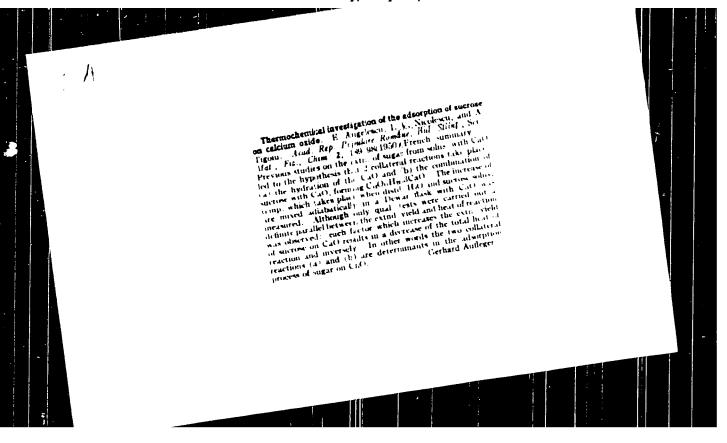


"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136830



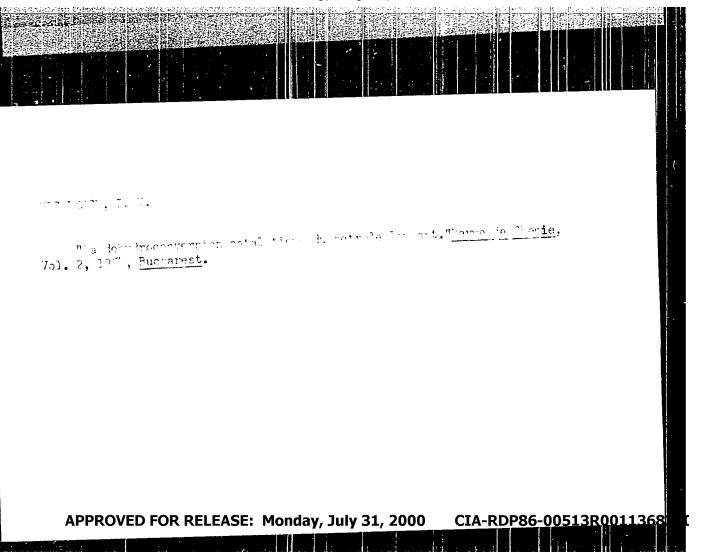
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NICCLESCU, T.

"The Catalytic addition of Hydrochleric Acid to the Eutanebuten's "THE Catalytic addition of Hydrochleric Acid to the Eutanebuten's Fraction of Cases From Oil Cracking, Page From Printing, Fraction of Cases From Oil Cracking, Pumania. Vol. 3, No.2-4, Apr./Dec. 1991. Hugurecti, Pumania. Vol. 3, No.2-4, Apr./Dec. 1991. Hugurecti, Pumania. Vol. 3, No.14, Apr./Dec. 1991. Hugurecti, Pumania. Vol. 3, No.11, Nov.1993.
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MICOLFECU, I.

"Research on the Adsorption of Hydrochloric Acid to Matural Alumosilicate Catalyzers. Note 1. p.263." BULLTIN CITINTIFIC. Vol.3, No.2-1, No.2-1, No.2-1, Bucurresti Rumania.

SO: Monthly List of East European Accessions, L.C. Vol. 2, No.11, Nov. 193 Uncl.



NICOLESCU, I.

Catalytic dehydroconversion of kerosens. p. 171 Vol. 2, No. 3/h/, July/Dec. 195h, Bucuresti, Rumania

SOURCE: Monthly List of East European Accessions, (EEAL), L. of C., Vol. 5, No. 10, October 1956.

CIA-RDP86-00513R001136830

NICOLESCU, I. ; MODESTINU, A.

Studies on the catalytic dehydrogenation of certain alkylbenzenes; the activity of caralysts Cr₂O₃ -CuO - Al₂O₃ in the dehydrogenation of isopropylcenzene into methylstyrolene. In French. p. 143. (REVUE DE CHIMIE. RUMANIA. Vol. 1, no. 1, 1956.)

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

NicolEscu, I.V.

RUMANIA/Physical Chemistry - Kinetics. Combustion. Explosives. Topothemistry. Catalysis P-9

Abs Jou:

: Referat Zhur - Khimiya, No 2, 1957, 3861

Author

: Nicolescu I.V., Modestinu A., Popescu A.I. : Academy of Rumanian People's Republic

Inst

Title

: Catalytic Action of Gome Atomisum Silicates in the

Synthesis of Isopropyl Chloride from Cracking Games

Orig Pub

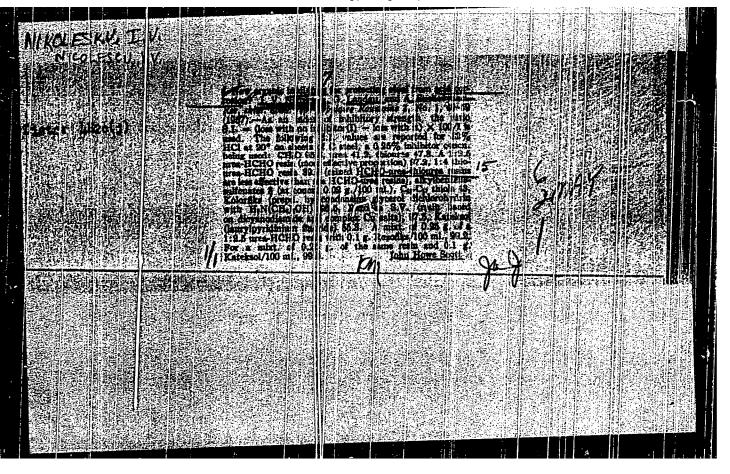
: Commum. Acad. RFR, 1956, 6, No 1, 63-70

Abstract

: At temperatures of 24-145° and space velocities 17-36, as study was made of the catalytic activity (in the reaction $C_3H_6 + HC1 := iso-C_3H_6(1)$ of silica gel, silica gel impregnated with 15% FeCl3, synthetic ragnesium-aluminum silicate (Al_2O_3 : SiO₂:MgO = 11:80:9), and bentonite clay having the composition SiO₂:Fe₂O₃:Ai₂O₃ = 62.88:12.46: 18.40 (I). Catalytic activity of all the investigated catalysts decreases with increase of the reaction tenperature; most active was found to be I, which at a

Card 1/2

- 147 -



دهٔ-۱۸ : Rumania COUNTRY CATEGORY 1959, No. 72650 : RZKhim., No. ABS. JOUR. : Micolescu, I.V.; Popescu, I.C.; Papia, Al.;* ROHTUA : Rumanian Academy : Research on Cutaly ic-Cracking Cutalysts. INST. TITLE Fart II. : Studil si percetari stiint. Acad. RFR Fil. Iasi. Chim., 1957, 8, No 1, 151-162 ORIG. PUB. : A study of the effect of montmorillonicie structure of natural catalysts and bentonitic clays on their sorption characteristics and catalytic activity. doent enographic studie: were made of three sumples, with recording of Debye-Scherrer patterns; changes in sorption char oteristics, agrarent specific gravity, porosity, aromatic index, were studied over temperature range of 200-300°, and of the effect of these changes on catalytic activity. Laboratory experiments were conducted on datalytic cracking of semi-parafilmic petroleum distillate. On the basis of experimental data the authors believe that a close correlation exists between montmorillonitic structure, CARD: 1/2 · Tacu, C. 15

RUMANIA / Chemical Technology. Chemical Products. Refin- H ing of Natural Gas and Petroleum. Motor and Rocket Fuels. Lubricants.

Abs Jour: Ref Zhur-Khimiya, 1958, No 20, 68725.

: Nicolescu I. V., Popescu A., Papia Al. Author

: Not E ven: Inst

: Complex Catalytic Refining of Gasoline with Simultaneous Production of Pure Aromatics, High Octane Title

Gasoline and Cyclohexane.

Orig Pub: Rev. chim. 1957, 8, No 10, 625-633.

Abstract: A new method of catalytic aromatization of gasoline with simultaneous production of benzene, toluene, xylenes, high octane gasoline and cylohexame is described. Catalysts employed are: Pt-Al203 and Ni-SiO₂ with 56% Ni. A complex conversion with the fullest utilization of the 65-195° naphtha fraction is thus attained.

Card 1/1

67

В

RUMANIA / Physical Chamistry Kinetics. Combus-

tion, Explosions. Topochemistry. Catalysis.

Abs Jour: Ref .hur-Khimiya, No 11, 1958, 35471

Auth r : Nicolescu I.V., Pipuscu Al.

: Not riven Inst

: frudy of the Michalism of a Hiterogeneous Catalysis. Title

Part I.

Orig Pul: Re/. Chim. 1957, 8 No 11, 638-691

Abstract: Proceeding from to clusic s drawn from recent

theories, a number of experime tel deum obtained by other authors upon the investigation of the aromatizatio of mu-Heptane, Cyclohexane and Methyl Cyclomexade on capalysus is considered. The catalysts are: Ni-1.1203 with 5.4-36.6% Ni, and Ni-Al203Pt with the same quantity of Ni and a addition of 0.2% Pt.

C = rd 1/1

14

H-15

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RUMANIA/Chemical Technology - Chemical Products and Their

Application, Part 3. - Industrial Organic

Synthesis.

: Ref Zhur - Khimiya, No 14, 1958, 47682 Abs Jour

: I.V. Miccleacu, Mexe Popescu Author

"C.J. Parhon" University. Inst

: Method of Minultaneous Preparation of Benzene and Title

Cyclohexane at Catalytic Aromatization.

: An. Univ. "C.J. Parhon". Ser. stiint. natur., 1957, No Orig Pub

15, 9**3-**95.

: Benzene (I) and cyclohexane (II) are obtained at the Abstract

catalytic arountization of gasoline fractions (GF) by platforming, at which occasion the forming (pases containing from 75 to 85% of H2 are utilized for the pa-

rallel entalytic hydrogenation of pure I or of a

card 1/2

RUMARIA/Chemical Technology - Chemical Products and Their Application, Part 3. - Industrial Organic

H-15

Synthesis.

