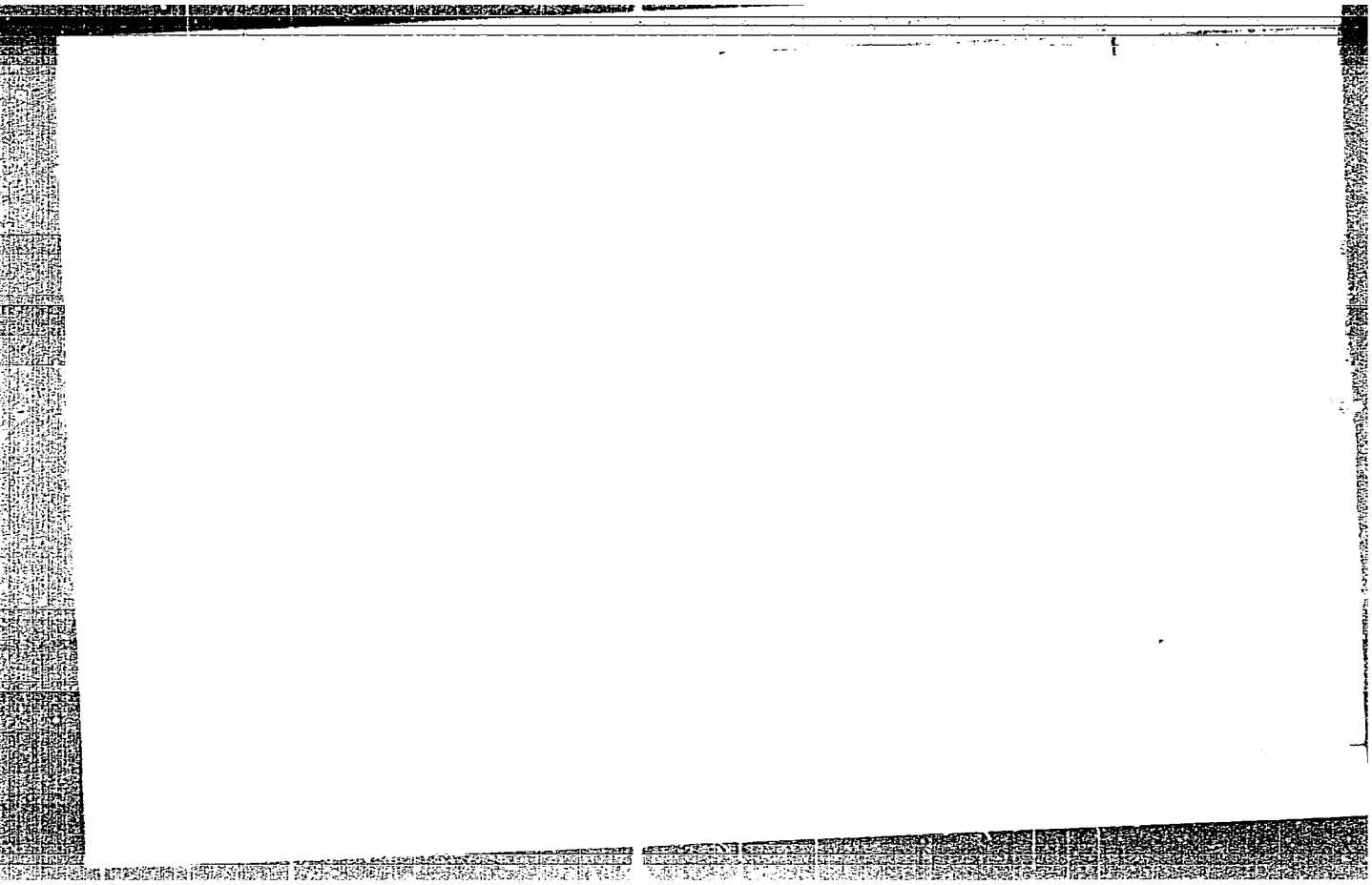
BAGMUT, S.I., arkhitektor; VIRABOV, S.A., inzh.

Automatic protective device for rope passage apertures. Ugol' Ukr. (MIRA 13:8)
4 no.7:34-35 Jl '60.
(Hoisting machinery)

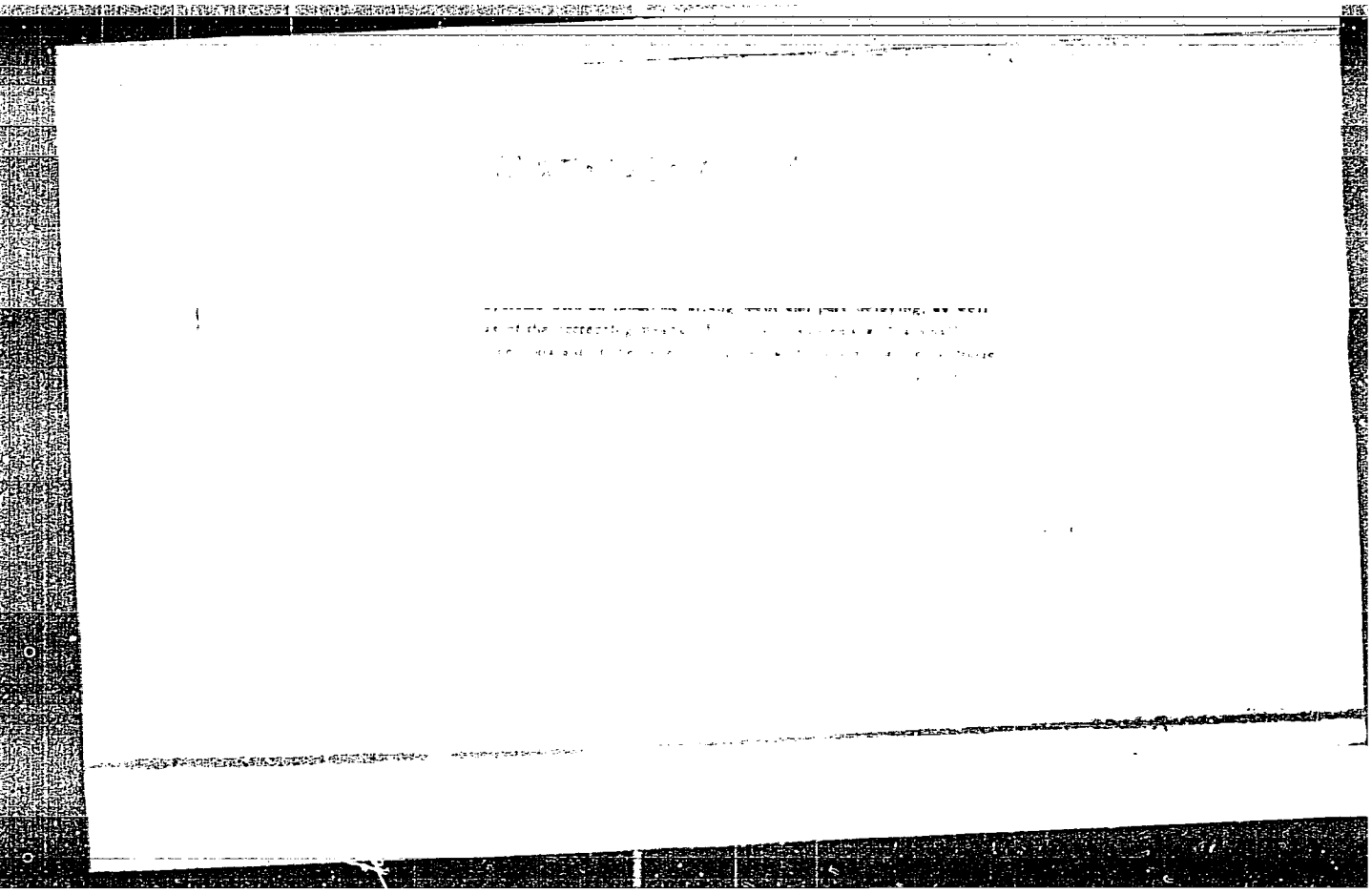
PROCESSES AND PROPERTIES INDEX

Airplane gasolines of high octane number. A. Vrab[illegible] [illegible]. Neftyanoe Khoz. 18, No. 6, 12 (1937); Chimie & Industrie 39, 98. Destructive hydrogenation of [illegible] pyrolytic oil gives a light gasoline with an octane no. of [illegible] in presence of PbEt4. The gasoline produced by destructive hydrogenation of fuel oil from heavy Balakhany crude oil has, under the same conditions, an octane no. of 91-93. Cracking of kerosene in presence of $AlCl_3$ could give gasolines having octane nos. of over 100 (in presence of PbEt4). On the other hand, the light fractions of paraffinic petroleums, distg. below 80-100°, give with PbEt4 gasolines with octane no. of 90-95, which are excellent for improving naphthenic gasolines. A. P. C.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860020011-2"



APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860020011-2"

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16.3510

S/020/60/132/05/04/069

16

AUTHOR: Virabyan, G. V.

TITLE: The Spectrum of a Certain Operator and Dirichlet's Problem for the Equation $\Box^2 u + 4\frac{\partial^2}{\partial t^2}\Box u + 2\frac{\partial^4 u}{\partial t^4} = f(x,y,z,t)$. (16)

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol. 132, No. 5, pp. 986-989

TEXT: Let Ω be the finite domain bounded by $\Gamma \equiv x^2 + y^2 + z^2 + t^2 - 1 = 0$. Consider in Ω the Hilbert space $H_B^*(\Omega)$ which arises by completion of the linear manifold D_B of the finite functions infinitely differentiable in Ω with the scalar product $(u,v)_B$, where

$$(1)\quad (u,v)_B = \iiint_\Omega \Big\{ \frac{\partial^2 u}{\partial x^2}\frac{\partial^2 v}{\partial x^2} + \frac{\partial^2 u}{\partial y^2}\frac{\partial^2 v}{\partial y^2} + \frac{\partial^2 u}{\partial z^2}\frac{\partial^2 v}{\partial z^2} + \frac{\partial^2 u}{\partial t^2}\frac{\partial^2 v}{\partial t^2} + 2\frac{\partial^2 u}{\partial x \partial y}\frac{\partial^2 v}{\partial x \partial y} +$$

$$+ 2\frac{\partial^2 u}{\partial x \partial z}\frac{\partial^2 v}{\partial x \partial z} + 2\frac{\partial^2 u}{\partial x \partial t}\frac{\partial^2 v}{\partial x \partial t} + 2\frac{\partial^2 u}{\partial y \partial z}\frac{\partial^2 v}{\partial y \partial z} + 2\frac{\partial^2 u}{\partial y \partial t}\frac{\partial^2 v}{\partial y \partial t} +$$

$$+ 2\frac{\partial^2 u}{\partial z \partial t}\frac{\partial^2 v}{\partial z \partial t} \Big\} d\Omega + \iint_\Gamma u\,d\sigma \iint_\Gamma v\,d\sigma + \iint_\Gamma \frac{\partial u}{\partial n}d\sigma \iint_\Gamma \frac{\partial v}{\partial n}d\sigma$$

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The Spectrum of a Certain Operator and Dirichlet's Probelm for the Equation $\Box^2 u + 4\frac{\partial^2}{\partial t^2}\Box u + 2\frac{\partial^4 u}{\partial t^4} = f(x,y,z,t)$.

