

GASKO, S.S.

Two cases of abnormalities. Stomatclogiia 37 no.2:61 Mr-Ap '58.
(MIRA 11:5)

1. Sanatoriy Tsentral'nogo Komiteta soyuzn rabotnikov svyazi SSSR.
(TEETH--ABNORMITIES AND DEFORMITIES)

GASKONSKIY, A.A.

Warm-water fishes in northern seas. Priroda 52 no.12:118
'63. (MIRA 17:3)

1. Arkhangel'skiy oblastnoy krayevedcheskiy muzey.

GAS'KOV, L.

Use of helicopters for the transshipment of cargoes on roadsteads.
Mor. flot 23 no.6:11-12 Je '63. (MIRA 16:9)

1. Nachal'nik laboratorii tekhnologii perevozok Tsentral'nogo
nauchno-issledovatel'skogo instituta morskogo flota.
(Helicopters) (Cargo handling)

GAS'KOV, L.M.

Selecting efficient methods of cargo transshipment in the roads.
Trudy TSNIIMF 7 no.37:86-103 '61. (MIRA 15:3)
(Harbors) (Cargo handling)

GAS'KOV, L.M.

Methods of determining the optimum traffic capacity of marine
roadstead points. Trudy TSNIIMF no.29:89-96 '60. (MIRA 15:11)
(Harbors)

GAS'KOV, L.M., kand. ekonom. nauk; KOZHENOV, Ye.G., kand. tekhn. nauk;
OZHROV, A.S.; FILATOV, Ye.V.

Characteristics of the transportation of whale and vegetable
oils in merchant marine tank vessels. Trudy TSFIMEF no.52:
64-77 '63 (MIRA 18:1)

GAS'KOV, L.M., kand. ekon. nauk; DENISOV, K.N., kand. tekhn. nauk

Basic principles for optimal operational regulation of
the movement of ships and the amount of work in ports by
the use of the dispatcher's electronic digital computer.
Trudy TSNIIMF no.65:51-61 '65. (MIRA 18:12)

GAS'KOV, L.M., kand. ekon. nauk; KISELEV, A.N.

Arrangement of information in solving problems of fleet
management by the use of electronic digital computers.
Trudy TSNIIMF no.65:62-66 '65. (MIRA 18:12)

PLOTKIN, R.M.; GAVRILOV, F.N.; GAS'KOV, V.A.

Construction of storehouses in areas beyond the Arctic Circle.
Geod. i kart. no.3:58 Mr '63. (MIRA 16:7)

(Russia, Northern—Farm buildings)

GAS'KOV, L.M., kand. ekon. nauk

Using methods of the queuing theory to determine the anchorage
length of seagoing vessels. Trudy TSNIIM' no.61:31-38 '64.
(MIRA 19:1)

L 25466-66

ACC NR: AP6011205

SOURCE CODE: UR/0413/66/000/006/0041/0042

INVENTOR: Gaskarov, D. V.; Glazunov, L. P.; Yerastov, V. D.; Mozgalevskiy, A. V. 3/

ORG: none B

TITLE: A device for checking the qualitative indices of a dynamic link. Class 21, No. 179817 [announced by Leningrad Electrical Engineering Institute im. V. I. Ul'yanov (Lenin) (Leningradskiy elektrotekhnicheskiy institut)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 6, 1966, 41-42

TOPIC TAGS: computer circuit, flip flop circuit

ABSTRACT: This Author's Certificate introduces: 1. A device for checking the qualitative indices of a dynamic link during a step reaction. The unit contains a number of identical flip-flops, shaping circuits, switches, delay circuits and counters. The rise time of the transient at the output of the link is compared with the required value by connecting two structurally identical parallel channels at the link output. Each of these channels contains a series-connected asymmetric flip-flop with a switch connected to a delay circuit based on a driven multivibrator and a clamping circuit. 2. A modification of this device in which simultaneous evaluation of maximum overcontrol, oscillation index, control time and control error is simplified by connecting four structurally identical channels to the link output with an asymmetric flip-flop

UDC: 621.3.078:
:681.178.1

Card 1/2

L 25466-66

ACC NR: AP6011205

and clamping circuit connected in series in each of the channels. Switches are included in the asymmetric flip-flop circuits in the channels for evaluating control time and control error. These switches are connected to a second delay circuit based on a driven multivibrator. A counter is connected in the channel for evaluating the oscillation index between the asymmetric and symmetric flip-flop of the clamper.

SUB CODE: 09/

SUBM DATE: 04Feb65/

ORIG REF: 000/

OTH REF: 000

Card 2/2 *dc*

ACC NR: AR6008997

SOURCE CODE: UR/0271/65/000/010/A085/A085

AUTHOR: Denisov, K. N.; Ga'kov, L. M.; Kiselev, A. N.; Roginskiy, B. Ya.