Abs Jour

: Ref Zhur - Khimiya, No 14, 1958, 17682

direct GF aromatization product. The experiments were carried out with a GF boiling in the range from 66 to 90° and containing (in \$\mathcal{H}_0\$) paraffins - 38, naphthenes - 58, and aromatic compounds - 4; the aromatization product contained (in \$\mathcal{H}_0\$) aromatic compounds - 52, naphthenes - 8, and paraffins - 40. The optimum conditions for the industrial hydrogenation of I are: temperature - 160°; catalyst - 56% of Ni and 44% of \$102; pressure - 8 to 10 atm.; volumetric rate from 0.5 to 1; molecular ratio of gases to I - 1.5 - 2: 1; yield of II - 100%. The characteristic of the produced II: d20 = 0.7790; ng = 1.4260; aniline point - 31.0; boiling point - 80 to 81.5°. At the hydrogenation of I containing fractions, fractions containing about 50% of II are obtained, yield of II - 100%.

Card 2/2

B-9

NICOLESCU,

RUMINIA/Physical Chemistry - Kinetics.Combustion.

Explosions. Topochemistry. Catalysis.

: Ref Zhur - Krimiya, No 8, 1958, 24254 ' Abs Jour

: Nicolescu, I.V., Lovu Mircea Author

: Catalytic Reactions of Alkyl Metal Halides. Communication Inst Title

I. Polymerization of Cyclonexene.

: An. Univ. "C.J. Farhon". Ser. stiint. natur., 1957, Ro 15, Orig Pub

97-101.

: It is shown that halogenides of aluminum alkyl can act as Abstract

catalysts in the polymerization of cyclohexene. The following catalysts were synthesized: benzyl aluminum chloride and bromids, butyl aluminum chloride, dichlorethanol aluminum and dibromocyclohexane aluminum. With these compounds which are particulty soluble in cyclohomene higher yield were obtained than with AlCl3. Benzyl aluminum chloride

Card 1/2

12

CIA-RDP86-00513R001136830

B-9

RUMANIA/Physical Chemistry - Kinetics, Combustion. Explosions. Topochemistry. Catalysis:

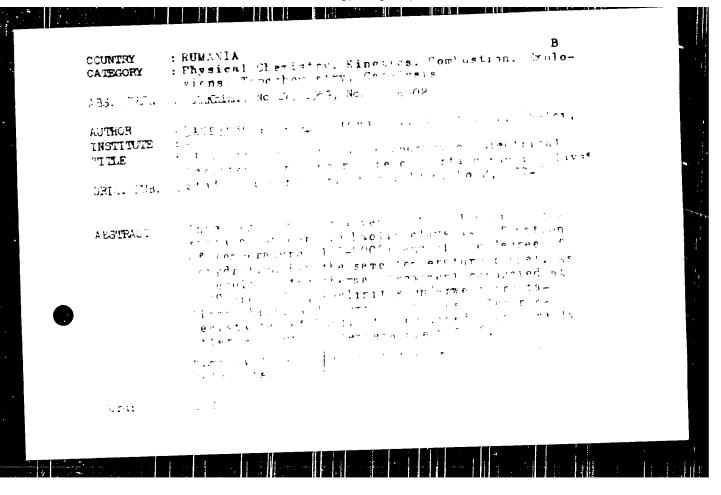
: Ref Zhur - Khimiya, No 8, 1958, 2425t.

and browide were found to have the highest activity. The reaction product obtained corresponds to the pentamer of cyclohexene.

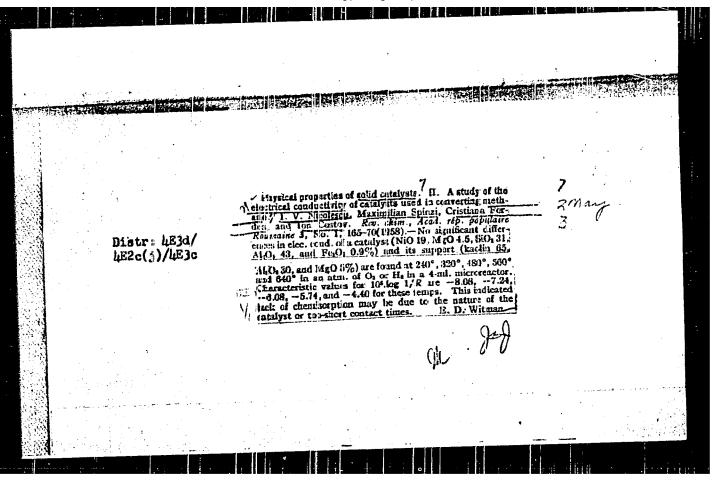
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Abs Jour

CIA-RDP86-00513R001136830



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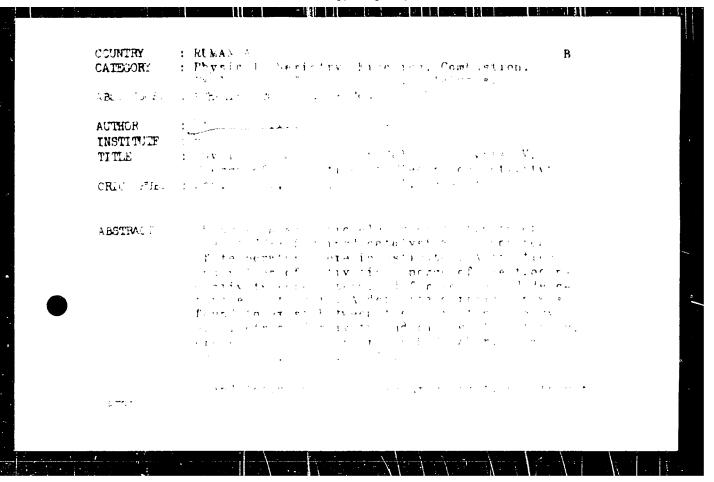
MICOLESCU, I, AND OTHERS

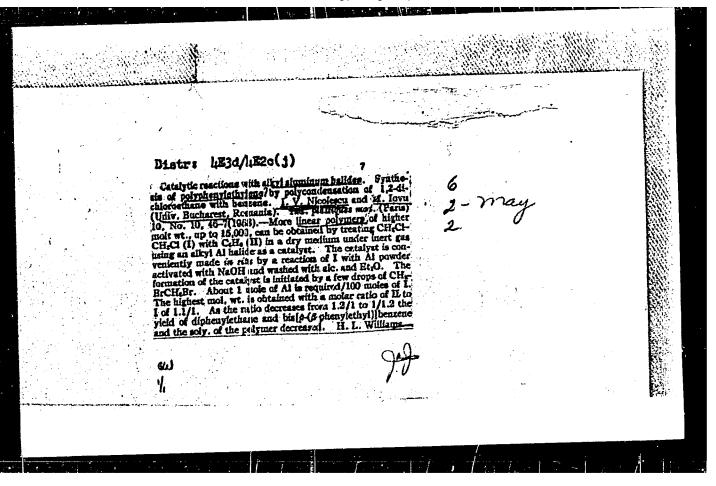
Electroconductometric analysis of the catalyzer used in methane-conversion process. p. 287.

Academia Republici Populare Romine. STUDII DI CERCETARI DE CHIETE. Bucuresti, Rumania. Vol. 6, no. 2, 1958.

Monthly List of East European Accessions (EEAI) Vol. 8, no. 7, July 1959.

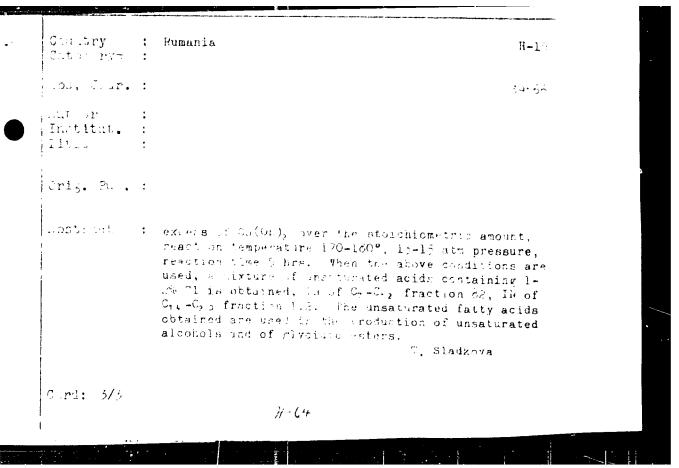
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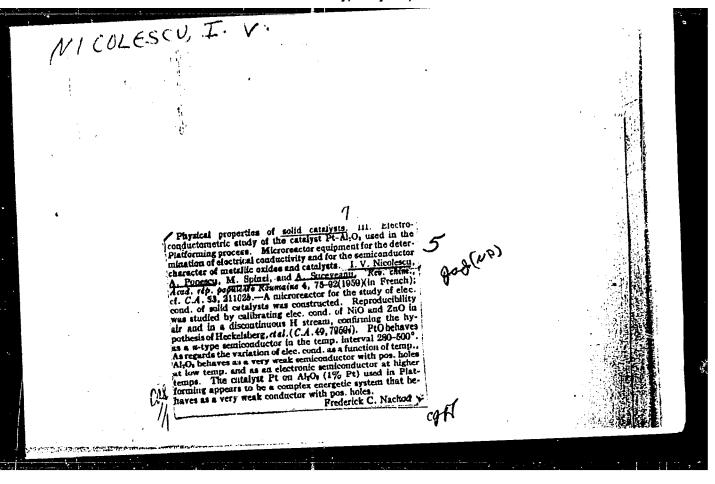