In $H_B^*(\Omega)$ let the operator B^2 be defined by $B^2 = \Delta^{-2}\frac{\partial^4}{\partial t^4}$, where Δ^{-2} is the inverse operator to the biharmonic Laplace operator for $u|_\Gamma = \frac{\partial}{\partial n}|_\Gamma = 0$.

Theorem 1: B^2 is symmetric, bounded and positive definite on the dense manifold D_B of the space $H_B^*(\Omega)$.

Theorem 2: The spectrum of B^2 in $H_B^*(\Omega)$ is discrete. The following boundary value probelm is considered

(7) $L(u) \equiv \Box^2 u + 4\frac{\partial^2}{\partial t^2}\Box u + 2\frac{\partial^4 u}{\partial t^4} = f(x,y,z,t)$

(8) $u|_\Gamma = 0$, (8') $\frac{\partial u}{\partial n}|_\Gamma = 0$, where $\Box \equiv \frac{\partial^2}{\partial x^2} + \frac{\partial^2}{\partial y^2} + \frac{\partial^2}{\partial z^2} - \frac{\partial^2}{\partial t^2}$

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The Spectrum of a Certain Operator and Dirichlet's Problem for the Equation $\Box^2 u + 4\frac{\partial^2}{\partial t^2}\Box u + 2\frac{\partial^4 u}{\partial t^4} = f(x,y,z,t)$.

n is the exterior normal of Γ. Let Ω be a finite domain bounded by a sufficiently smooth surface Γ.

Theorem 3: If B^2 possesses a complete normed orthogonal system of eigenfunctions in $H_B^*(\Omega)$, then for the uniqueness of the solution of (7), (8), (8') it is necessary and sufficient that the number $\mu^* = \frac{1}{2}$ is no eigenvalue of B^2 in $H_B^*(\Omega)$.

Let $f(x,y,z,t) \in W_2^{(2)}(\Omega)$ and

$$(11)\quad F(x,y,z,t) = \frac{1}{6}\int_0^t (t-\tau)^3 f(x,y,z,t)\, d\tau .$$

From $F \in W_2^{(2)}(\Omega)$ it follows that

$$(12)\quad F = F_0 + \sum_{k=1}^{\infty} F_k \chi_k$$

where χ_k are the eigenfunctions of B^2

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The Spectrum of a Certain Operator and Dirichlet's Probelm for the Equation $\Box^2 u + 4 \frac{\partial^2}{\partial t^2} \Box u + 2 \frac{\partial^4 u}{\partial t^4} = f(x,y,z,t)$.

Theorem 4: If the series

$$(13) \qquad \sum_{k=1}^{\infty} \frac{F_k^2}{(1/\lambda_k - 2)^2}$$

converges, then the boundary value problem possesses a solution in $W_2^{(2)}(\Omega)$.

Let H be the Hilbert space which arises by completion in D_B in the sense of the scalar product

$$(18) \quad (u,v) = \iiint_{\Omega} \left\{ \frac{\partial u}{\partial x}\frac{\partial v}{\partial x} + \frac{\partial u}{\partial y}\frac{\partial v}{\partial y} + \frac{\partial u}{\partial z}\frac{\partial v}{\partial z} + \frac{\partial u}{\partial t}\frac{\partial v}{\partial t} \right\} d\Omega$$

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The Spectrum of a Certain Operator and Dirichlet's Probelm for the Equation $\Box^2 u + 4 \frac{\partial^2}{\partial t^2} \Box u + 2 \frac{\partial^4 u}{\partial t^4} = f(x,y,z,t)$.

Let $B = \Delta^{-1} \frac{\partial^2}{\partial t^2}$, where Δ^{-1} is the inverse operator to the Laplace operator for vanishing boundary conditions. Lete the hypermaximum extension of B be denoted again with B.

Theorem 5: The limit spectrum of B in H is identical with the interval $[0,1]$.

The author mentions R. Denchev and S.L. Sobolev, Academician, whom he thanks.

There are 5 references: 4 Soviet and 1 German.

ASSOCIATION: Vychislitel'nyy tsentr Akademii nauk Arm SSR (Computing Center AS Armenian SSR)

PRESENTED: February 24, 1960, by S. L. Sobolev, Academician

SUBMITTED: January 25, 1960

Card 5/5

VIRABYAN, G.V.

Spectrum of one operator and the Dirichlet problem for the equation $\Box^2 u + 4\frac{\partial^2}{\partial t^2}\Box u + 2\frac{\partial^4 u}{\partial t^4} = f(x, y, z, t)$ Dokl.AN SSSR 132 no.5:986-989 Je '60. (MIRA 13:6)

1. Vychislitel'nyy tsentr Akademii nauk ArmSSR. Predstavleno akademikom S.L.Sobolevym.
(Differential equations, Partial) (Operators (Mathematics))

VIRABYAN, G.V.

Spectral equivalence of two operators generated by one class of Sobolev differential equation systems. Dokl.AN SSSR 132 no.6:1238-1241 Je '60. (MIRA 13:6)

1. Vychislitel'nyy tsentr Akademii nauk ArmSSR. Predstavleno akademikom S.L.Sobolevym.
(Operators (Mathematics))

81385

S/020/60/132/06/04/068
C111/C222

AUTHOR: Virabyan, G.V. 16

TITLE: The Spectral Equivalence of Two Operators Generated by a Certain Class of Sobolev's Systems of Differential Equations

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol. 132, No. 6, pp. 1238-1241

TEXT: Let Ω be a finite domain in the R_n with a suitably smooth boundary Γ. Let $D_{\mathcal{A}}$ be the linear manifold of the smooth solenoidal n-dimensional vectors the components of which are integrable in the square in Ω. Let the Hilbert space H_1 arise by the closure of $D_{\mathcal{A}}$ in the sense of the scalar product

$$(1) \quad (u,v)_1 = \int_{\Omega} \cdots \int \{u_1\bar{v}_1 + \cdots + u_n\bar{v}_n\} d\Omega .$$

In H_1 let the operator $\mathcal{A}$ be defined by

$$(2) \quad v \in D_{\mathcal{A}} , \quad \mathcal{A}v = Av + B \operatorname{grad} Sv , \quad Sv = P$$

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The Spectral Equivalence of Two Operators Generated by a Certain Class of Sobolev's Systems of Differential Equations

where P has to be determined from

(3) $L(P) = \operatorname{div} Av$, $P|_\Gamma = 0$,

where $L = -\sum_{i,j=1}^{n} \frac{\partial}{\partial x_i}\left(l_{ij} \frac{\partial}{\partial x_j}\right)$ is a differential operator of second order of elliptic type with variable coefficients, $A = \|a_{ij}\|$, $B = \|b_{ij}\|$, $i,j = 1,2,\ldots,n$; $A^2 = E$; B-positively definite; $AB = BA$. The operator $\mathcal{A}$ is generated by a system of differential equations of S.L. Sobolev (compare (Ref.1)).

Let D_Q be the linear manifold of the infinitely differentiable finite functions in Ω . Let the Hilbert space H_2 arise from D_Q by the closure in the sense of the scalar product

(5) $(u,v)_2 = \int \cdots \int_\Omega Lu \cdot \overline{v}\, d\Omega$.

Let the operator Q be defined in H_2 by $Q = -L^{-1} M$, where

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The Spectral Equivalence of Two Operators Generated by a Certain Class of Sobolev's Systems of Differential Equations

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$$M = \sum_{i,j=1}^{n} \frac{\partial}{\partial x_i} \left(c_{ij} \frac{\partial}{\partial x_j} \right) , \quad \| c_{ij} \| = \| a_{ij} \| \cdot \| b_{ij} \| .$$

Let $H_1^{(A)}$ be the proper subspace of the operator $\mathcal{A}$ which corresponds to the matrix A. The subspaces $H_1^{(1)}$ and $H_2^{(1)}$ correspond to the discrete parts of the spectra of $\mathcal{A}$ in $H_1 \ominus H_1^{(A)}$ and of Q in H_2. Let

$$(7) \quad H_{\mathcal{A}} = H_1 \ominus \{ H_1^{(A)} \oplus H_1^{(1)} \} , \quad H_Q = H_2 \ominus H_2^{(1)} .$$

Theorem : In the case of a continuous spectrum in $H_{\mathcal{A}}$ the complete system of eigendifferentials for the operator Q in H_Q can be constructed with the aid of the complete system of eigendifferentials of the operator $\mathcal{A}$, and reversely.

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The Spectral Equivalence of Two Operators Generated by a Certain Class of Dobolev's Systems of Differential Equations

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The author mentions R.A. Aleksandryan. There are 2 Soviet references.

ASSOCIATION: Vychislitel'nyy tsentr Akademii nauk Arm SSR (Computing Center of the AS Armenian SSR)

PRESENTED: February 24, 1960, by S.L. Sobolev, Academician

SUBMITTED: January 25, 1960

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16(1) SOV/20-128-1-2/58

AUTHOR: Virabyan, G.V.