38
B

TITLE: Central-dispatcher model of automatized system for the control of ship traffic operation and block diagram of a dispatcher digital computer

SOURCE: Ref. zh. Avtomat. telemekh. i vychisl. tekhn., Abs. 10A650

14

REF SOURCE: Tr. Tsentr. n.-i. in-ta morks. flota, vyp. 59, 1964, 85-96

TOPIC TAGS: automatic control design, water traffic, harbor facility

ABSTRACT: The seagoing freight processes which must be controlled are complicated probability processes. A model of the control system is presented in the form of two interacting subsystems, one for planning and regulation of operations, and the other for control, accounting, and analysis. Planning solves the problem of establishing the freight volume and the distribution of freight flow either between different harbors, or within the confines of a single harbor, and other problems whose solution yields the optimum transportation plan, the optimum fleet operation, and optimum loading at the ports. As a result of various disturbing factors, the realization of the optimal plan calls for solving the problem of optimal control of fleet operation and of the loading at the ports; to solve this problem it is proposed to use statistical methods and a purposeful analysis of trial variants. The subsystem involving control, accounting, and analysis should be subordinated not only to control purposes, but also to problems of operative control. The authors describe the

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Card 1/2

UDC: 65.011.56: 658.5: 656.612

L 25521-66

ACC NR: AR6008997

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structural diagram of a dispatcher electronic computer designed for the solution of the foregoing problems, and constructed on the block principle out of standard elements. Questions of setting up research and practical realization of the system for marine transport control are considered. 1 illustration. Bibliography of 6 titles. B. A. [Translation of abstract]

SUB CODE: 13, 09

Card 2/2

PB

GAYVORONSKIY, A.G.; GASMAN, I.I.; GOROZHANKIN, V.I.; MERILOV, A.Ya.;
KARGOPOLOV, V.A., ~~inzhener~~ inzhener, redaktor.

[Manual on the DT-54 tractor] Rukovodstvo po traktoru DT-54.
Pod red. B.A.Kargopolova. Moskva, Gos. izd-vo sel'khoz. lit-
ry, 1953. 307 p. (MLRn 7:2)
(Tractors)

Jasmet, Ana

FUSCARU, E. 7
~~SURSAVA (in caps); Given Name~~

Country: Rumania

Academic Degree: Conf.

Affiliation: *)

Source: Bucharest, *Pharmazie*, No 6, 1961, pp 345-350.

Title: "Studies on the N-Methyl Series of Piperazine. II. Dynamic Acid Derivatives."

Co-authors:

ZOTTA, V., Dr.

SERPER, Ana, Pharmacist

POPESCU, Margareta, Pharmacist

HOGHINO, Juma, Pharmacist

JASMET, Ana, Pharmacist

SPATANU, Radica, Pharmacist

*) Work carried out at the Pharmaceutical Chemical Laboratory of the Faculty of Pharmacy (Laboratorul de Chimie Farmaceutica al Facultatii de Farmacie), Bucharest.

ASMET, HPH

- 1. "On the Subject of the High Performance" Prof. P. JORDO SERRA, Faculty of Math and Phys Department, pp 57-72.
- 2. "The Position of Centroids in the Engineering Science of the Inverse" from Revista de Engenharia, pp 77-79.
- 3. "Investigations in the Non-Linear Elasticity of the Materials of the High Performance" Prof. P. JORDO SERRA, Faculty of Math and Phys Department, pp 79-85.
- 4. "Investigations on the Anticorruptive Activity of Certain Reactions of the Nitrogen Oxide" Prof. A. GONCALVES, Faculty of Math and Phys Department, pp 85-91.
- 5. "Substituting Displacement from Gravity" Prof. A. GONCALVES, Faculty of Math and Phys Department, pp 91-94.
- 6. "On the Application and Anticorruptive Action of Some Certain Anticorruptive Reactions" Prof. A. GONCALVES, Faculty of Math and Phys Department, pp 94-101.
- 7. "Sodium Bicarbonate Reactions" from Revista de Engenharia, pp 101-105.

(32)

GASMET, Ana

HOCIUNG

Pharmacist

General Pharmacist, ...
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GASMET, Ana, Pharmacist, ...
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ROMANIA

ZOTHA, V., MD, Pharmacist; MERPDR, Ana, Pharmacist; POPESCU, Margareta,
Pharmacist; ROBU, Janka, Pharmacist; GASSET, Ana, Pharmacist.

Bucharest, Pharmacia, No 7, Jul 63, pp 403-409

"Research on the N-methylpiperazine series. V. Synthesis of Certain
Acyl Derivatives Acting upon the Central Nervous System."

RUMANIA

ZOTTA, V., MD, Pharmacist; GASMET, Ana, Pharmacist.

Bucharest, Farmacia, No 12, Dec 63, pp 731-738

"Investigations on the 1, 2, 4,-Triazol Series. I. Synthesis
of Some Triazol Mercaptoacetic Acid Hydrazides.

ZOTTA, V., farm. dr.; GASMET, Ana, farm.

Research on the series of 1,2,4- triazoles. Pt.1. Farm Rum 11 no.12:
731-738 D '63.

DIMITRIU, C.C., prof.; BULIGESCU, L., dr., candidat in stinte; SOLOMON,
Sela; MACARIE, Olga; GASMET, E.

The hepatic cytolysis syndrome. Med. intern. 14 no.1:1-17 Ja '62.