Country :Rumania Cutogory= :Chemical Tecan, lory. Chemical Products and Their Applications -- Industrial organic synthesis .bs. Jar. : Peferat Shur--Khim., No 11, 1959, 39566 sut...r: Nicolescu, T. V., Varitescu, P., Angelenci, S., and : Antonescu, F. Institut. Titlu : C. J. Parton University Unsaturated Fatty Acids from Fatty Acids Obtained by the Oxidation of Paraifing Orice Pub. : An Univ 'C. J. Parhon', Ser Stillet Natur, No 18, 57-6. (195-) imbe authors have investigated the production of unlib. tract siturated fatty idits by the chlorination of fatty acids obtained by the oxidation of paraffin, followed by lehydrocalorination of the enloro-substituted acids optained. The starting materials used consist of liqui synthetic fatty agods with $G_6 = 0$, (I), op 95-150°/12mm, d_{12}^{0} (1900, and D 1.4525, indian number (MW) 100, are of solid synthetic fative column with $O_{1,2}=O_{2,3}$ (ri), by 225-275°/35 mm. IN C. W4 255. saponification number 240. The Uniorination procedure developed for stearic acid can be carried out both in Col, solution Jard: 1/3 4-63

H-15 : Rimania Country g. tomary 39566 abs. Jour. : author ir titut. : $_{1}$ itla Ori Pat. : : and is the absence of a solvent. Optimum corditions Aboutrict for the admerement of a product containing 24-30% Of are as follows: colorination time 5-6 mrs, solwent not used, operation of the process in the presence of senzovi seroxide, reaction temperature 50-Ge. order the appre conditions both I and II can be illowinately (after three mives a product conthining 10% 0%, n = 1.4712, and after 15 hrs, a product containing 55.6. Out II after 5 hrs gives a product containing 19 % and after 4 hrs, a prodnet consaining 20% Cl. 1000 1.4754. Optimum condithone when Ca(Oh)2 is used as the dehydrochlorinating agent have been found to be as follows: 15% dird: 2/3



CIA-RDP86-00513R001136830



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NIRCLESKU, I.V. [Nicolescu, I.V.]; MODESTINU-NIROLESKU, A. [Modestinu-Kinglescu, A.]

Catalytic dehydrogenation of some alkyl benzenes. IV. Derivation of methylstyrene by dehydrogenation of isopropylbenzene over the catalyst based on ZnO. Rev chimie 4 no.2:199-206 '59. (EEAI 9:7)

1. Akademiy RNR, TSentr Khimicheskikh issledovaniy, Bukharest. (Catalysts) (Dehydrogenation) (Methylstyrene) (Alkyl groups) (Zinc oxide) (Gumene) (Benzene)
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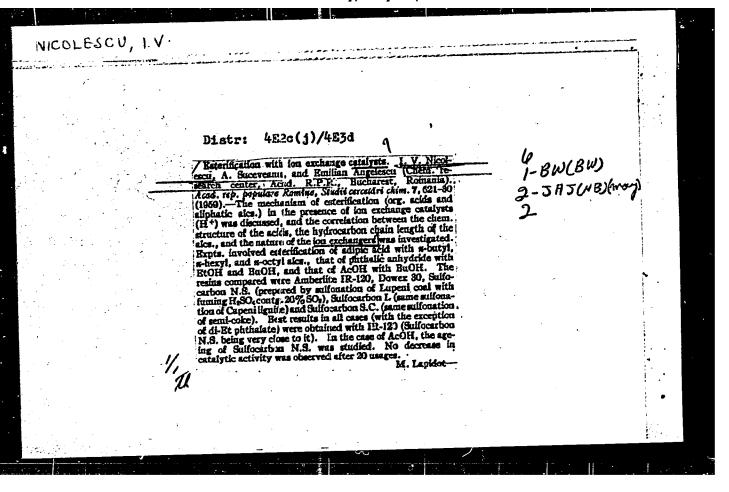
NICOLESCU, I.; POPESCU, A.

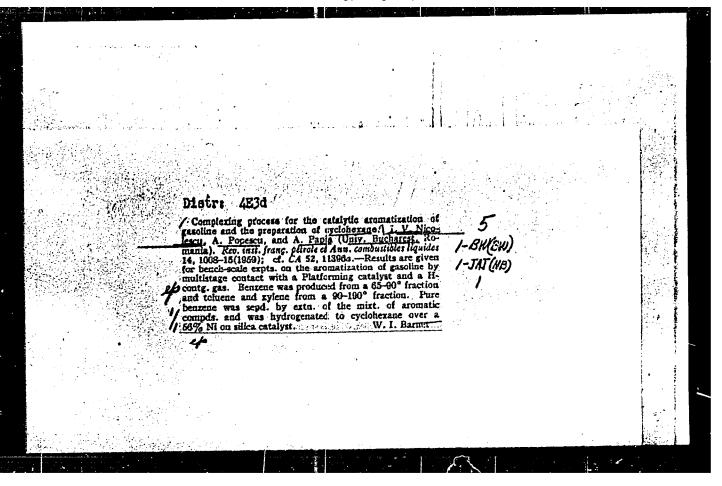
Physical properties of solid catalyzers. III. Electroconductometric study of the Pt-Al₂0₃, utilized in the process of platforming and determining the properties of the semiconductor of Pt0. p. 49.

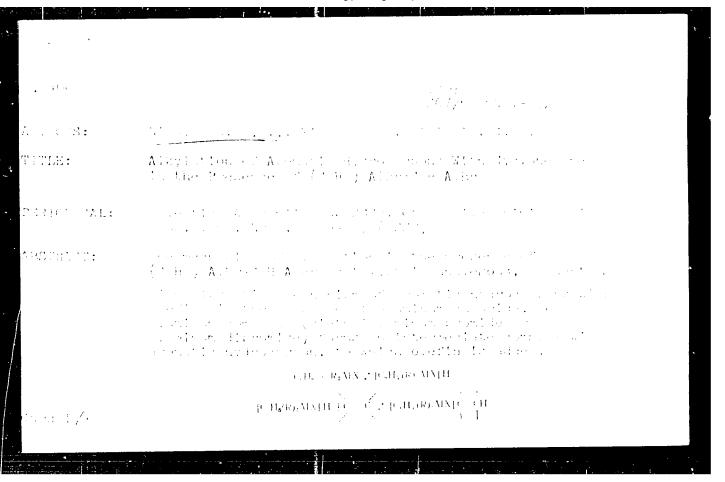
STUDII SI CERCETARI DE CHIMIE. Bucresti, Rumania. Vol. 7, no.1,1959.

Monthly List of East European Accession (EEAI). LC, Vol. 8 No. 9, September, 1959

Uncl.





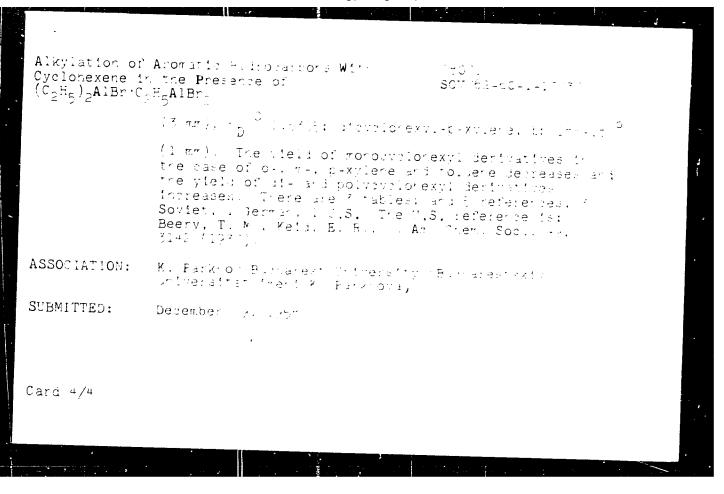


K -section is a solution of W^{*} . Since SC_{i} is a section SC_{i} is a section of W^{*} . He Albert
In the first of the control of the
$\begin{aligned} & \left[G_{1}\Pi_{2}(R)_{2}\Lambda X_{1}\Pi_{1} + \left[R_{2}\Lambda X_{2} \right] + \left[G_{1}\Pi_{3}(R)_{2}\Lambda X_{2} \right] + \left[G_{2}\Pi_{3}(R)_{2}\Lambda X_{3}\Pi_{1} + \left[G_{2}\Pi_{3}(R)_{2}\Lambda X_{3} \right] + \left[G_{2}\Pi_{3}(R)_{2}\Lambda X_{3} \right] + \left[G_{2}\Pi_{3}(R)_{2}\Lambda X_{3}\Pi_{1} + \left[G_{2}\Pi_{3}(R)_{2}\Lambda X_{3} \right] + \left[G_{2}\Pi_{3}(R)_{3}\Lambda X_{3} \right] + $
IC.H. (P), AIX C.H.; C.H.; C.H.; P,AIX

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16011
3012 -4041-10 71
Alkylation of Aromatic Hydromarbors With
Cyclohexene in the presence of
(CaHa)aAlBria HaAlBri
                 In comparison with aluminum chloride, ethylaluminum
                 bromides are more active catalysts, wed for alky. Hior
                 of anomatic hydro-ambons with cyclonexene. Alkylation
                of benzeme, toluere, o-, m-, and p-xyleres with
                gyclonewere in the presence of the above data. With
                 yielded the following compounds: cyclonexylberzene.
                 bp 102-107^{\circ} (1 mm), n_{0}^{\circ}
                                             1.685-; dicyclonexylberzere,
                 bp 140-141^{\circ} (1 mm), np ^{720}1.5355; byclohexyltoliene, bp
                 bp 140-1417 (1 900).