TITLE: Spectral Equivalence of two Operators

PERIODICAL: Doklady Akademii nauk SSSR,1959,Vol 128,Nr 1,pp 13-16 (USSR)

ABSTRACT: S.L. Sobolev [Ref 1] has shown that small oscillations of a rotating fluid satisfy the equation $\frac{\partial^2 \phi}{\partial t^2} = - B\phi$, where $B = \Delta^{-1} \cdot \frac{\partial^2}{\partial z^2}$. The connection between B and the operator C is considered which expresses the derivative of the velocities of an oscillating rotating fluid.
Let H_A be the Hilbert space of the complex solenoidal vectors, the components of which are square-integrable in the considered domain Ω with the boundary Γ ; let the scalar product be $(\omega, \omega)_A = \iiint_\Omega (v_x \overline{w}_x + v_y \overline{w}_y + v_z \overline{w}_z) d\Omega$. In the linear

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manifold D_A which is dense in H_A let the operator A be defined by

(1) $A\omega = w$, $\omega \in D_A$; $w_x = v_x + \frac{\partial P_o}{\partial y} + i\frac{\partial P_1}{\partial x}$; $w_y =$

$= v_y - \frac{\partial P_o}{\partial x} + i\frac{\partial P_1}{\partial y}$; $w_z = i\frac{\partial P_1}{\partial z}$; $\Delta P_o = \frac{\partial v_y}{\partial x} - \frac{\partial v_x}{\partial y}$;

$\Delta P_1 = i\left(\frac{\partial v_x}{\partial x} + \frac{\partial v_y}{\partial y}\right)$, $P_o|_\Gamma = 0$, $P_1|_\Gamma = 0$.

It is $A = C^2$. Let the Hilbert space H_B arise by closing the linear manifold of infinitely differentiable finite functions in the sense of :

Spectral Equivalence of two Operators

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$(u,v)_B = \iiint_\Omega \left[\frac{\partial u}{\partial x}\frac{\partial \bar{v}}{\partial x} + \frac{\partial u}{\partial y}\frac{\partial \bar{v}}{\partial y} + \frac{\partial u}{\partial z}\frac{\partial \bar{v}}{\partial z} \right] d\Omega$. Let $H_A^* =$

$= H_A \ominus \left\{ H_A^0 \oplus H_A^1 \right\}$, where H_A^0 , H_A^1 are proper subspaces.

Fundamental theorem : 1. The set of points of the spectra of A in H_A and B in H_B are identical. 2. The eigen values of A in H_A^* and B in H_B are the same , including multiplicities.

3. In the case of a continuous spectrum one can construct with the aid of a complete system of eigen differentials of A in H_A^* the complete system of eigen differentials of B in H_B ; and inversely.

R.A. Aleksandryan is mentioned by the author.

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Spectral Equivalence of two Operators SOV/20-128-1-2/58

There are 2 Soviet references.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova (Moscow State University imeni M.V. Lomonosov)

PRESENTED: May 14, 1959, by S.L. Sobolev, Academician

SUBMITTED: May 11, 1959

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L 13827-63 EWT(d)/FCC(w)/BDS AFFTC IJP(C)

ACCESSION NR: AP3003546 S/0020/63/151/002/0258/0261

54

AUTHOR: Virabyan, G. V.

TITLE: Resolvent of an operator 16

SOURCE: AN SSSR. Doklady*, v. 151, no. 2, 1963, 258-261

TOPIC TAGS: boundary-value problem, Green function, operator resolvent

ABSTRACT: The author constructs Green's function for the boundary-value problem (1) and (2) of the enclosure, when the domain is a quadrant, a strip, a half-strip, and a square. It is indicated that the construction of the Green's function is equivalent to the construction of the resolvent of the operator $-TS$, where T is the operator inverse to the Laplacian and S is the wave operator. "I take this opportunity to express my sincere gratitude to my teachers S. L. Sobolev and R. A. Aleksandryan for proposing the problem and for valuable suggestions in carrying out this work." The paper was presented by Academician S. L. Sobolev on 2 February 1963. Orig. art. has: 9 formulas.

ASSOCIATION: Vy*chislitel'ny*y tsentr Akademii nauk ArmSSR (Computer Center, Academy of Sciences ArSSR)

SUBMITTED: 04 Nov 62 DATE ACQ: 30 Jul 63 ENCL: 01

SUB CODE: MM NO REF SOV: 002 OTHER: 002

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VIRABYAN, G.V.

The resolvent of a certain operator. Dokl. AN SSSR 151 no.2: 258-261 Jl '63. (MIRA 16:7)

1. Vychislitel'nyy tsentr AN Armyanskoy SSR. Predstavleno akademikom S.L.Sobolevym.

(Operators (Mathematics))

VIRABYAN, G.V.

Spectral properties of operators generated by Sobolev-type differential equations of higher order. Dokl. AN SSSR 150 no.1:13-16 My '63. (MIRA 16:6)

1. Vychislitel'nyy tsentr AN ArmSSR i Yerevanskiy gosudarstvennyy universitet. Predstavleno akademikom S.L.Sobolevym.
(Operators (Mathematics)) (Differential equations)

MANVELYAN, M.G.; KUZ'MINA, N.I.; VIRABYAN, V.A.

An opaque glaze for electric insulating articles. Stek.i ker. 18 no.5:24-25 My '61. (MIRA 14:5)

1. Chlen-korrespondent Akademii nauk Armyanskoy SSR (for Manvelyan). (Glazes) (Electric insulators and insulation)

VIRABYANTS, R.A.

Physical and chemical methods for testing furnace black. Gaz.prom. no.9:30-34 S '57. (MIRA 10:10)
(Carbon black)

RYBAK, Boris Moiseyevich; VIRABYANTS, R.A., kand. khim. nauk, retsenzent; KLEYMENOVA, K.F., ved. red.; LEVINA, Ye.S., ved. red.; POLOSINA, A.S., tekhn. red.

[Analysis of petroleum and petroleum products] Analiz nefti i nefteproduktov. Izd.5., dop. i perer. Moskva, Gostoptekhizdat, 1962. 887 p. (MIRA 15:3)

(Petroleum analysis)

VIRAG, A.

Economic problems of the interurban automotive transportation in the U.S.A. Medun transp 10 no.12:37-40 D '64.

KERTESZ, Otto (Gyor); VIRAG, Antal (Gyor)

New working methods in track maintenance. Vasut 12 no.3:22-23 Mr '62.

GROSANU, I.; PAUNESCU, M.; VIRAG, I.

Calculating the stress of a reinforced concrete pile driven into the ground by vibropercussions. Bul St si Tehn Tim 9 no.2:313-320 Jl-D '64.

VIRAG, Imre (Budapest II, Keleti Karoly u.30)

Once more on the perlite-case. Musz elet 16 no.18:5 '61.

BAKACSI, Gyula, dr.; SZABO, Lajos, dr.; TROJAN, Emil, dr.; VIRAG, Istvan, dr.

On the problem of acute osteomyelitis in infants and children. Orv. hetil. 103 no.5:205-207 F '62.

1. Szegedi Orvostudomanyi Egyetem, Gyermekklinika.

(OSTEOMYELITIS in inf. & child.)
(ANTIBIOTICS therapy) (CORTISONE therapy)

SZABO, Lajos, dr.; VIHAG, Istvan, dr.

Glucose-6-phosphate dehydrogenase defect of erythrocytes. (Screening tests; acute hemolytic anemia). Orv. hetil. 105 no.49:2318-2321 6 D '64.

1. Szegedi Orvostudomanyi Egyetem, Gyermekklinika (Igazgato: Boda Domokos dr.).

Pediatrics

HUNGARY

PATAKI, Lajos, Dr, KAISER, Gabriella, Dr, VIRAG, Istvan, Dr, ROMAN, Ferenc, Dr; Medical University of Szeged, Pediatric Clinic (director: BODA, Domokos, Dr) (Szegedi Orvostudomanyi Egyetem, Gyermekklinika), and National Blood Transfusion Service, Branch Center (head: GAL, Gyorgy, Dr) (OVSZ -- Orszagos Vertranszfuzios Szolgalat --, Alkozpont), Szeged.

"New Therapeutic Possibility for the Hemolytic Disease of Newborn Caused by Rh Iso-Immunization. The Use of Rh-Positive Blood Based on the Testing of the Free Anti-D Antibody of the Newborn. (Preliminary Communication.)."

Budapest, Orvosi Hetilap, Vol 108, No 8, 19 Feb 67, pages 352-354.

Abstract: [Authors' Hungarian summary] 1) The free anti-D antibody can be bound to Rh-positive blood; when the exchange transfusion is continued with Rh-negative blood, the bound antibody can be removed more effectively. 2) When anti-D antibody is absent, hyperbilirubinemia does not always develop in spite of a positive direct Coombs reaction. In these cases, an exchange transfusion can be avoided. 3) In the case of hyperbilirubinemia with a positive direct Coombs reaction but absence of free anti-D antibody, the exchange transfusion can be carried out with Rh-positive blood as well. 4) It seems probable that the indications and performance of exchange transfusions in cases of Rh incompatibility will be modified, in the future, by testing for the presence of free anti-D antibodies in the circulation of the newborn. 1 Hungarian, 11 Western references.

1/1

TOTH, Gyorgy, dr.; VIRAG, Istvan, dr.; DUX, Erno, dr.; ROMAN, Ferenc, dr.

Bone marrow disease in an infant caused by antiepileptic treatment (Sacerno) of the mother during pregnancy. Orv. hetil. 106 no.22:1029-1030 30 My'65.

1. Szegedi Orvostudomanyi Egyetem, Gyermekklinika.

VIRAG, Jozsef

Modern meat industry machinery. Technika 7 no.7:6-7 Jl '63.

1. Gepterveszo es Muszaki Iroda.

VIRAG, J.

New Hungarian machines for the meat industry.

P. 243. (GEP.) (Budapest, Hungary) Vol. 9, No. 7/8, Oct./Nov. 1957

SO: Monthly Index of East European Accession (EEAI) LC. Vol. 7, No. 5, 1958

VIRAG, Lajos (Kiskunhalas)

Farewell to pensioners in Kiskunhalas. Magy vasut 6 no.24:6 15 D '62.

LELEK, Istvan; NAGY, Dezso; KADAS, Laszlo; VIRAG, Lajos

A lipoid-mobilizing hormone in man. Kiserletes orvostud. 13 no.4: 430-433 Ag '61.

1. Soproni Allami Szanatorium Belosztaly es Vasmegye Tanacsa "Markusovszky" Korhaza Prosecturaja.

(LIPIDS metab) (PITUITARY GLAND POSTERIOR hormones)

KADAS, Laszlo; VIRAG, Lajos

Role of the neuro-endocrine relationship in blood coagulation.
Kiserletes Orvostud. 12 no.6:572-577 D '60.

