}{\partial x_\mu}(\xi^\mu F_{1,2}) + \frac{e_{1,2}}{m_{1,2}} B^{\mu\nu} \xi_\nu \frac{\partial F_{1,2}}{\partial \xi^\mu} = 0$

Card 1/3

The Statistical Method for the Study of the Behavior of a Totality of Charged Particles under the Effect of an Own Magnetic Field (Russian).

$B_{\mu\nu} = \partial A_\mu/\partial x^\nu - \partial A_\nu/\partial x^\mu$, $\Box A^\mu = -j^\mu$. Here $\{^\mu$ denotes the four-vector of velocity, F_1 - the distribution function of the ions, F_2 - the distribution function of the electrons, j^μ - the four-vector of the flux of charged particles. The present work solves the integrodifferential equations for the steady isothermal distribution with axial symmetry, all computations being carried out in nonrelativistic approximation.
The field $B^{\mu\nu}$ can be expressed by the components of the fourdimensional vector A^μ. The solution of the wave equation for A^μ is given, and also the herefrom resulting components of B_{12}. In the case of cylinder symmetry the functions F_1 and F_2 do not depend on φ and the components B_{12}, B_{23}, B_{24}, B_{34} vanish in this case. The expressions for B^{13}, and B^{14} are explicitly given. The first of the above mentioned

The Statistical Method for the Study of the Behavior of a Totality of Charged Particles under the Effect of an Own Magnetic Field (Russian).

equations is specialized for this case. By separation of the variable the authors endeavor to find a solution which satisfies the condition $e_1 f_1 + e_2 f_2$. On the occasion of transition to a system of reference in which electrons and ions have the same absolute velocity the equations for f_1 and f_2 become identical. In the case of equal initial conditions $(f_1(0) - f_2(0))$ both functions thus become identical. The necessary operations of computation are discussed in short. An equation for f(r) is given and several times transformed, its solution is written down in implicit form and is also transformed. The results obtained here are correct only if the density of the ions (f) becomes very low near the interior walls of the tube (where temperature must not exceed a certain limit). In conclusion the definite form of the function of statistical distribution is given.

ASSOCIATION: Institute for Nuclear Physics, Bucarest, Roumania
PRESENTED BY:
SUBMITTED:
AVAILABLE: Library of Congress

MICU, M

RUMANIA/Electronics - Electrical Discharges of Gases and Gas Discharge Apparatus.

Abs Jour : Ref Zhur Fizika, No 1, 1960, 1528

Author : Ciulli, S., Micu, M.
Inst : -
Title : Plasma Oscillations in a Static External Magnetic Field.

Orig Pub : Studii si cercetari fiz - Acad. RPR, 1958, 9, No 4, 489-496

Abstract : By using the Boltzmann equation, the author finds the distribution function of a beam of electrons in a plasma with cylindrical symmetry, located in an axial magnetic field. The perturbations of the stationary distributions are investigated by calculating the deviations of the first-order moments from their Maxwellian value. The values of the perturbations of the magnetic field and of the distributi-

Card 1/2

MICU, M

19

✓ **Reduced widths for deuteron emission calculated by means of the nuclear shell model.** M. Micu and A. Săndulescu. *Acad. rep. populare Romîne, Inst. fiz. atomica și Inst. fiz., Studii cercetări fiz.* 10, 257-70(1959); cf. Lane, *C.A.* 48, 6269e.—A study is presented on reduced widths in reactions with deuterons produced by complex nuclei, calcd. by means of the nuclear shell model. Anal. expressions of reduced widths have been obtained for the case of the complex system of *n* equiv. nucleons, on the outside of a closed shell, as well as in the particular case when there is only one single nucleon. Each expression is obtained in the case of the 2 extreme couplings *L S* and *j j* of the nuclear shell model. Results are compared with exptl. results in the case of the reactions $He^6 \rightarrow T^4 + D^2$ and $Li^6 \rightarrow He^4 + D^2$. M. Lapidus

5

cfk

MICU, M.

19

Reduced widths for nuclear emission, according to Nilsson's model. M. Micu and A. Sănătescu. *Acad. rep. populare Romîne, Inst. fiz. atomică şi fizică Ra., Studii cercetări fiz.* 10, 651–7(1959)(English summary).—The reduced widths for a single nucleon emission were calcd. and it was found that the nuclear wave function is separately antisym. with respect to neutrons and protons, the individual wave functions being those given by N. (*CA* 50, 7605h). Theoretical results were compared with exptl. data for a few light nuclei — N^{15}, N^{14}, F^{17}, B^{13}, C^{13}, O^{17}.

M. Ben Eliezer

5

MICU, M.