103-10-<sup>C</sup> (1.5 πm), 62<sup>C</sup> (1.52-5; dicyclonexylocus 1)

n (1.5 πm), 62<sup>C</sup> (1.52-5; dicyclonexyl-o-xylene,
                ·O 1.5×88; byclorextl-m-xvlere,
                                          ^{10} [15], Fig. Hey Horexyl-m-xylere,
                 bp 105-107^{O} %, www.payelohekvi-p-xviere, by 107-10^{10}
Card 3/4
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RM EWP(j)/BDS ASD/AFFTC Pc-4 L 12310-63 s/081/63/000/005/067/075 Robn, C., Domilie, Th., Angelescu, En., Dragan, El. and Micolescu, AUTHOR: I. V. Effect of epoly complex di- and triesters of fatty series on the TITLE: viscosity and quality of alkyd varnishes in Referativnyy alurnal, Khimiya, no. 5, 1963, 607, abstract 57191 PERIODICAL: (An. Univ. "C. I. Parhon." ser. stiint. natur., 1960, v. 9, no. 26, 175-187) The effect of addition of epoxy sunflower oil (I) and ethylene glu-

col disposydtearate (II) on the rate of change in viscosity and acid number of varnish resins, obtained from glycerin, phthalic anhydride and linseed (or sunflower) oil was studied. It was shown that replacement of a fraction of the glycerin by an equivalent amount of I or II without a corresponding lowering of content of vegetable oil slows down, and under conditions of a corresponding lowering of vegetable oil content — increases the rate of reaction. In addition, I brings about a greater increase of reaction rate than II. In both cases, the color of the product is lighter. The resins synthesized by means of I are dried forming coatings, which in pliability, elasticity, shock resistance, water

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"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136830

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Effect of epoxy complex	••••	S/081/63/000/	/005/067/075	
resistance and resistance	se to 3% solution of	Nanu and 2 54 Nam	ana companable	
to coatings of varnish r	esins which do not o	contain I. The form	are comparable mer. however. di	f_
fer from the latter by g	reater hardness and	lesser speed of air	drying. The	••-
introduction of II resul	ted in a resin. which	h has low water res	sistance, and is	
incapabile of drying in	air. By B. Zubov.			
			en de la companya de La companya de la co	
[Abstractor's note: Comp	lete translation			

R/003/60/011/008/002/00-A125/A026

AUTHORS:

Nicolescu, I.V.; Nicolescu-Modestinu, A.

TITLE:

Study of the Selectivity of Catalysts Used in Dehydrogenation Reac-

tion of Isopropylbenzene to Alpha-Methylstyrene

PERIODICAL: Revista de Chimie, 1960, Vol. 11, No. 8. pp. 452 - 458

TEXT: The production of alpha-methylstyrene by catalytic dehydrogenation of isopropyl-benzene is mainly performed in the USSR at the SKMS Synthetic Rubber Combine. The same method will be used in the Combinatul Chimic (Chemical Combine) in Borzesti - Onești for production of synthetic rubber y In previous works (Refs. 1 and 2), the authors presented some laboratory results obtained by dehydrogenating isopropylbenzene to alpha-methylstyrene and using the following catalysts. Cr203-Al203, Cu0-Al203, Cr203-Cu0-Al203, Zn0+ promoters. In subject article they present a more general criteria of appreciating the practical value of a catalyst by considering the correlation between the activity, selectivity, selectivity index and the values of apparent activation of the primary and secondary reaction. The catalytic dehydrogenation of isopropylbenzene has been already studied by A.A. Balandin and G.M. Marukian (Ref. 3), and by Nickels and his assistants (Ref. 7).

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R/003/60/011/008/002/005 A125/A026

Study of the Selectivity of Catalysts Used in Dehydrogenation Reaction of Isopropylbenzene to Alpha-Methylstyrene

The industrial catalyst 1707 and the $\mathrm{Cr}_2\mathrm{O}_3$ - $\mathrm{Al}_2\mathrm{O}_3$ catalyst proved to be the most advantageous. The authors briefly refer to the physico-chemical properties of the alpha-methylstyrene monomer. At the catalytic dehydrogenation of isopropylbenzene there are, besides the primary reaction of the formation of alpha-methylstyrene. also a series of secondary reactions producing benzene, toluene, styrene-ethylbenzene, gaseous hydrocarbons, etc. (Fig. 1). The dehydrogenation reaction of isopropylbenzene is powerfully endothermic. The quality of catalysts with regard to the development of a chemical process can be as well appreciated by taking into consideration the activity, selectivity, selectivity index and the apparent power of activation. The activity increases with the temperature and vice versa The selectivity varies in function of the volumary speed. The temperature reduces the selectivity, but increases the activity. On the basis of Table 8, the authors examined five catalysts. Generally, the active component Cr203 presents for a chain dehydrogenation a reduced selectivity, because 27 - 48% of the raw material are transformed into secondary products. As compared with the industrial catalyst 1707 (with Fe_2O_3 as active component), a catalyst on the basis of zinc oxide (Zn III) proved to be superior. Zn III produces approximately 51% alpha-methylstyrene Card 2/3

R/003/60/011/008/002/005 A125/A026

Study of the Selectivity of Catalysts Used in Dehydrogenation Reaction of Isopropylbenzene to Alpha-Methylstyrene

and only 6.7% secondary products. Compared with the other catalysts of Table 8. III has the lowest activity value, i.e., 58.4, but has the highest values of selectivity and selectivity index, and supplies the best practical results i.e., a high efficiency in the primary product and a minimum of transformation of primary material into secondary products. The value of the apparent activation power is 18,779 kcal/mol, whereas the cracking reaction has an apparent activation power of 56,585 kcal/mol. The appreciation of the practical qualities of catalysts can be extended also to other hetherogene catalystic reactions. But, this appreciation does not always justify the economy of a hetherogene-catalytic process. Sometimes it is interesting to use catalysts which produce at a single passing a smaller efficiency of the primary product, but finally lead to a high efficiency by recirculating the non-transformed reactant. There are 8 tables, 2 figures and 6 references: 3 English, 1 French, 1 Rumanian and 1 Soviet.

ASSOCIATION: Universitatea "C.I. Parhon" București, Laboratorul de cataliză (Catalytic Laboratory of the "C.I. Parhon", University in Bucharest)

Card 3/3

R/003/60/011/011/002/007 A124/A026

AUTHOR:

Nicolescu, I.V., Professor

TITLE:

Soviet Contributions to the Study on the Mechanisms of Catalytic

Reactions of Some Hydrocarbons

PERIODICAL:

Revista de Chimie, 1960, Vol. 11, No. 11, pp. 626 - 629

TEXT: Subject article deals with Soviet theories regarding the catalytic transformation of organic substances, especially of various hydrocarbons. A.A. Balandin with his school supports the theory of multiplets, S.Z. Roginskiy, F.F. Volkenstein and I.A. Miasnikov in Moscow, A.N. Terenin and his co-workers in Leningrad, and V.S. Liashenko with his school in Kiev have developed the electronic theory of catalysis. F.F. Volkenstein (Ref. 1) believes that the electronic theory is leading to concepts of proper characteristics, including the existing concepts of the actual theories. A.A. Balandin expressed his opinion in a paper presented at the International Congress on Catalysis in Paris in July 1960 (Ref. 2), according to which modern theories of heterogeneous catalysis are completing each other. The electronic theory could contribute to the extension of the theory of multiplets. Based on this theory the academician A.A. Balandin has worked out the study of the kinetics and mechanics of the hydrogenation process (Ref. 3). The kinetics of hy-

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R/003/60/**011**/011/002/007 A124/A02(

Soviet Contributions to the Study on the Mechanisms of Catalytic Reactions of Some Hydrocarbons

drogenation were thoroughly studied by S.E. Yelovich and G.M. Zhabrova (Ref. 4). A.A. Balandin and N.I. Shuikin (Ref. 5) have studied on nickel catalysts the relative speed of hydrogenolysis of different combinations. The hydrogenolysis of C-C combinations has been discovered by N.D. Zelinskiy, B.A. Kazanskiy and A.F. Plate. Based on B.A. Kazanskiy's experimental studies, A.L. Lieberman and A.F. Plate have accomplished the geometric representation of the process. The kinetics of the heterogeneous process of the dehydrogenation of cycles with six carbon atoms was thoroughly studied. The equation of the dehydrogenation speed

 $v_d = K_d \frac{(C)}{(C) + (B)}$

in the presence of metal catalysers has been established by A.A. Balandin and N.I. Shuikin for the first time. A.M. Rubinstein, N.I. Shuikin and their assistants (Ref. 6) have established that, as more Pt is dispersed in the carbon, the dehydrogenation synthesis of the cyclohexane agrees with the intensity of X-rays reflected from the (111) faces. A.A. Balandin and M. Isaguleants (Ref. 7) recently studied the dehydrogenation of the cyclohexane (I) and decalin (II) on Ni-Al₂O₃ and

Card 2/3

R/003/60/011/011/002/007 A124/A026

Soviet Contributions to the Study on the Mechanisms of Catalytic Reactions of Some Hydrocarbons

 $\text{Cr}_2\text{O}_3\text{-Al}_2\text{O}_3$. I.V. Nicolescu and A. Popescu have confirmed their investigations conducted on the interrelation between the electric properties and catalytic capacity of Pt-Al $_2\text{O}_3$, Ni-Al $_2\text{O}_3$ -Pt and MoO $_2$ -Al $_2\text{O}_3$ catalysts. There is the possibility of an interdependence between the electronic theory and the theory of multiplets for the catalytic aromatization of hydrocarbons. There are 7 Soviet references.

Card 3/3

NIKOLESKU, I. V. [Nicolescu, I. V.]; POPESKU, A. [Pepescu, A.]

IV. Electric preperties of the nickel and platinum catalysts, used in the precesses of the aromatization of hydrocarbons. Rev chimie 6 no.1:115-123 '61.

1. Universitet im. R. I. Parkhona, Bukharest, Fakul'tet khimii, Laboratoriya organi:heskogo kataliza.

\$/081/63/000/001/030/061 B144/B186

AUTHORS:

Şerban, O., Nicolescu, I. V.