1. Vasmegyei Tanacs Korhazanak Korszovettani Laboratoriuma.
(BLOOD COAGULATION pharmacol)
(CORTISONE pharmacol)
(CORTICOTROPIN pharmacol)

JANI, Sandor; SZEBENYI, Lajos; VIRAG, Lajos

Water supply of industrial plants. Magy ep ipar 13 no.7:400-406 '64.

GERO, S.; FARKAS, K.; GERGELI, I.; YAKAB, I.; CHEKELI, I.; VIRAG, S.; TSUPPON, A.

Preventive effects of β-lipoprotein immunization in the development of experimental cholesterol atherosclerosis. Vest.AMN SSSR 16 no.3: 20-27 '61. (MIRA 14:7)

1. 3-ya Meditsinskaya klinika Budapeshtskogo universiteta, Otdel patologii Budapeshtskogo gosudarstvennogo revmatologicheskogo instituta.
(ARTERIOSCLEROSIS) (LIPOPROTEINS)

GERGELY, Janos, dr.; GERO, Sandor, dr.; JAKAB, Lajos, dr.; SZEKELY, Judit, dr.; VIRAG, Sandor, dr.; CZUPPON, Alfred, dr.

Studies on beta-lipoprotein antigens. Antigenic relationship between beta-lipoproteins from atherosclerotic patients and experimental animals. Orv.hetil. 102 no.31:1450-1452 30 Jl '61.

1. Budapesti Orvostudomanyi Egyetem, III. sz. Belklinika es a MTA Muszaki Fizikai Kutato Intezet Mikomorfologiai Osztalya.

(ARTERIOSCLEROSIS immunol) (LIPOPROTEINS blood)
(ANTIGENS)

GERO, Sandor, dr.; GERGELY, Janos, dr.; DEVENYI, Tibor; JAKAB, Lajos, dr.; SZEKELY, Judit, dr.; VIRAG, Sandor, dr.

Role of mucoid substances of the blood vessel in the pathogenesis of atherosclerosis. Orv. hetil. 102 no.25:1165-1168 18 Je '61.

1. Budapesti Orvostudomanyi Egyetem, III sz. Belklinika.

(ARTERIOSCLEROSIS etiol)
(BLOOD VESSELS chem)

GERO, Sandor, dr.; GERGELY, Janos, dr.; DEVENYI, Tibor, dr.; JAKAB, Lajos, dr.; SZEKELY, Judit, dr.; VIRAG, Sandor, dr.

Effect of mucopolysaccharides on the auto-lipolytic activity of the vascular wall. Orv. hetil. 103 no.17:781-782 29 Ap '62.

1. Budapesti Orvostudomanyi Egyetem, III ss. Belklinika.

(MUCOPOLYSACCHARIDES pharmacol)
(LIPIDS metab)
(BLOOD VESSELS pharmacol)

GERO, Sandor, dr.; FARKAS, Karoly, dr.; GERGELY, Janos, dr.; JAKAB Lajos, dr.; SZEKELY, Judit, dr.; VIRAG, Sandor, dr.; CZUPPON, Alfred, dr.

Inhibition of cholesterol atherosclerosis by imnunization with β-lipoprotein. Orv.hetil. 101 no.41:1441-1447 9 O '60.

1. Budapesti Orvostudomanyi Egyetem, III. sz. Belklinika, Orszagos Rheuma es Furdougyi Intezet, Prosectura, MTA Muszaki Fizikai Kutatointezet.
(ARTERIOSCLEROSIS exper)
(LIPOPROTEINS)

GERO, Sandor, dr.; GERGELY, Janos, dr.; JAKAB, Lajos, dr.; SZEKELY, Judit, dr.; VIRAG, Sandor, dr.

Comparative immuno-electrophoretic studies on different vascular regions. Orv.hetil. 102 no.6:247-248 5 F'61.

1. Budapesti Orvostudomanyi Egyetem, III. Belklinika.
(BLOOD VESSELS)
(ELECTROPHORESIS)

VIRAGH, Antal; MOLNAR, Bela

Continuous manufacture of some sorts of chopped meat products - special chopped meat, morning canned goods and luncheon meat. Konzerv paprika no.5:156-158 S-O '62.

1. Budapesti Konzervgyar.

DORRE, Pal, okleveles mernok; VIRAGH, Bela, okleveles mernok

Line correction of the Hungarian State Railways at Balatonfuzfo. Melyepitestud szemle 13 no.4:145-150 Ap '63.

1. Fovarosi Melyepitesi Tervezo Vallalat csoportvezetoje (for Dorre).
2. MAV muszaki fotanacsos; MAV Budapesti Epitesi Fonokseg fomernoke (for Viragh).

HUNGARY

VODROS, Daniel, and VIRAGH, Elemer, Departmental Research Group in Medical Radiology (Orvosradiologiai Akademiai Tanszeki Kutato Csoport) of the MTA (Director: Prof Dr Zoltan ZSEBOK).

"Measurement of Irradiation Per Unit Time Using Ionization Chambers with Vibratory Condenser"

Budapest, Magyar Radiologia, Vol 18, No 6, Dec 66; pp 357-360.

Abstract [Authors' English summary]: The ionization currents produced by different gamma-radiating isotopes in ionization chambers have been measured by authors by means of an electrometer with vibratory condenser. Using ionization chambers with volume of 1, 10, 100, 2500 and 10,000 cm^3 and with resistance of 10^9, 10^{10} and 10^{11} ohms, the intensity of the doses used in radiological practice may be determined with great accuracy. 3 References, all Eastern.

1/1

FERENCZI, Endre, dr.; STOLL, Kalman, dr.; VIRAGH, Gyula, dr.

Epidemiological aspects of infectious enterocolitis in Budapest.
Nepegeszsegugy 41 no.6:160-168 Je '60.

(COLITIS epidemiol)

VIRAGH, I.

Seed used for sowing. p. 3. (Magyar Mezogazdasag, Vol. 11, no. 2, Jan. 1956 Budapest)

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

VIRAGH, I.

Decaying of seed in storage. p. 9. (Magyar Mezogazdasag, Vol. 11, no. 7, Apr. 1956 Budapest)

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

VIRAGH, I.

VIRAGH, K. Some problems of corn seed. II. p. 5

Vol. 11, no. 8, Apr. 1956
MAGYAR MEZOGAZDASAG
AGRICULTURE
Budapest, Hungary

So: East European Accession, Vol. 6, No. 3, March 1957

VIRÁGH, I.

VIRÁGH, I. For a qualitative cultivation of plants. p. 4.

Vol. 11, no. 11, June 1956
MAGYAR MEZŐGAZDASÁG
KÖRÖSI LAPJA
Budapest, Hungary

So: East European Accession, Vol. 6, No. 5, 1957

VIRAGH, I.

VIRAGH, I. - The quality of seeds of cereal grains. p. 5
Vol. 11, no. 14, July 1956
Magyar Mezogazdasag - Budapest, Hungary

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

GEREB, Gyorgy, dr.; VIRAGH, Laszlo

Psychological testing of the fatiguing effect of work processes performed by workers at hemp spinning mills. Magy pszichol szemle 18 no.3:294-305 '61.

1. Szegedi Kenderfonogyar (vallalatvezeto: Nagygyorgy Maria).

VIRAGH, Sz.; VIRAGH-KISS, Julia

Changes in the heart's conduction system in hypertensive states.
Acta Morph. Acad. Sci. Hung. 11 no.2:239-255 '62.

1. Department of Pathological Anatomy, University Medical School, Szeged (Director: Prof. B. Korpassy)

(HEART pathol) (HYPERTENSION pathol)

VIRAGH, Szabolcs; PORTE, Aime

Studies in the innervation and stimulus conduction system of the heart on the basis of examining the heart of rats by means of an electronmicroscope. Biol orv kozl MTA 13 no.1-2:159-190 '62.

1. Szegedi Orvostudomanyi Egyetem Korbonctani es Korszovettani Intezete es a Strasbourgi Egyetem Korbonctani es Korszovettani Intezete.

VIRAGH SZABOLCS, Dr.; SZABO REZSO, Dr.; KOLLER KATALIN, Dr.

Eisenmenger complex in adolescence associated with open Botalli duct and aortic coarctation. Orv. hetil. 99 no.45:1584-1586 9 Nov 58.

1. A Szegedi Orvostudomanyi Egyetem Korbonctani es Korszovettani Intezetenek (igazgato: Korpassy Bela dr. egyet tanar) es II sz-Belklinikajanak (mb. vezeto: Szigetoi Istvan dr. adjunctus) kozlemenye.

(CARDIOVASCULAR DEFECTS, CONGENITAL, case reports
Eisenmenger complex with patent ductus arteriosus & coarctation of aorta in adolescent girl (Hun))

(DUCTUS ARTERIOSUS, PATENT, case reports
with Eisenmenger complex & coarctation of aorta in adolescent firl (Hun))

(COARCTATION OF AORTA, case reports
with Eisenmenger complex & patent ductus arteriosus in adolescent girl (Hun))

HUNGARY

VIRAGH, S., of the Institute of Morbid Anatomy of the Medical University of Szeged [Original version not given].

"Electron Microscopy of the Impulse-Conducting System and Nervous Elements of the Heart"

Budapest, Acta Physiologica Academiae Scientiarum Hungaricae, Supplement to Vol 22, 1963; pp 9-10.

Abstract [Author's English summary]: In the rat and guinea pig no basic difference has been found to exist between the conductor fiber and the common muscle fibers of the heart. There are, however, certain differences in the quantity and location of myofibrils, in the organization of the endoplastic reticulum, in the distribution of the mitochondria and in the connection between fibers, etc. The most typical conductor elements are to be found in the sinus node. The largest number of nerve fibers are found in the Aschoff-Tawara node of the heart. There is a certain difference between the individual and collective innervation of the nerve fibers.

1/1

VIRAGH, Szabolcs, Dr.; SCULTETY, Sandor, Dr.

Malignant neurinoma in the region of the cardia. Orv. hetil. 99 no.49: 1726-1728 7 Dec 58.

1. A Szegedi Orvostudomanyi Egyetem Korbonctani es Korszovettani Intezetenek (igazgato: Korpassy Bela dr. egyet. tanar) es I. sz. Sebeszeti Klinikajanak (igazgato: Jaki Gyula dr. egyet. tanar) kozlemenye.