The Coulomb excitation of particles, due to the quadrupole moment of the projectile. Studii cer.fiz. 10 no.4:659-671 '59.
(EEAI 9:5)

(Particles) (Nuclear moments) (Electric moment)

MICU, M.

On the transition intensities in disintegration β. Studii cerc fiz 11 no.2:437-439 '60. (EEAI 10:1)
(Beta rays) (Electric moment) (Radioactivity)

MICU, M.

Stability of a plasma contracted by an electromagnetic field.
Studii cerc fiz 11 no.4:827-836 '60. (EEAI 10:8)

1. Institutul de fizica atomica, Bucuresti.
(Fluids) (Electromagnetic fields) (Mathieu functions)
(Plasma(Ionized gases))

21306
P/045/61/000/002/004/006
B108/B209

24.1500

AUTHOR: Micu, M.

TITLE: Angular correlation theory with the Jacob-Wick method

PERIODICAL: Acta Physica Polonica, v. 20, no. 2, 1961, 157-159

TEXT: In the present paper, some simplifications in the angular correlation theory are made following the procedure applied by M. Jacob and G. C. Wick (Ref. 2: Ann. Phys., 7, 404 (1959)) in the collision theory. The state of the initial nucleus A is $|a;j_A m_A\rangle$. a stands for all the quantum numbers of this nucleus except spin (j_A) and its projection on the z-axis (m_A). If $S_1(S_2)$ is the S matrix which effects the first (second) transition in the cascade decay $A \longrightarrow B + d_1$, $B \longrightarrow C + d_2$, the final state is $\psi = S_2 S_1 |a;j_A m_A\rangle$ (3). In the momentum-helicity representation for the relative motion this reads

$$\psi = \sum_{k,\lambda_1,\lambda_B} \delta_3 |\vec{k}_1 \lambda_1 \lambda_B\rangle \langle \vec{k}_1 \lambda_1 \lambda_B |S_1| a;j_A m_A\rangle \qquad (4)$$

Card 1/5

Angular correlation ...

and, since the S matrix is Lorentz-invariant, the final state becomes

$$\Psi = \sum_{\substack{\vec{k}_1\lambda_1\lambda_B \\ \vec{k}_2\lambda_2\lambda_C}} (-1)^{j_B-\lambda_B} |\vec{k}_2\lambda_2\lambda_C; \vec{k}_1\lambda_1\rangle \langle \vec{k}_2\lambda_2\lambda_C|S_2|\, b; j_B - \lambda_B\rangle \langle \vec{k}_1\lambda_1\lambda_B|S_1|\, a; j_A m_A\rangle \quad (5)$$

The ket vector $|\vec{k}_2\lambda_2\lambda_C;\vec{k}_1\lambda_1\rangle$ describes the following state: The free particle d_1 with momentum $\vec{k}_1$ and helicity λ_1, the free particle d_2 with momentum $\vec{k}_2$ and helicity λ_2, and the nucleus C with momentum $-\vec{k}_2$ and helicity λ_c. The first momentum is referred to a frame, in which the nucleus A is at rest while both the second and the third momentum are referred to a frame, in which the nucleus B is at rest. The probability to find this state in the final state is

$$W = |\sum_{\lambda_B} \langle \vec{k}_2\lambda_2\lambda_C|S_2|\, b; j_B - \lambda_B\rangle \langle \vec{k}_1\lambda_1\lambda_B|S_1|\, a; j_A m_A\rangle|^2 \quad (6)$$

The two wave functions used by Jacob and Wick in their paper are interrelated by the matrix (?)

Card 2/5

Angular correlation ...

in the form

$$|\vec{p}\lambda_1\lambda_2\rangle = \sum_{JM} |JM\lambda_1\lambda_2\rangle\langle JM\lambda_1\lambda_2|\vec{p}\lambda_1\lambda_2\rangle \qquad (1) \quad (1)$$

where $\vec{p}$ denotes the relative momentum. By using Eq. (1), one obtains

$$\langle \vec{k}_1\lambda_1\lambda_B|S_1|a;j_A m_A\rangle = \langle \vec{k}_1\lambda_1\lambda_B|j_A m_A\lambda_1\lambda_B\rangle\langle\lambda_1\lambda_B|S_1^{j_A}|a\rangle \qquad (7) \quad (7)$$

where $S_1^{j_A}$ represents the submatrix of S_1 belonging to a given angular momentum j_A. If parity is conserved in the decay $A \longrightarrow B + d_1$, one finds

$$\langle\lambda_1\lambda_B|S_1^{j_A}|a\rangle = \frac{\eta_1\eta_B}{\eta_A}\langle -\lambda_1 -\lambda_B|S_1^{j_A}|a\rangle \qquad (8) \quad (8)$$

the quantities η being the parity factors. If the initial nucleus is unpolarized,

$$W = \sum_{\lambda_B\lambda_C} |\mathcal{D}^{j_B}_{\lambda_B\lambda_C-\lambda_1}(\varphi\,\theta-\varphi)|^2\,|\langle\lambda_2\lambda_C|S_2^{j_B}|b\rangle\langle\lambda_1\lambda_B|S_1^{j_A}|a\rangle|^2 \qquad (9)$$

which, for detectors insensitive to polarization, becomes

Card 3/5

Angular correlation ...