TITLE:

Solubilization of alkyl-aromatic hydrocarbons in solutions

of colloidal electrolytes

PERIODICAL:

Referativnyy shurnal. Khimiya, no. 1, 1963, 110, abstract 18773 (Ser. stiint. natur., v. 10, no. 30, 1961, 141-150

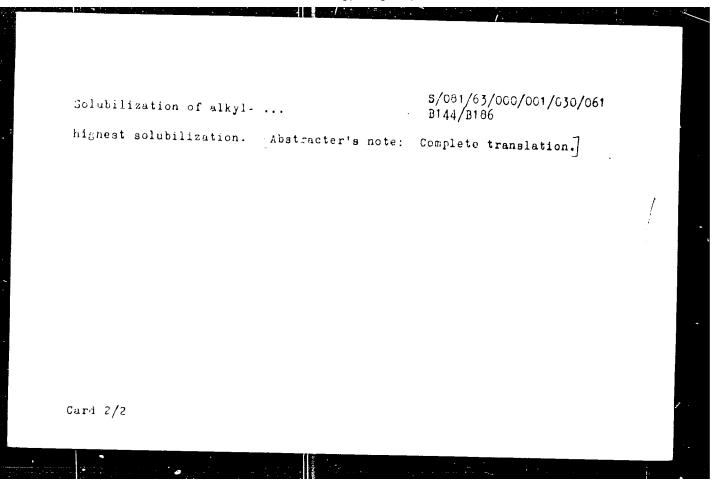
[Rum.; summaries in Russ. and French])

TEXT: The solubilization of cumene and disopropylene benzene was studied in solutions of some surface-active agents (SAA). The following conclusions were drawn: the solubilization of hydrocarbons increases with increasing concentration of SAA. Solubilization depends on the nature both of the SAA and of the hydrocarbon. Additions influence the solubilization of hydrocarbons, Na₂CO₃ and particularly increases the

solubilization. In all cases a change in the solubilization rate was observed in the SAA concentration range from 0.6 to 1.5%. From the SAA studied, the sodium salt of isooctyl toluene sulfonic acid gives the

Card 1/2

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NICOLESCU, I.V., prof., dr., laureat al Fremiului de Stat; CRUIA, Maria Eleboration of some criteria for the selection of solid catalysts.

Rev chimie Min petr 13 no.1:9-15 Ja '62.

1. Membru al Comitetului de redactie, "Revista de chimie" (for Nicolescu)-

Research on the activity and selectivity of the catalysts susceptible for *romatizing and dehydrogenizing

1. Centre de recherches chimques de l'Academie de la R.P.R. et Faculte de Chimie de l'Universite de Bucarest.

hydrocarbons. Rev chimie 7 nc. 1: 359-367 162.

Po-L Pr-1 WT(n)/EPF(c)/WP(j) 1, 41984-65 RU/0003/64/015/008/0502/050 ACCESSION NRI APSOL2517 AUTHOR: Nicolescu, I. V. Current and long range problems concerning heterogenous catalysis TITLE: SCURCE: Revista de chimie, v. 15, no. 8, 1964, 502-504 TOPIC TAGS: catalysis, chemical industry Abstract: A brief summary of the principal chemical processes using catalysts that are currently used in the Rumanian chemical industry, recent theoretical studies relating to the mechanism of heterogeneous catalysis, and the improved efficiency of technological processes caused by proper use of catalysts. All sectors of the chemical industry, especially the nitrogenous products industry, the sulphuric acid branch, the production of synthetic rubber, the processing of crude oil, organic chemistry and the production of synthetic fibers, depend on hetero-Orig. art. has 1 table. geneous catalysis. SUB CODE: GC. GO ASSOCIATION: none ENCL: 00 SUBMITTED: 00 **JPRS** OTHER: 000 NO REF SOV:

l 30763-66 EWP(j) RM

ACC NR: AP6020250

SOURCE CODE: RU/0003/65/016/11-/0550/0560

AUTHOR: Nicolescu, Ala; Gruia, Maria; Nicolescu, I. V. (Winner of the State Prize; Professor; Doctor)

ORG: Research Center in Organic Chemistry, Academy of the Socialist Republic of Rumania (Centrul de Cercetari in Chimia Organica al Academiei Republicii Socialiste Romania)

TITLE: Active alumina as a support for catalysts

SOURCE: Revista de chimie, v. 16, no. 11-12, 1965, 550-560

TOPIC TAGS: alumina, aluminum hydroxide, aluminum oxide

ABSTRACT: A critical discussion of catalytic aluminas. The authors discuss the structural forms under which aluminum hydroxides and oxides occur and the correlation of form with catalytic activity; surface chemistry and physical properties are also examined. Experimental data is cited to show that catalytic activity can be raised 2 to 10 times by influencing isomerization activity through the introduction of organic surface agents in the precipitation medium. [Based on authors' Eng. abstract] [JPRS]

SUE CODE: 07 / SUBM DATE: none / ORIG REF: 003 / OTH REF: 037

SOV REF: 006

Card 1/1 35

UDC: 661.862.22:66.097.5

NICOLESCU, L. AND OTHERS.

Nonsaturated fatty acids extracted from the fatty acids after the oxidation of paraffin. I. p. 57.

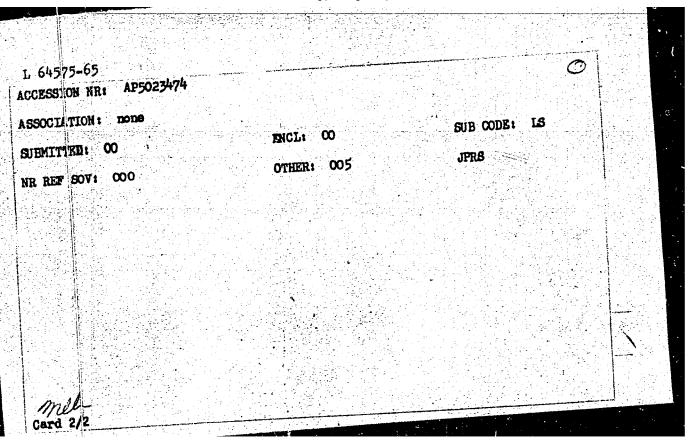
ANALELE SERIA STINTELOR NATURII. Bucuresti, Rumania. Vol. 7, no. 18, 1958.

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

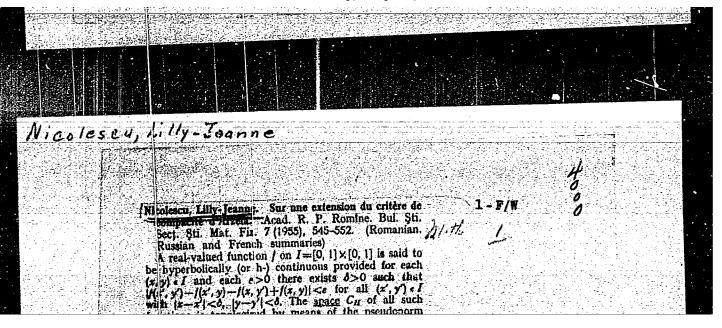
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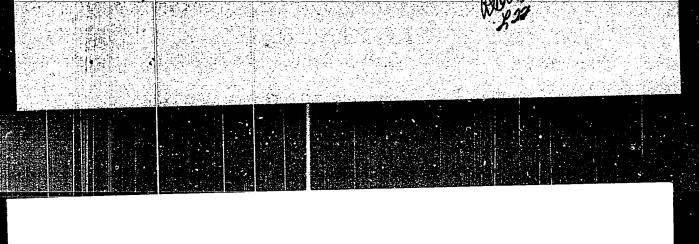
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CCESSION NR. AP5023474		교회 내가 기계를 가게 되었다.	14.55	12
UTIOR: Marcaan, N. (Mau Engineer); Titasou, I. (V	terinary ductor, was	effections Assessment	$oldsymbol{ u}$	
TITE: Establishing the e	nergy value of some	food concentrates u	sed in feeding	
OURCE: Revista sanitara	militara, no. 6, 196	1011-1018		
TOPIC TAGS: mitrition, mu	triology			
BSTRACT: The energy	value of eight va	rieties of food	concen-	
trates was studied af	ter storage or or	de and two years	irates	
4 77 7 La 1177 A	ATAMIDO NON PATTI	in. The Delicitive	15 V	
proteins and lipids w	as considered to	halanced daily	Intake of	
a 600 relories is ach	1eved by 4 concer	Toraced ragrama	olus bread,	
nugar, and jam. Orig.	art. has: 4 tables			

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"Jome remarks on the modulus of continuity."

p. 247 (Buletin Stiintific. Sectia De Stiinte Matematice Si Fizjce) Vol. 9, no. 2, 1957 Bucharest, Rumania

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

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in direct-second-order differentiability of the second order in Arechet's or Gateaux's sense. In Emilish. p. 217.

MANUE DE PARHAMENTI UNE PURCE UT APILI U.S. JOSANAL OF IDEA DE AIRLIA PATREMATICS. (Academia Republicii Fopulare Romine) Bucuresti. Humania. Vol. 3, no. 2, 1958.

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Properties of the Gateaux real, directly differentiable functions of the second order, p. 415.

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NICOLESCU, Lilly-Jeanne

On the integrability of Frechet differentials of an arbitrary order.