(STOMACH NEOPLASMS, case reports
neurinoma, malignant, in region of cardia (Hun))
(NEURILEMMOMA, case reports
malignant neurinoma in region of cardia ventriculi (Hun))

L 15501-66
ACC NR: AT6007447 SOURCE CODE: HU/2505/65/026/00X/0049/0049

AUTHOR: Viragh, S.; Kovacs, K.; Tiboldi, T.; Hodi, M.; Julesz, M.

ORG: Medical University of Budapest, Institute of Histology and Embryology (Budapesti Orvostudomanyi Egyetem, Szovettani es Fejlodestani Intezet); Medical University of Szeged, Department of Medicine (Szegedi Orvostudomanyi Egyetem, I. Belgyogyaszati Tanszek)

TITLE: Electron-microscopic structure of the pituitary transplanted into the anterior chamber of the eye /This paper was presented at the 29th Meeting of the Hungarian Physiological Society held in Szeged from 2 to 4 July 1964/

SOURCE: Academia scientiarum hungaricae. Acta physiologica, v. 26, Supplement, 1965, 49

TOPIC TAGS: electron microscopy, histology, animal physiology, endocrinology, gland, hormone, rat

ABSTRACT: Homologous adenohypophysis, transplanted into the anterior chamber of the eye of male albino rats, was examined 50 days after transplantation and later. The transplanted organ underwent significant structural and cellular changes but the presence of every normal type of cell could be demonstrated by electron microscopy. The

Card 1/2

L 15501-66

ACC NR: AT6007447

cell ratio underwent a change in the transplants as the elements containing granules characteristic of the acidophilic mammotropic cells gained preponderance. It was demonstrated earlier by functional studies that the transplanted hypophyses secreted luteotrophin. The pituitary cells, especially near the blood vessels, possess well-developed and regular endoplasmic reticulum characteristic of active function, and they often contain maturing granules. The results appear to indicate that the GOLGI apparatus, too, has a role in the production of the secretory granules. [JPRS]

SUB CODE: 06 / SUBM DATE: none

Card 2/2

HUNGARY/Optics - Photometry. Colorimetry X-12

Abs Jour : Ref Zhur - Fizika, No 4, 1959, No 9906

Author : Viraghalmy Geza
Inst : -
Title : The Principal Problem in Objective Colorimetry

Ori Pub : Mérés es automat., 1958, 6, No 4, 97-100

Abstract : In objective colorimeters, the measurement of the light of the specimen is performed by determining the ratios of the photocurrents from three photocells with different spectral sensitivity. The author indicates conditions for the possibility of recalculation of the primary data to the international system of color coordinates. --- G.H. Rautian

Card : 1/1

VIRAGH, Sz.; VIRAGH-KISS, Julia

Changes in the heart's conduction system in hypertensive states. Acta Morph. Acad. Sci. Hung. 11 no.2:239-255 '62.

1. Department of Pathological Anatomy, University Medical School, Szeged (Director: Prof. B. Korpassy)

(HEART pathol) (HYPERTENSION pathol)

VIRAKHOVSKIY, A.S., (g.Petrodvorets).

Using the topics of the 20th Congress of the Communist Party of the Soviet Union in chemistry classes. Khim.v shkole 11 no.5:16-28 S-O '56. (MLRA 9:11)
(Chemistry, Inorganic--Study and teaching)

LEBEDEVA, G.N.; VIRAKHOVSKIY, G.S.; SMETANINA, Ye.K.

Effect of sulfuric acid impurities on the quality of ammonium sulfate. Koks i khim. no.6:40-42 '60. (MIRA 13:7)

1. Vostochnyy uglekhimicheskiy institut (for Lebedeva).
2. Magnitogorskiy metallurgicheskiy kombinat (for Virakhovskiy, Smetanina).

(Ammonium sulfate) (Sulfuric acid)

VIRAKHOVSKIY, G.S.; SMETANINA, Ye.K.

Production of white ammonium sulfite. Koks i khim. no.7:40-43 '60. (MIRA 13:7)

1. Magnitogorskiy metallurgicheskiy kombinat.
(Magnitogorsk--Ammonium sulfate)

VIRANT, J.

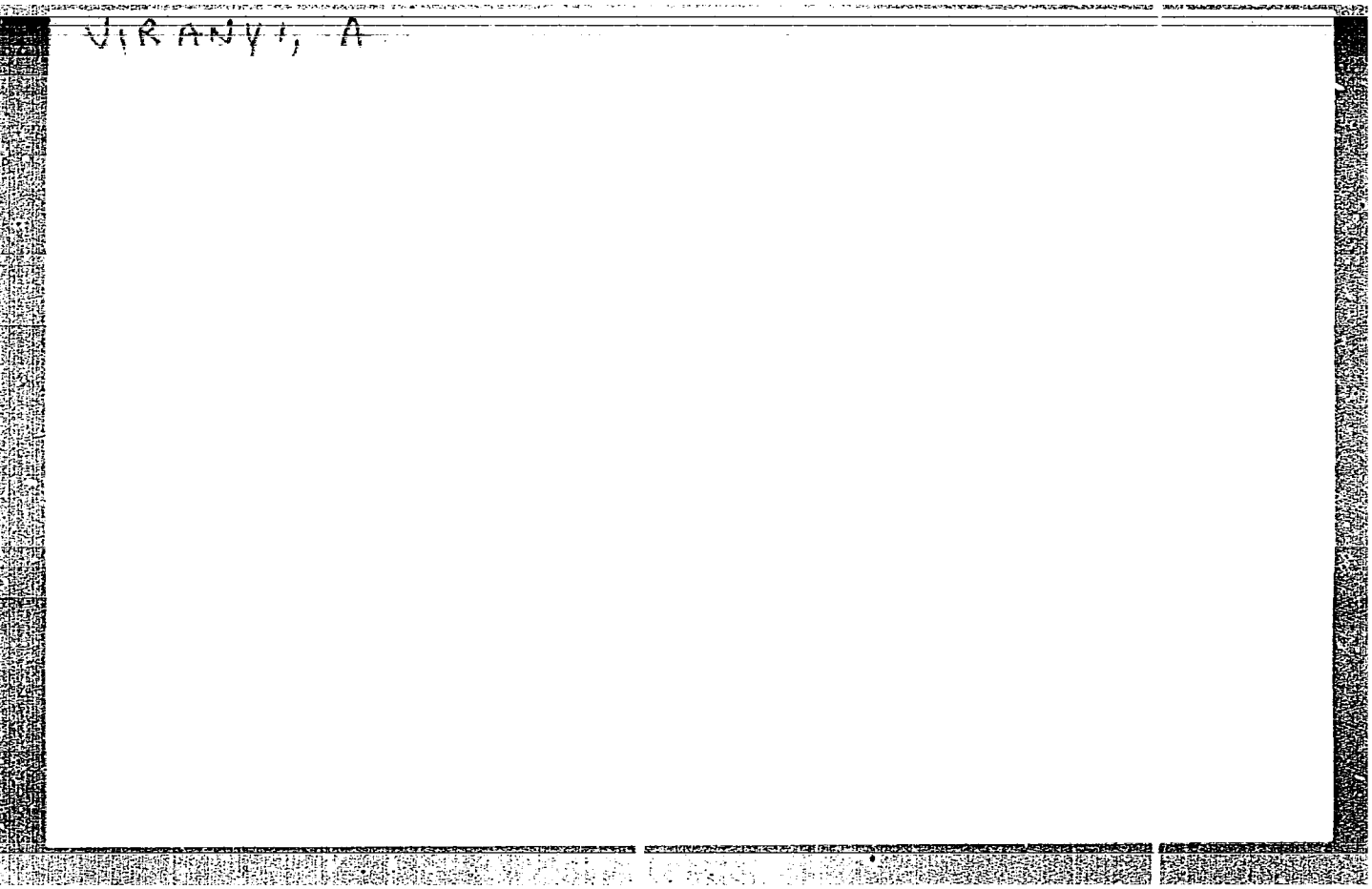
"Technics of electronic computing in management and national economy" by G.Forbrig and H.Luck. Reviewed by J.Virant. Elektr vest 29 no.8/10:234-235 '61.

VIRANOVSKIY, G.B., inzhener.

Removal of valve liners from LM steam engines. Energetik 4 no.9:14 S '56. (Steam engines--Maintenance and repair) (MLRA 9:10)

VIRANOVSKIY, V.V.; PODGORODETSKIY, A.A.

Improving the quality of the delivered product. Metallurg 8 no.11: 32-33 N '63. (MIRA 16:12)



FISCHER, Antal, dr.,; SZECSENY, Andor, dr.,; VIRANYI, Andras, dr.

Neural regulation of function of the kidney tubules. Magy. belorv. arch. 8 no.2:25-35 Apr 55.

1. A Budapesti Orvostudomanyi Egyetem III. sz. Belklinikaja (igazato: Gomori Pal dr. egyetemi tanar) es III. sz. Sebeszeti Klinikaja (igazgato: Rubanyi Pal dr. egyetemi tanar) kozlemenye.

(KIDNEYS, physiology,
regulation by nervous system in dogs)
(NERVOUS SYSTEM, physiology,
regulation of kidney funct. in dogs)

VIRANYI, A.

BACH, I.; SZMUK, I.; GYULAI, E.; VIRANYI, A.

Investigation of the pituitary and adrenal gland system in experimental fever; new method for eosinophil cell count. Orv. hetil., Budap. 93 no.35:1117-1125 2 Sep 1951. (CIML 21:1)

1. Internal Department (Head Physician — Prof. Dr. Imre Bach) and Laboratory (Head Physician -- Dr. Imre Szmuk), Peterfy Sandor-utcai Metropolitan Hospital, Budapest.

VIRANYI, Miklos (HA 5 BD)

Marginal notes on the "OK-DX" competition on the Czechoslovak "Field Day." Radiotechnika 12 no.9:287 S '62.

VIRANYI, Miklos

Balance sheet of the "ether card" during the past 8 months.
Radiotechnika 11 no.7:206 Jl '61.

HUNGARY/Cultivated Plants - Grains.

Abs Jour : Ref Zhur - Biol., No 9, 1958, 39272

Author : Szanto, G., Viranyi, S.
Inst : -
Title : The Present and the Future of Leguminous Plants in Hungary.

Orig Pub : Agratudomany, 1957, 9, No 6, 21-27.

Abstract : No abstract.