$$W = \sum_{\substack{\lambda_1 \lambda_2 \lambda_B \\ \lambda_C k}} (-1)^{\lambda_B + \lambda_C + \lambda_2} |\langle \lambda_2 \lambda_C | S_2^{j_B} | b \rangle \langle \lambda_1 \lambda_B | S_1^{j_A} | a \rangle|^2 C^{j_B\, j_B\, k}_{\lambda_B - \lambda_B 0} C^{j_B\, j_B\, k}_{\lambda_1 - \lambda_C \lambda_C - \lambda_2 0} P_k (\cos \theta) \tag{10}$$

For any polarization detection the author introduces the efficiency matrix ε and the density matrix ϱ of the final state (5), and from the formula $W = \mathrm{Spur}(\varrho \varepsilon)$ he obtains

$$W = \sum_{k \varkappa_1 \varkappa_2} B^k_{\varkappa_1}(1)\, B^k_{\varkappa_2}(2)\, \mathcal{D}^k_{\varkappa_2 \varkappa_1}(\varphi\, \theta - \varphi) \tag{11}$$

where

$$B^k_{\varkappa_1}(1) = \sum_{\lambda_1 \lambda_1' \lambda_B \lambda_B'} (-1)^{j_B - \lambda_B} \langle \lambda_1 \lambda_B | S_1^{j_A} | a \rangle \langle \lambda_1' \lambda_B' | S_1^{j_A} | a \rangle^* C^{j_B\, j_B\, k}_{\lambda_B - \lambda_B' \varkappa_1} \langle \lambda_1' | e_1 | \lambda_1 \rangle\, \delta_{\lambda_1 - \lambda_B, \lambda_1' - \lambda_B'} \tag{12}$$

$$B^k_{\varkappa_2}(2) = \sum_{\lambda_2 \lambda_2' \lambda_C} (-1)^{\lambda_C - \lambda_2 - j_B} \langle \lambda_2 \lambda_C | S_2^{j_B} | b \rangle \langle \lambda_2' \lambda_C | S_2^{j_B} | b \rangle^* C^{j_B\, j_B\, k}_{\lambda_C - \lambda_2 \lambda_2' - \lambda_C \varkappa_2} \langle \lambda_2' | e_2 | \lambda_2 \rangle \tag{13}$$

with ε_1 (ε_2) referring to the polarization detection of the first (second) radiation. The meaning of the angles θ, φ used in the angular correlation

Card 4/5

Angular correlation . . .

formula is the following: If θ_1, φ_1 determine the direction of the momentum $\vec{k}_1$ in the initial (center of mass) frame, the angles θ, φ determine the direction of the momentum $\vec{k}_2$ in the frame obtained by rotation and subsequent Lorentz transformation in the direction of the new z-axis. The Lorentz transformation was chosen so that in the final frame the nucleus B was at rest. If the masses of the nuclei A, B, and C are greater than the masses of the particles d_1 and d_2, the Lorentz transformation is not necessary and θ is the angle between the momenta of the emitted particles d_1 and d_2

There are 2 non-Soviet-bloc references.

ASSOCIATION: Institute for Atomic Physics, Bucharest

SUBMITTED: August 5, 1960

Card 5/5

MICU, M.

Compound nucleus influence on Coulomb excitation. Acta physica Pol 23 no.3:305-320 Mr '63.

1. Institute for Atomic Physics, Bucharest.

MICU, M.

Systematic development of labor productivity. Munca sindic 7 no.4: 12-14 Ap '63.

1. Presedinte al comitetului sindicatului uzinele "Infratirea", Oradea.

MICU, S. ; TUDOSOIU, P.

"System of technical maintenance of tractors in forest protective stations." p. 37. (REVISTA PADURILOR, Vol. 68, no. 4, April 1953, Bucuresti, Rumania)

SO: Monthly List of East European Accessions, L. C., Vol. 3, No. 4, April 1954, Uncl.

MICU, S.; VLAD, I.

"Degree of mechanization in model nurseries and machines used in various technical phases". p. 226, (REVISTA PADURILOR, Vol. 69, No. 5, May 1954, Bucuresi, Rumania)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 12, Dec. 1954, Uncl.