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(Integrals) (Differential equations)

(Groups, Theory of)

PICOLESCU, Lilly Jeanne

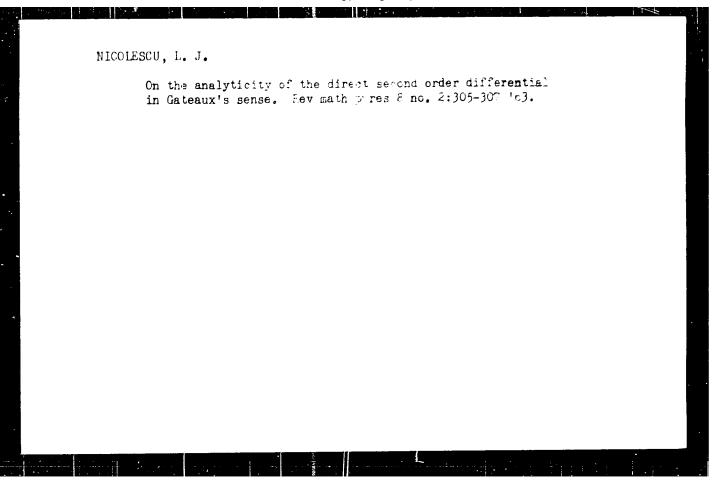
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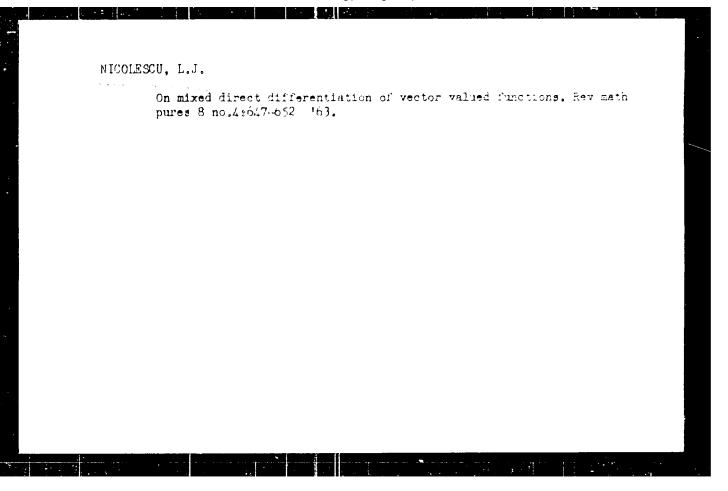


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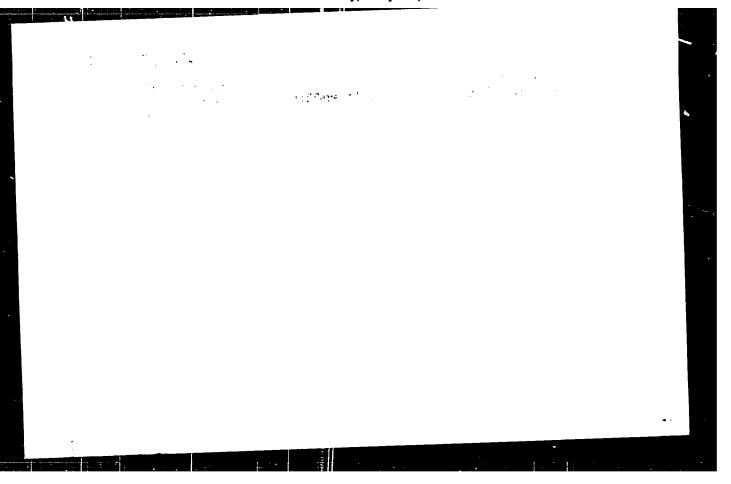
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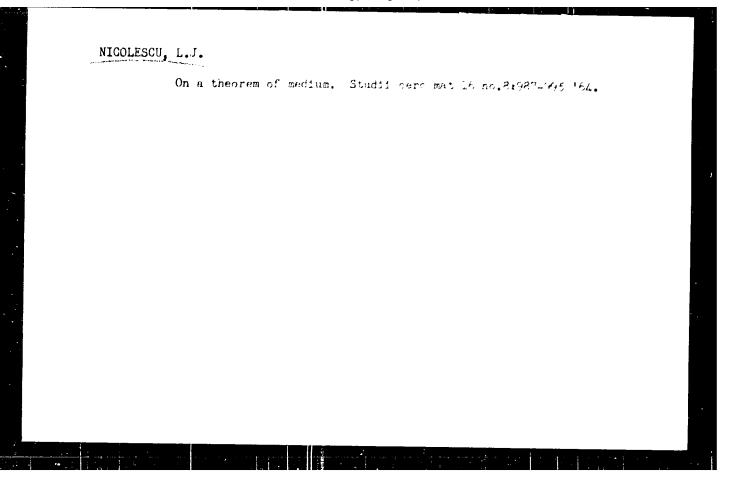
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MICOLMOU, Lilly Jeanne On a weak mean value theorem. Rev test from 10 no. wolld-landed. 1. Institute of Mathema its of the Rumanian Academy. One-mitted Author 6, 176m.

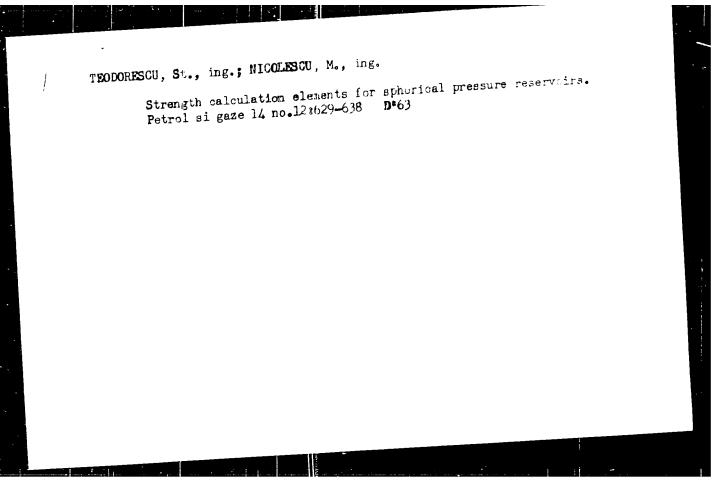
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TEODORESCU, St., conf.ing.; RICCLESCU,M., ing.

Geometric elements for culculating the jacket evolutes in spherical pressure tanks. Petrol si gaze 14 no.9:457-465
3.63.



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8580-66	5011.07. 100A. RU/0024,	/66/000/001/0021/0021	
ACC NR: AP6027677		1	
AUTHOR: Nicolescu, Maria (Bucharest)	ċ	
RG: none RITLE: First map of Wallachia prise Constantin Cantacuzino of 1700		;he map by	
SOURCE: Natura. Seria geografie-	e 18, 19, 14, 1994 - 128		
ABSTRACT: An analysis, from a carter of the first map worked out by a Ruby C. Cantacuzino was the first to of geographical coordinates, contain a complete list of towns, market to interesting features, and was used compiling general maps. [Based on SUB CODE: 08 / SUBM DATE: none	properly locate the area single ins names of mountains, less owns, villages and monast ie extensively by 18th century suthor's Eng. abst.] [JFRS:	, etc., as well as as well as other cartographers in	:
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MODESTINU NICOLESCU,

RUMANIA/Physical (hemistry - Kinetics, Combustion, Explosions, Topochemistry, Catalysis.

B-9

Abs Jour: Referat. Zhurnal Khimiya, No 2, 1958, 3904

Author : Nicoleacu, Modestimu.

: Academy of Sciences of Rumania.

: Study of Catalytic Dehydrogenation of Some Alkylbenzenes. Inst I. Activity of Cr203 - CuO - Al203 Catalysts at Dehydrogs-Title

nation Reaction of Isopropylhenzene in & - Wethylstyrene.

Orig Pub: Khim. 2h. Akad. RNR, 1956, l., No 1, 149-161.

Abstract: The dehydrogenation of isopropylbenzene in on-methylstyrene

was studied in a flow system at atmospheric pressure and 560 to 640° and volume speeds v from 0.20 to 0.60 in presence of mixed catalysts Cr_2O_3 : $Al_2O_3 = 11$: 89 (C-1), CuO: $Al_2O_3 + 8$: 92 (C-II) and Cr_2O_3 : CuO: $Al_2O_3 = 10.55$: 7: 82.45 (C-III). The optimize yields of 84 to 88.5% were obtained at 560° and v = 0.4 or at 600° and v = 0.6 in pretained at 560° and v = 0.4 or at 600° and v = 0.6 in pre-

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14)

RULIANIA / Cosmochemistry. Geochemistry.

Hydrochemistry.

abs Jour

: Referat Zhur--Khimiya, No. 11, 1959, 38166

author

: Nicolescu, M.

Inst

: Not given

Title

: The Fossil Fauna of Gypsum Deposits.

Orig Pub

: Natura (Rumania), 10, No. 4, 14-19 (1958) (in

Rumanian with English and Russian summaries)

Abstract

: The author gives a detailed characterization of the fossil fauna of gypsum deposits found in the pre-Carpatian region [foothills?]. The precipitation of the gypsum took place in lagoons where the marine waters accumulated living organisms which died as a result of the high sal-

inity. -- E. Chepizhnaya

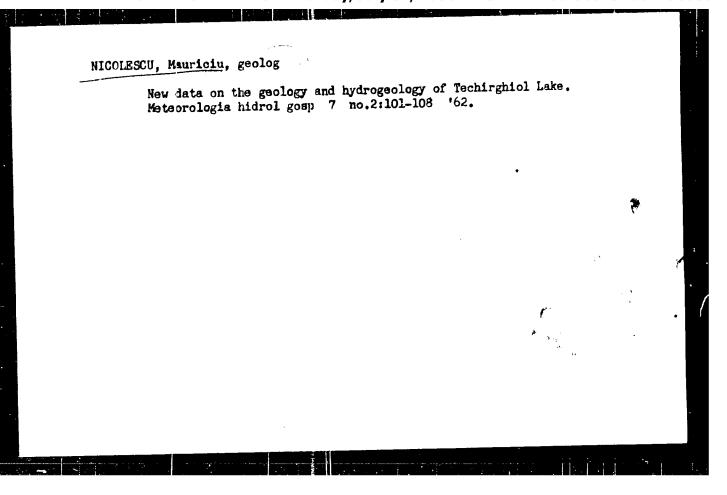
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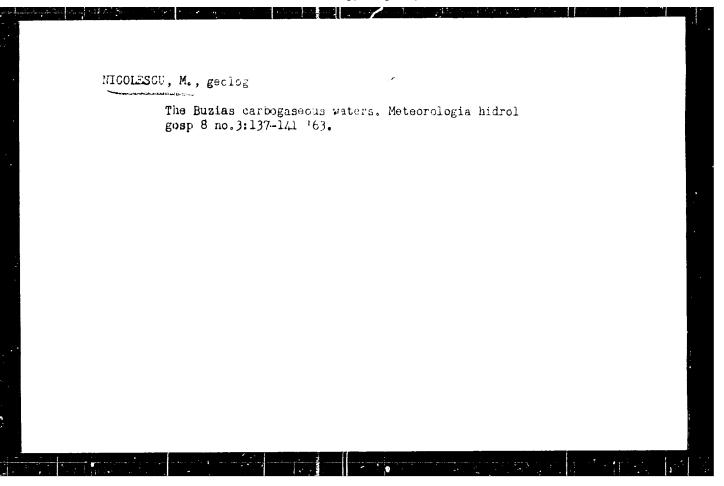
NICOLESCU, Mauriciu, dr.