Card 1/1

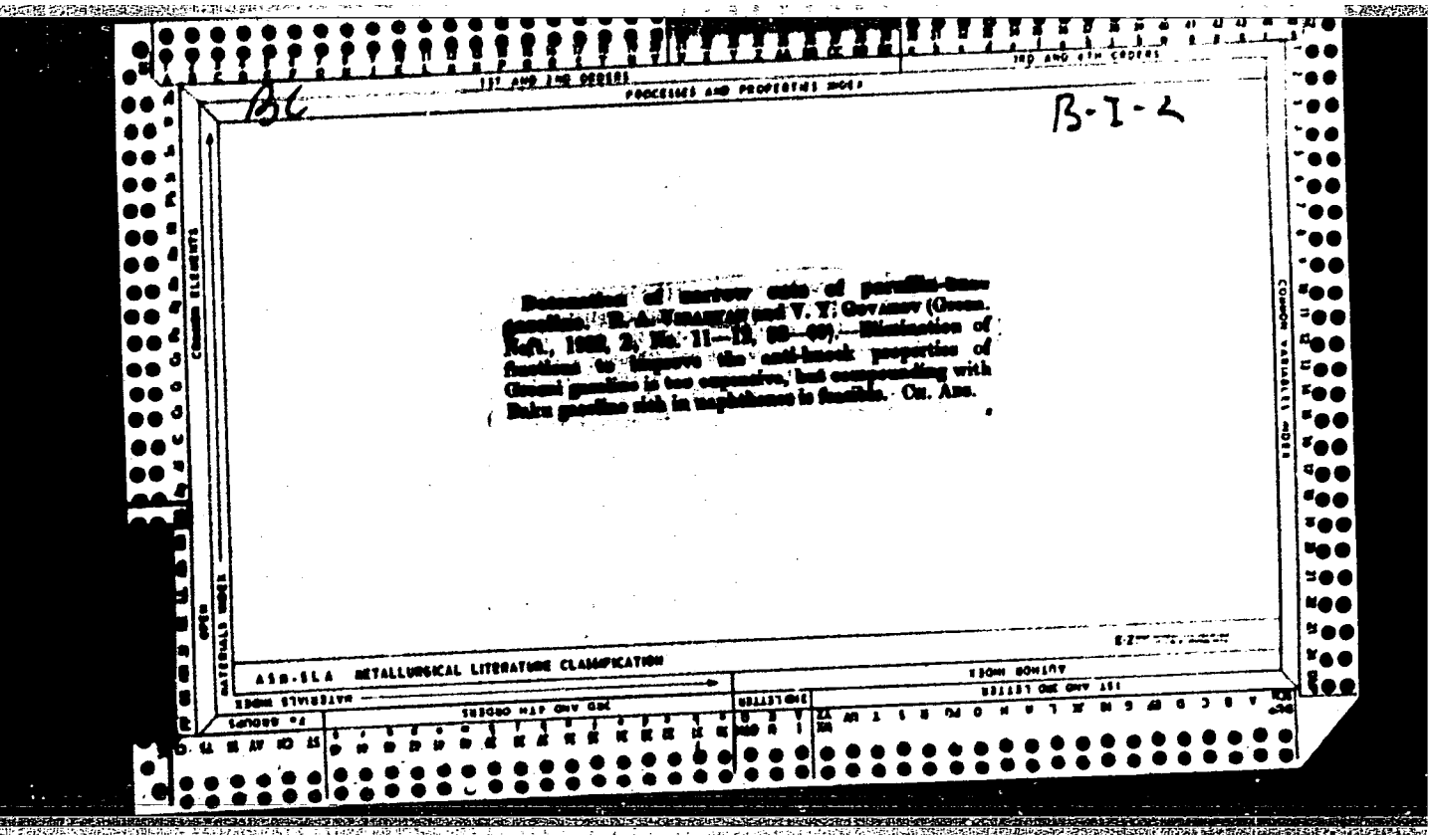
VIRBANSKI, W. S.

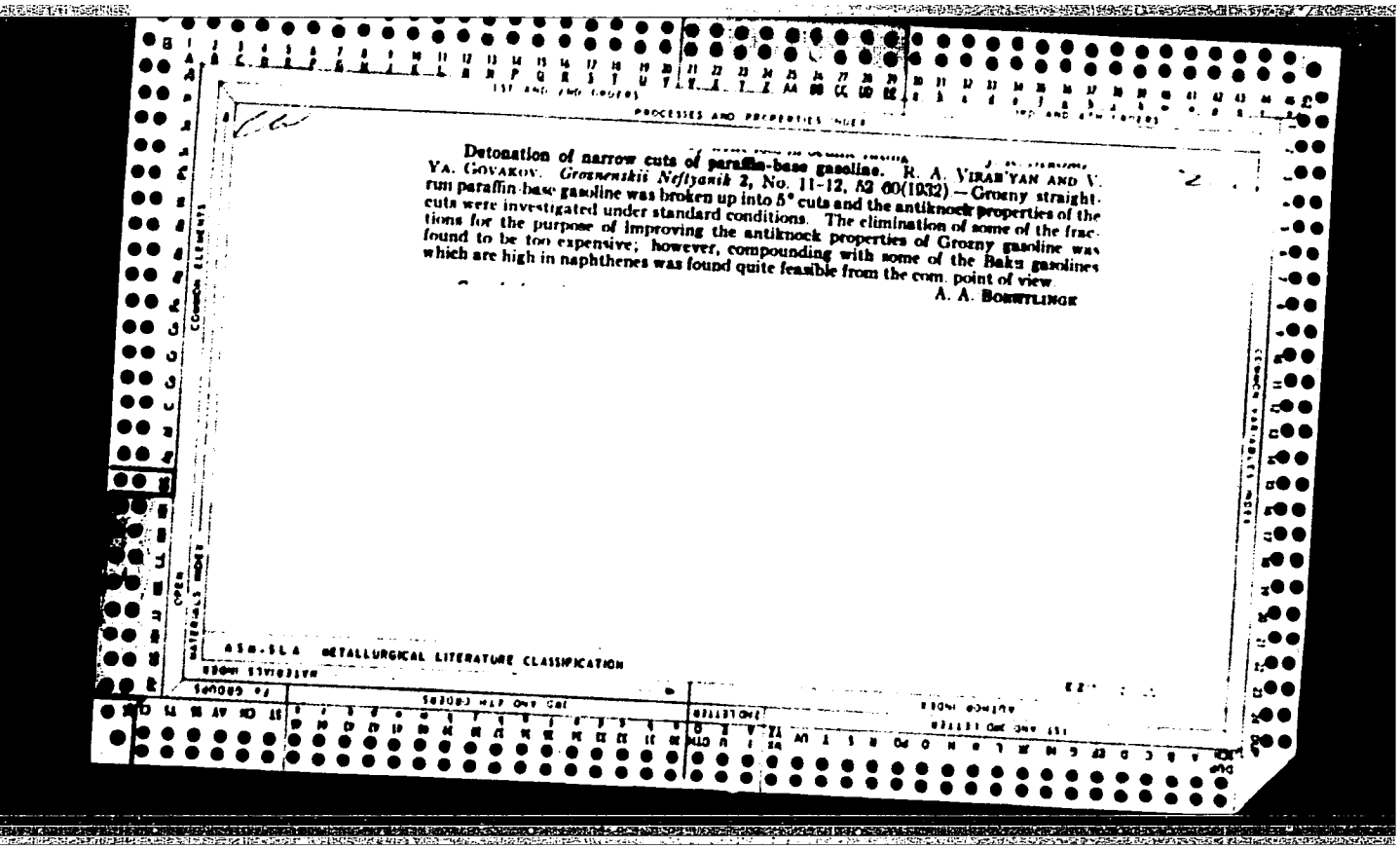
Mathematical Reviews
Vol. 14 No. 7
July - August, 1953
Mechanics.

[illegible], W. S. Une méthode pour calculer les trajectoires de projectiles. [illegible] 3, 217 [illegible] (Polish. French summary)

Consider the projectile as a material point moving in still air, and assume that the only forces acting are the gravity mg and the air resistance $m\mathbf{R}$, the latter acting in the direction of the tangent to the trajectory and opposite to the velocity $\mathbf{v}$ of the projectile. If R depends on the velocity v only and is proportional to the nth power, then $\mathbf{R} = -cF(v)\mathbf{v}/v$, where $cF(v) = bv^n$.

Instead of the variables v, x, y, t the author introduces a reduced velocity $p = v(b/g)^{1/n}$, reduced coordinates $X = (b^2g^{n-2})^{1/n}x$, $Y = (b^2g^{n-2})^{1/n}y$ and a reduced time $\theta = (bg^{n-1})^{1/n}t$, and gives the solution of the problem for the reduced variables in terms of τ and a parameter q, where τ is the angle of inclination to the horizontal of the tangent to the trajectory, and $q = u(b/g)^{1/n}$, u being the velocity of the particle at a summit of the trajectory. Since the trajectories corresponding to one and the same value of the parameter q are similar, it is sufficient for the solution of the particle problem to calculate a family of solutions for a certain range of values for q (separately for $n = 2, 3, 5$). In the case where the density of the air varies with the altitude, or the exponent n varies with the velocity v, the ballistic coefficient b becomes a variable quantity and the method of successive arcs should be applied. In any case, the author claims that the procedure involved in his method is simpler than that of the G. H. M. (Garnier-Haag-Marcus) method. In the case of aviation bombs it is sufficient to restrict n to the case $n = 2$. *E. Leimanis* (Vancouver, B. C.).





PROCESSES AND PROPERTIES INDEX

Detonation of narrow cuts of paraffin-base gasoline. R. A. VIRAB'YAN AND V. YA. GOVAKOV. *Groznenskii Neftyanik* 2, No. 11-12, 82-90(1932).—Grozny straight-run paraffin-base gasoline was broken up into 5° cuts and the antiknock properties of the cuts were investigated under standard conditions. The elimination of some of the fractions for the purpose of improving the antiknock properties of Grozny gasoline was found to be too expensive; however, compounding with some of the Baku gasolines which are high in naphthenes was found quite feasible from the com. point of view.