MICU, Viorel

Putting the themat.c plan of innovations into practice. Munca sindic 6 no.7:38-40 Jl '62.

MICULESCU, R.; BERCU, S.; DRAGAN, I.

"Determination of the free expansion of copper and brass, laminated with noncalibrated cylinders. In French."

p. 107 (Revue De Metallurgie. Journal of Metallurgy) Vol. 1, 1956
Bucharest, Rumania

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958

MICULESCU, R.

"Improvement of the technological process in manufacturing tires in the Resita Metallurgic Combine."

p. 351 (Studii Si Cercetari De Metalurgie) Vol. 2, no. 3, 1957
Bucharest, Rumania

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958

HAUPTMANN, Erik, dr.; MICULINIC, Rudolf, dr.

Comparative studies on the IGT, chlorpropamide and tolbutamide test. Lijecn. vjesn. 86 no.4:427-432 Ap 64

1. Iz Internog odjela Bolnice "Dr. O. Novosel", Medicinskog fakulteta u Zagrebu.

CZECHOSLOVAKIA / Weeds and Weed Control N

Abs Jour: Ref Zhur-Biol., 1958, No 17, 77967

Author : Miculka, B.
Inst : ~~Not given~~
Title : Use of 2.4-D for Control of Weeds in Berry Patches.

Orig Pub: Ovoenar. a zelinar., 1956, 4, No 6, 166-168

Abstract: When spraying berry patches with herbicides, it is necessary to take into account the stage of development of the plants. With 2.4-D spraying of soil in a dose of 3 kg/ha of 100 m^2 through 6 weeks immediately before transplanting strawberries, 12 kg of weeds were counted; on the control plot, there were 555 kg. But, in addition on the

Card 1/2

MICUK, Bratislav, Inz.

Evaluation of strawberry varieties for carrying [illegible]
16 no.1:38-42 Ja '66.

1. Plant cultivation station, Velenje. Submitted [illegible]
1964.

MICULKA, Bretislav, Inz.

Refractometric dry matter in strawberries of world assortment. Rost vyroba 11 no 3:287-302 Mr '65.

1. Cultivation Station, Velehrad. Submitted February 5, 1964.

BANKOVSKIY, Yu.A.; MIKHLOVINA, Z.V., TSIRULE, Ya.A.; IYEVIN'SH, A.F. [Ievins, A.]

8-Chloro-8-mercaptoquinoline and its salts. Metod.poluch.khim.reak.i prepar. no.4/5:79-85 '62. (MIRA 17:4)

1. Institut khimii AN Latviyskoy SSR.

MICUS, G.

7

1351. Apparatus for the determination of the explosion limits of vapour-air mixtures of combustible liquids. (In German.) G. Micus and B. Taraszewski. *Chem. Ing. Tech.*, 1957. 29, 278–[illegible].—A very compact glass apparatus is described for the determination of the explosion limits of vapour-air mixtures. A stream of air is saturated by bubbling through the liq and is passed into the explosion chamber. The mixture in this chamber may be subjected to a spark passed between 2 platinum electrodes. The whole apparatus is maintained at a given temp. The use of the apparatus is described, and the results compared with values taken from the literature.

P. J. K.

4.

Chem

Exhibit

MICUSAN, V.V.; RUZILA, Lucia

Antigenicity relations between the maternal seric proteins, the colostrum immunoglobulins, and the seric proteins of the new born calf. Studii cerc biochimie 7 no.2:213-219 '64.

1. Laboratory of Biochemistry of the Zootechnical Research Institute, and the Institute of Biochemistry, Rumanian Academy, Bucharest. Submitted February 1', 1964.

POPOVICI, D.Gh.; MICUSAN, V.V.

Research on protein fractions in maternal blood, newborn blood, and in goat colostrum. Studii cerc biochimie 6 no.1:39-48 '63.

1. Laboratorul de biochimie, Institutul de cercetari zootehnice, Bucuresti.

MACAROVICI, Const. Gh.; MICU-SMENIUC, Rodica

Study of complex combinations with diphenylic derivatives. Pt.8.
Studia Univ B-B S Chem 8 no.1:151-161 '63

1. "Babes-Bolyai" University, Cluj.

MACAROVICI, Const. Gr.; MICU-SEMENIUC, Rodica

Study of complex combinations of diphenyl derivatives. P. II.
Rev. chimie Roum 9 no.2:127-130 F '64

1. Laboratory of General Chemistry, University of Cluj.

MICYK, Albin

Talc schists in the Sobotka Mountain region. Przegl geolog 10 no.7:365-366 Jl '62.