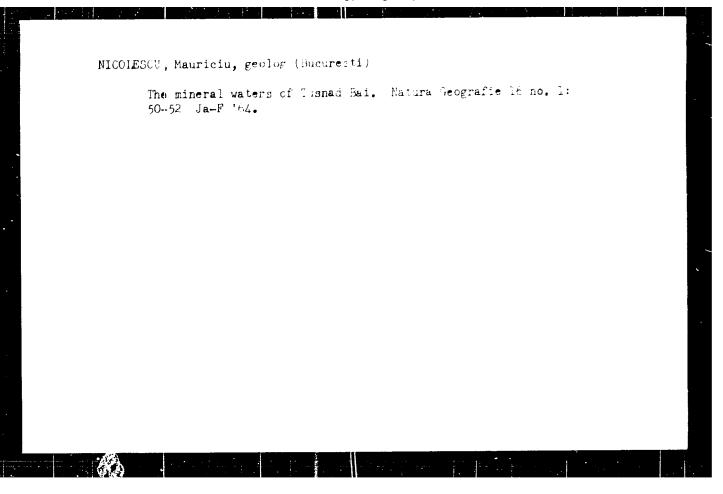
Limestone and its contribution to the water supply of Hunedbara. Meteorologia hidrol gosp 5 no.4:262-266 160.

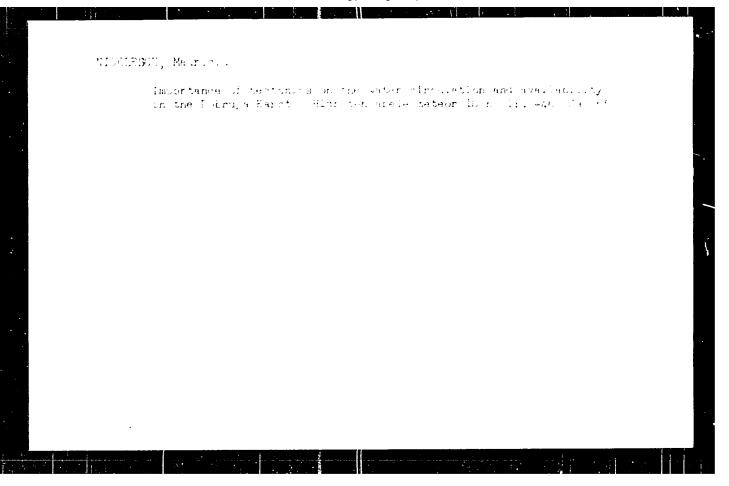
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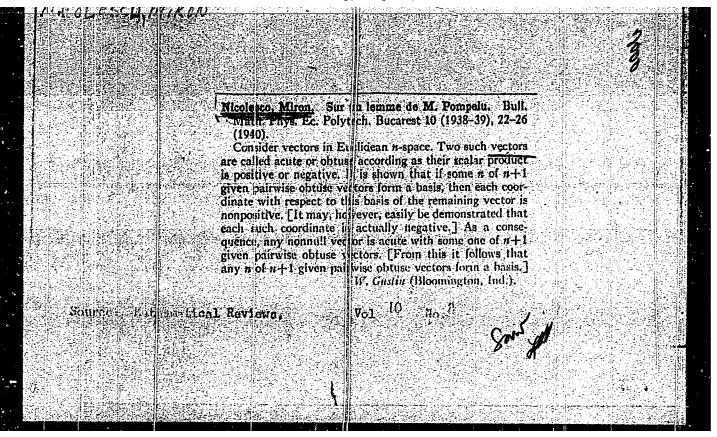


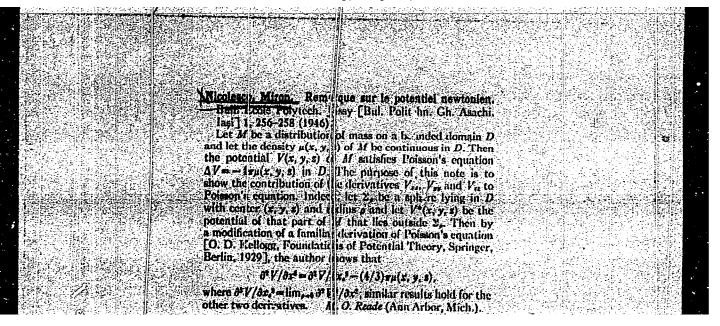
The geology and hydrology of the Mangalia Lake, Rumania. Meteorologia hidrol gosp 7 no.4:255-261 '62.



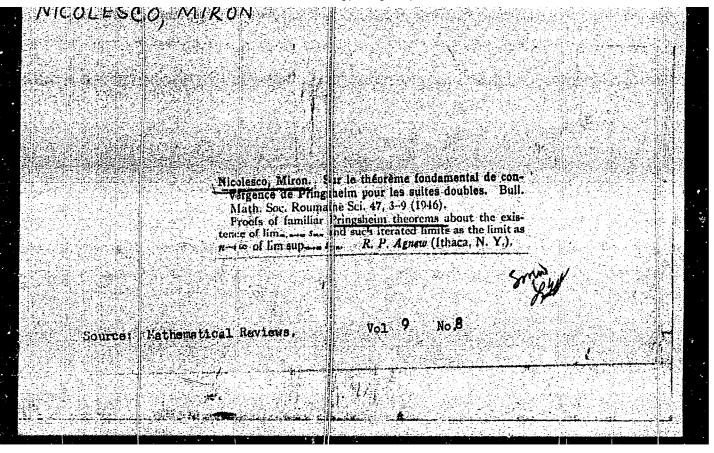


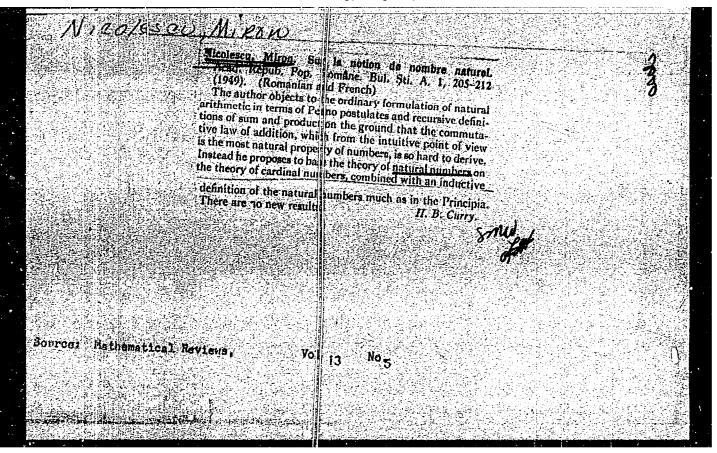


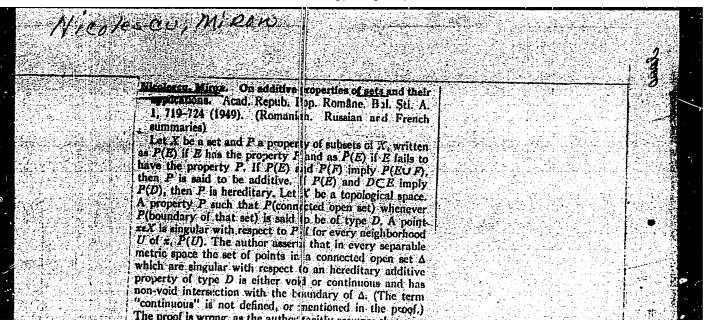


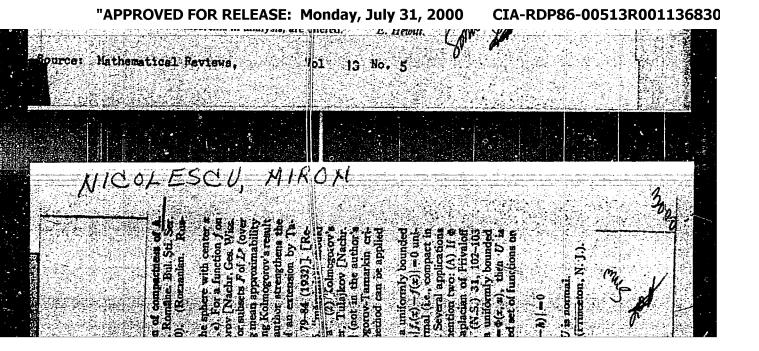


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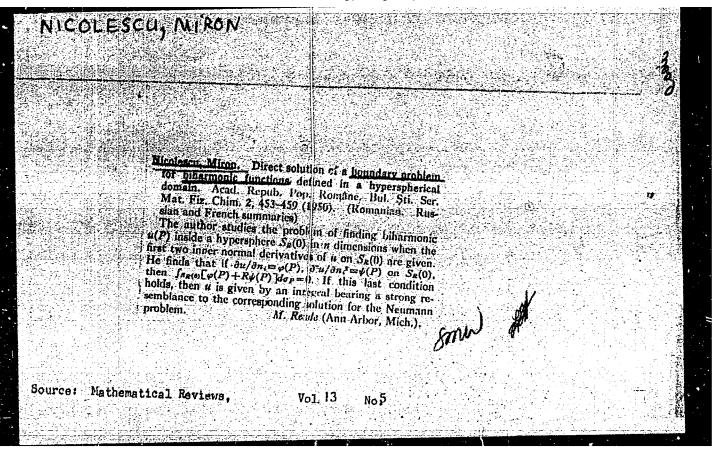