A. A. BOBRITSKOI

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

CA

Chemical composition and technological properties of Perm crude oil. R. A. VIRABYANTS. *Neftyanoe Khozyaistvo* 18, 196-201(1930).—The proportions of aromatic, satd. and unsatd. hydrocarbons in various fractions are given. Cracking of fuel oil from this crude yielded 7% of gasoline (b. below 200°), 17-40% of fuel oil, depending on the amt. of asphalt desired, 35-47% of high grade asphalt and 5-8% of gas. In addn., 25% of highly aromatized straight-run gasoline was obtained. The high content of S requires a very thorough treatment. This crude is suitable for gasoline and asphalt production.

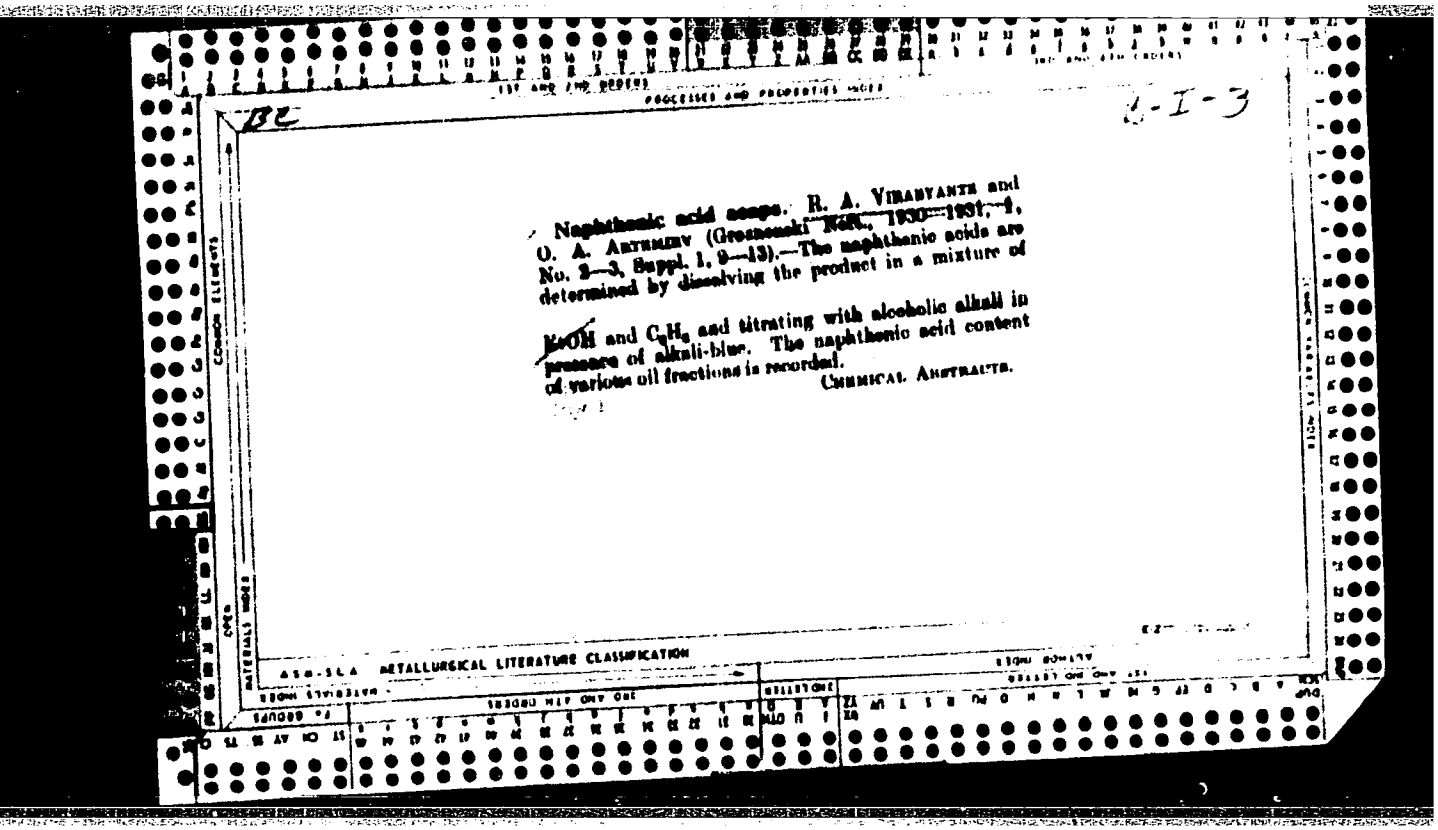
A. A. BOEHTLINGK

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

Research on naphthenic acid soaps. K. A. Virarvantz and O. A. Artem'ev (*Grozn*enskii Neftyanik 1, No. 2 3, Suppl. No 1, *Sci. Sect.* 9-31(1930 31).--The amt of naphthenic acid soap is calcd. by multiplying by 2 the amount of naphthenic acids The naphthenic acids were detd. as follows: 10 g. of the product was dissolved in an alc.-benzene mixt. (1:4) and then titrated with an alc. caustic soln. in the presence of alkali blue. The alc. benzene mixt. was first neutralized. A 0.1 or 0.01 *N* alkali soln. should be used, depending on the concn. of the acid in the distillate. The content of naphthenic acids in various fractions is: kerosene distillate from paraffin base oil, 0.0028 0.0010; gas oil distillate from paraffin base crude oil, 0.0040 0.0018%; kerosene distillate from semiparaffin base crude oil, 0.013 0.0016%; gas-oil distillate from semiparaffin-base crude oil, 0.013 0.018%; kerosene distillate from asphalt-base crude oil unsuitable for making lubricants, 0.050 0.095%; gas-oil distillate obtained from the above crude oil, in the Foster-Wheeler pipe still, 0.018 0.134%; kerosene distillate from asphalt-base crude oil suitable for mfg. lubricating oil, 0.158-0.180%; gas oil distillate from the above crude oil, 0.260 0.427%. The amt. of naphthenic acids was detd. by multiplying the amt. of SO_4 by the coeff. 5.4 for kerosene and by 6.7 for gas-oil distillates. Coeffs. for other fractions are now being calcd. Naphthenic acids, called "acid oil," are prepd. in refineries by the action of dil. H_2SO_4 on the alkali sludge. The absence of salts in this "acid oil" is considered of great advantage because there is no need for special containers and the product can be transported in tank cars. Another advantage of this method is the absence of H_2O, which constitutes 50% in naphthenic acid soaps. V. and A. experienced difficulty in prepg. "acid oil" conforming to specifications, which require less than 15% oil, an acid no. of 195 and a sp. gr. of 0.940 0.980.

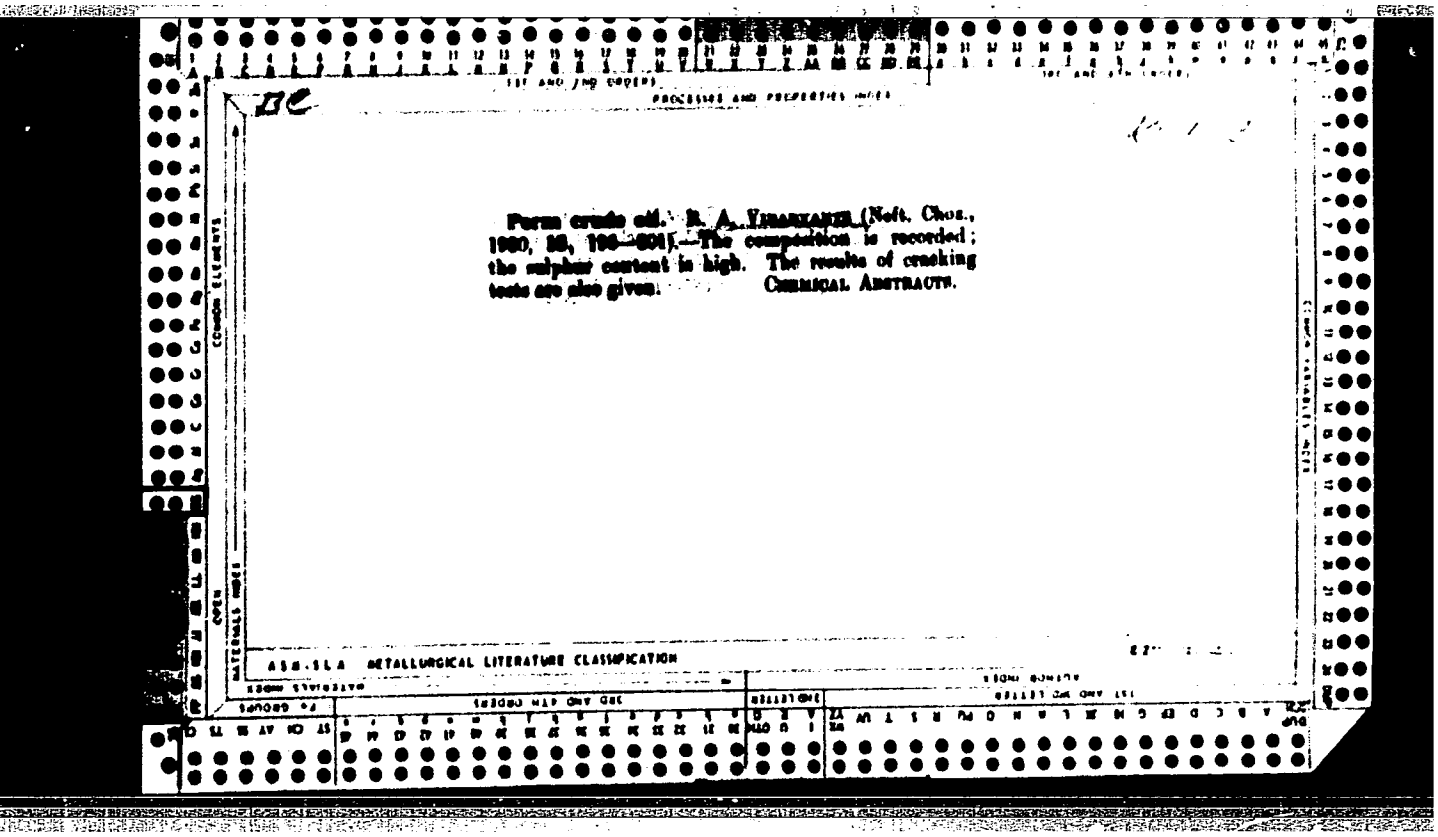
A. A. Boehtlingk

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



Naphthenic acid soaps. R. A. VIRAVANTE and O. A. ARTEMIEV (Grozneuski Neft., 1930—1931, 1, No. 2—3, Suppl. 1, 9—13).—The naphthenic acids are determined by dissolving the product in a mixture of KOH and C_6H_6 and titrating with alcoholic alkali in presence of alkali-blue. The naphthenic acid content of various oil fractions is recorded.

CHEMICAL ABSTRACTS.



Perm crude oil. R. A. Yibrahim. (Neft. Chos., 1960, 38, 198–201).—The composition is recorded; the sulphur content is high. The results of cracking tests are also given.

CHEMICAL ABSTRACTS.

VIRAG, A.

Development and state of the interurban bus transportation in the United States. Medun transp 10 no.11:38-39 N '64.

VIRAG, Eva

Society news. Faipar 12 no.12:384-3 of cover D '62.

VIRAG, Eva

Society news. Faipar 13 no.1:31-32 Ja '63.

VIRAG, Eva

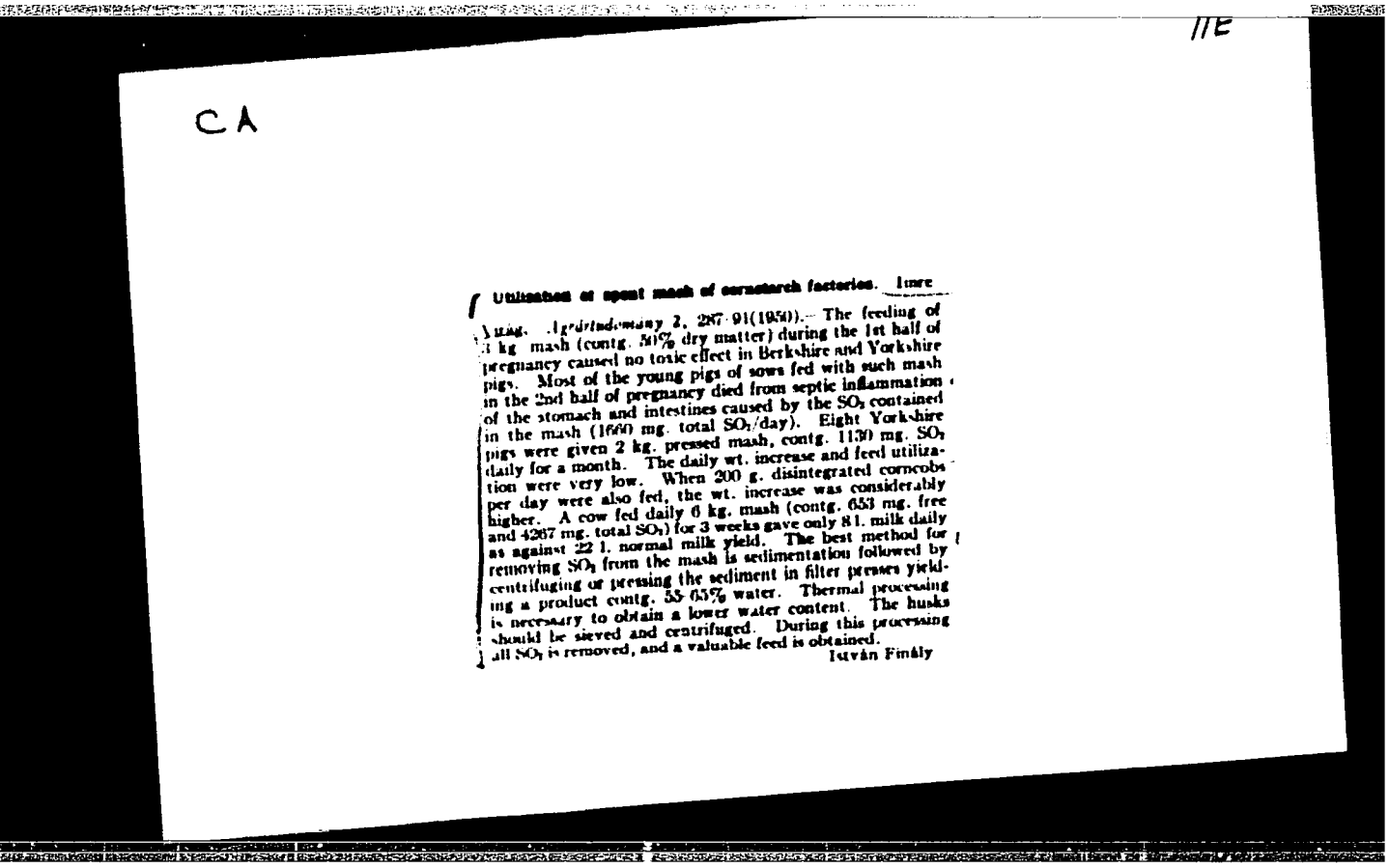
Association news. Faipar 13 no.4:132 Ap '63.

VIRAG, Eva

Society news. Faipar 12 no.10:319-320 O '62.

MAURER, I.Gy.; VIRAG, I.

Observations on the normal form of the elements of a group.
Studia Univ B-B S. Math-Phys 7 no.1:19-23 '62.



IIE

CA

Utilization of spent mash of cornstarch factories. Imre [illegible]

[illegible]. *Agrártudomány* 2, 287-91(1950).— The feeding of 3 kg. mash (contg. 50% dry matter) during the 1st half of pregnancy caused no toxic effect in Berkshire and Yorkshire pigs. Most of the young pigs of sows fed with such mash in the 2nd half of pregnancy died from septic inflammation of the stomach and intestines caused by the SO_2 contained in the mash (1660 mg. total SO_2/day). Eight Yorkshire pigs were given 2 kg. pressed mash, contg. 1130 mg. SO_2 daily for a month. The daily wt. increase and feed utilization were very low. When 200 g. disintegrated corncobs per day were also fed, the wt. increase was considerably higher. A cow fed daily 6 kg. mash (contg. 653 mg. free and 4267 mg. total SO_2) for 3 weeks gave only 8 l. milk daily as against 22 l. normal milk yield. The best method for removing SO_2 from the mash is sedimentation followed by centrifuging or pressing the sediment in filter presses yielding a product contg. 55-65% water. Thermal processing is necessary to obtain a lower water content. The husks should be sieved and centrifuged. During this processing all SO_2 is removed, and a valuable feed is obtained.

István Finály

MAURER, I.Gy.; PURDEA, I.; VIRAG, I. (Cluj)

A topology of univocal applications of a set in space. Bull math Rum 6 no.3/4:195-206 '62 [publ. '64].

1. Submitted April 12, 1963.

HUNGARY

TOTH, Gyorgy, Dr, VIRAG, Istvan, Dr; Medical University of Szeged, Pediatric Clinic (director: BODA, Domokos, Dr) (Szegedi Orvostudomanyi Egyetem, Gyermekklinika).

"The Technique of Exchange Transfusion. Description of a New Apparatus."

Budapest, Orvosi Hetilap, Vol 107, No 17, 24 Apr 66, pages 793-794.

Abstract: [Authors' Hungarian summary] A survey of various methods of exchange transfusion is followed by the description of the apparatus used by the authors. It has a few new features such as a special stopcock, the use of paired syringes and a new method of heparinization. It is suited for the simple and safe performance of the exchange transfusion in a closed system. 4 Hungarian, 22 Western references.

1/1

GULYAS, Bela; KAROLYI, Jozsef; FEHER, Jozsef; KEILWERT, Vilmos; VIRAG, Jozsef; GANGER, Gyorgy

Requirements of the food industry toward machine manufacture. Elelm ipar 17 no.2:36-46 F '63.

1. Elelmezesugyi Miniszterium (for Gulyas). 2. Orszagos Tervhivatal (for Karolyi). 3. Geptervezo es Muszaki Iroda (for Feher). 4. Lang Gepgyar (for Keilwert). 5. Geptervezo es Muszaki Iroda (for Virag). 6. Hutolanc Tarcakozi Bizottsag Titkarsaga (for Ganger).

VIRAG, L.; SZABO, D.

"Experiences From the Introduction of Extended Teeth in Rip-Band Saws", P. 74, (FAIPAR, Vol. 4, No. 3, Mar. 1954, Budapest, Hungary)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

URI, J.;CSOBAN, G.;VIRAGH, E.

The antibacterial effect of the flavonol-dyestuff, rhamnetin.
Acta physiol. hung. 2 no.2:223-228 1951. (CLML 21:2)

1. Of the Institute of Pharmacology of Debrecen University.

VIRAGH, K.; KISS, J.

"Phosphatic rock with uranium content in the Triassic of the Balaton uplands around Pecsely." p. 85.

FOLDTANI KOZLONY. BULLETIN OF THE HUNGARIAN GEOLOGICAL SOCIETY. (Magyar Foldtani Tarsulat). Budapest, Hungary, Vol. 89, No. 1, Jan./Mar. 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8, August 1959.
Uncla.

VIRAG, Lajos, aspirans, okleveles villamosmernok

Some methods for the increase of dependability. Meres automat 12 no. 1: 13-16 '64.

CA

11C

Antibacterial effect of the flavonol dye, rhamnetin. J. Uri, G. Csobán, and E. Virágh (Univ. Debrecen, Hung.). *Acta Physiol. Acad. Sci. Hung.* 2, 223-8(1951)(in English).—The antibacterial effect of flavonol dyes were examd. on various microorganisms by the serial-dilu. method. The effect was measured nephelometrically. Rhamnetin was strongly antibiotic against *Staphylococcus aureus*. Bacteriostasis appears at 50 (0) γ/ml. and bactericidal action at 100 γ/ml. *in vitro*. The antibacterial effect can be based on the pos. oxidation-reduction potential of rhamnetin.

H. I. Chinn

VIRAGH, Janos, oklevelos banyamernok

Winning methods applied in the Komlo coal basin. Bany lap 96 no.11:884 N '63.

1. Komloi Szenbanyaszati Troszt, Komlo.

VIRAGH, László

SURNAME, Given Names

Country: Hungary

Academic Degrees:

Affiliation: Hemp Spinning Mill of Szeged (Szegedi Kenderfonógyár); Manager: (Vállalatvezető) Mária NAGYGYÖRGY

Source: Budapest, Magyar Pszichológiai Szemle, Vol 18, No 3, 1961, pp 294-305.

Data: "Psychological Investigation of the Fatiguing Effects of Working Processes Among Hemp Factory Workers."

Authors:

✓GERÉB, György, Dr
VIRÁGH, László

GPO 981643