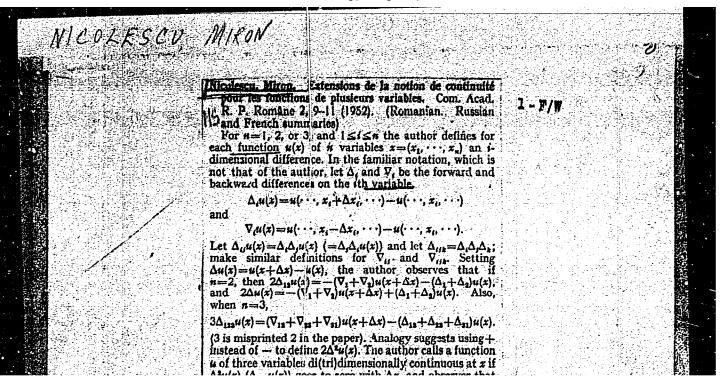


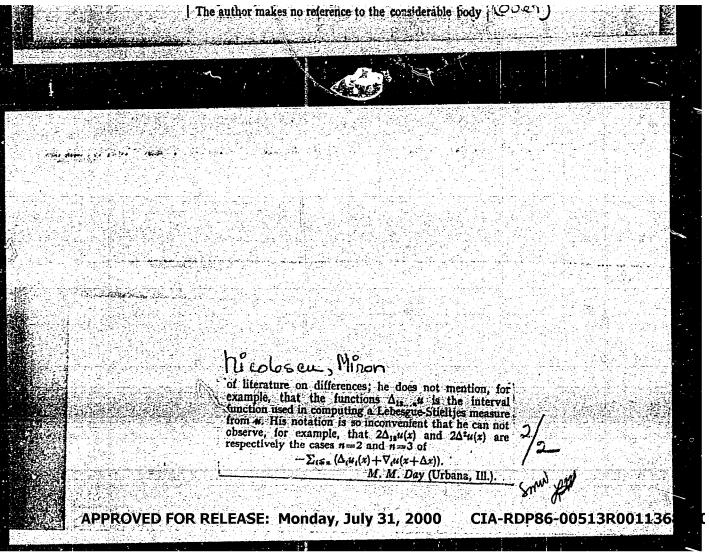


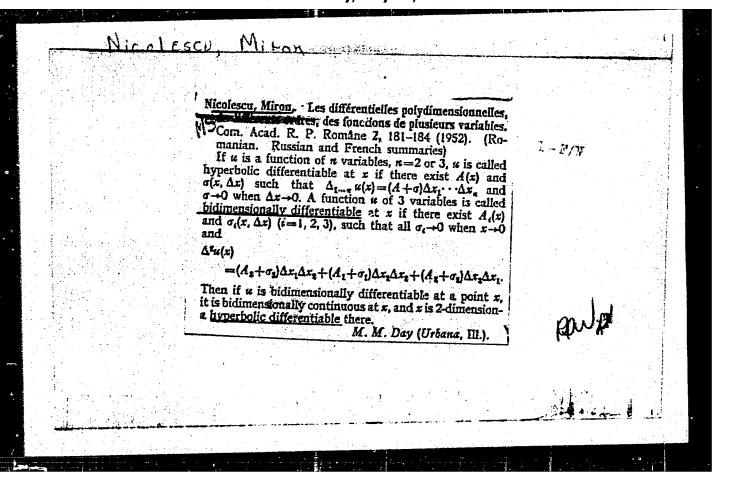


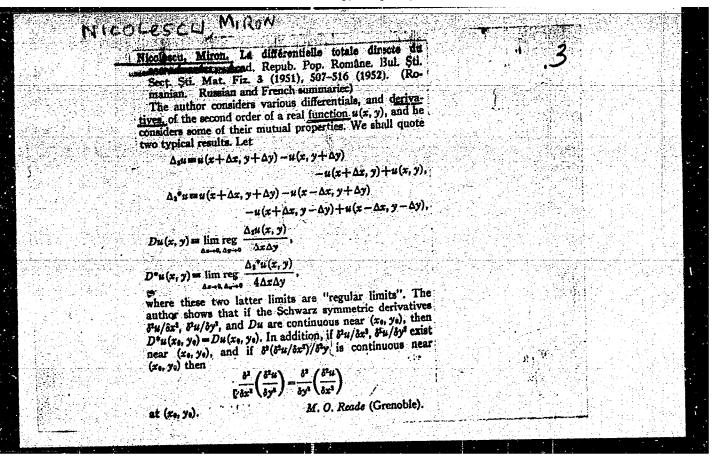
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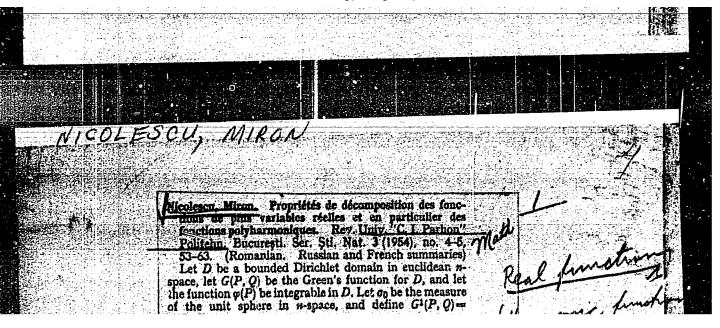


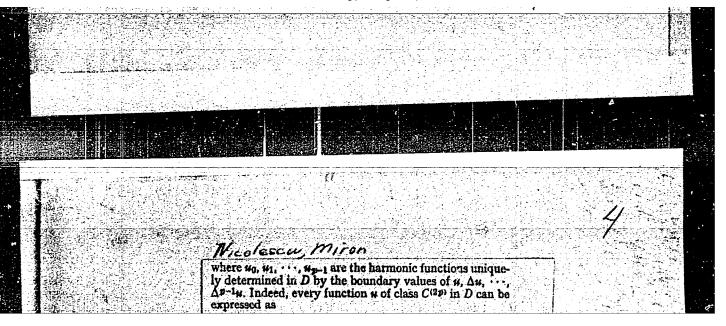


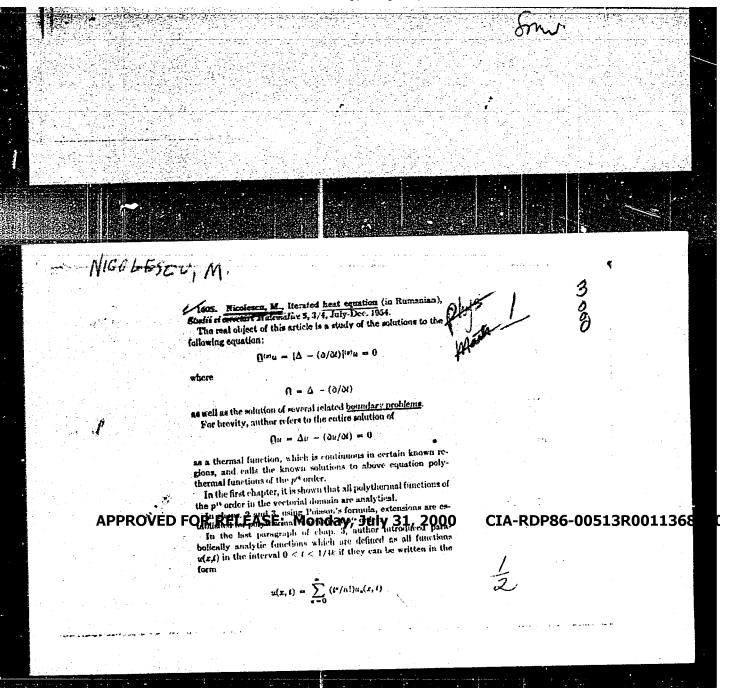


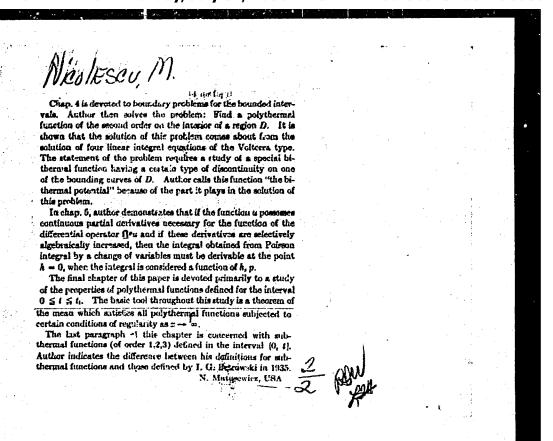


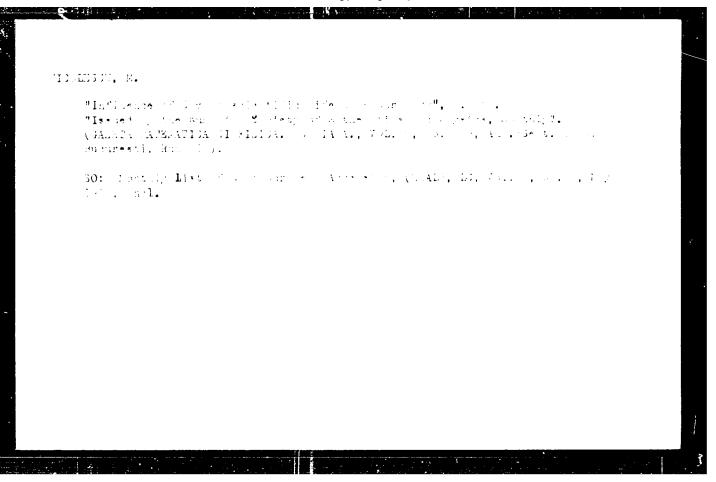












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Soc. Poorthly List of Sast Durop an Accessives, (M.11), L., Vol. 4, No. 5, Nav. 1959, uncl.