1. Lucrare efectuata in Clinica medicala a Spitalului "C. Davilla".
(LIVER DISEASES)

GASNET, V.

"Contributions to the study of the reproduction of the smoke tree(*Cotinus coggyria* Scop.) and the alnus (*Alnus glutinosa* L.)", p. 19, (REVISTA FABRILOR, Vol. 67, no.11, Nov. 1952, Bucuresti)

SO: Monthly List of East European Accession, Vol. 2, no. 8, Library of Congress, August 1953, Uncl.

GASNIKOV, P.Ye., mekhanik

Stand for removing automobile tires. Suggested by P. G. Gasnikov.
Rats.i izobr.predl.v stroi. no.16:84-87 '60. (MIRA 13:9)
(Automobiles--Tires)

1907, 1.

Research on the reciprocal cross-breeding of beavers and spruce. 1. Food of the hybrids in breeding ponds. n. 253.

(SOVIET ANCHURNI HIBROBLOGIIT. Vol. 3, 1958, Minsk, Belarus)

SC: North: List of East European Accessions (S.M.) 1. Vol. 3, no. 13, no. 1907.
Incl.

CASOWSKA, M.

"The morphology of hybrids and the ways of inheriting parental features by reciprocal hybrids...etc." In English

p. 277 (Polskie Archiwum Hydrobiologii, Vol. 4, 1958, Warsaw, Poland)

Monthly Index of East European Accessions (EEAI) LC, Vol. 8, No. 1, Jan. 59

GASOWSKA, Matylda

Coregonid classification discussed on the basis of *Coregonus*
pollan Thompson from Lough Neagh (Northern Ireland). *Annales*
zool 22 no.18:413-419 '64.

GASOWSKI, Henryk, mgr inż.

Trends in construction of electric installations in industrial buildings. Wiad elektrotechn 33 no.8:215-219 Ag '64

GASPAN, J.

Fastening rails in place with spring or elastic spikes and ties.

p. 1725 (Tehnika) Vol. 12, no. 10, 1957, Belgrade, Yugoslavia

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

RUMANIA

CAVULEA, O., Lieutenant-Colonel, Medical Veterinary Corps; GHEORGHE, N.; GASPAR, A.; PLESCA, I., Major, Medical Corps; BERGHEANU, S., Lieutenant-Colonel, Pharmacist; POPESCU, Gh., Lieutenant-Colonel, Medical Corps; and MILEA, T.

"Effect of Some Subcellular Thymus Tissue Fractions in Radiation Sickness in Mice"

Bucharest, Revista Sanitara Militara, Vol 16, Special No., 1965; pp 414-417

Abstract: Study on 390 mice, including 200 thymus donors: gland tissue was divided into mitochondria and nuclei; single administration of mitochondria was better than repetitive administration; administration of nuclei alone was best. 2 tables.

1/1

RUMANIA

577.1:575.1.

COMOROSAN, S., Dr, GASPAR, Al., Dr, and SOLOMON, Shelly, Bio-chemist. Work performed at the "Fundeni" Clinical Hospital
~~APPROVED FOR RELEASE: 08/23/2000~~ CIA-RDP86-00513R000514410009-7

"A Biochemical Quantum Model for Genetic Information."

Bucharest, Microbiologia, Parazitologia, Epidemiologia, Vol 11, No 3, May-Jun 66, pp 231-240.

Abstract [Authors' English summary modified]: The authors present a model for the biosynthesis of proteins in terms of quantum mechanics, using Rosen's studies on the applicability of the quantum theory of relations to the explanation of genetic phenomena. In the proposed model definite quantum states are attributed to the nucleic acid molecules, which are "observed" by enzyme systems that then translate them and apply the corresponding information to the respective states. The suggested mechanism results in a number of original hypotheses relating to the biosynthesis of t RNA and the control mechanism of protein biosynthesis and avoids several contradictions inherent in the classical protein synthesis explanations.

Includes one figure and a bibliography with 38 entries, of which 3 Rumanian, 5 German 26 English-language and 4 other Western.
1/1 -- Manuscript submitted 28 February 1966.

GOLLESZ, Viktor; GÁSPAR, Arpad

New phonetic mirror (trioptophon) as a means of teaching deaf persons to speak. *Ful orr gegegyogy* 6 no.3:133-136 S '60.

1. A Gyogypedagogiai Tanarkepzo Foiskola (Budapest) Elettani Tansezekenek (vezeto: Horvath Laszlo dr.) es a Suketnemak Budapesti Nevelo- es Tanintezetek Budapest (igazgato: Gyorffy Pal) kozlemenye

(DEAF)
(SPEECH)

GASPAR, Bela, muszakvezeto

Testing rotary pumps. Cukor 14 no.6:164-165 Je '61.

1. Selypi Cukorgyar.

GASPAR, Bela, muszakvezeto

Increasing the output of centrifugal pumps. Cukor 14 no.9:
259-362 S '61.

SPOLJAR, Milan; PREMUZIC, Branko; GORKIC, Daroslava; KONSTANTINOVIC, Miodrag;
GASPAR, Branko

Cutaneous reactions to superficial applications of beta rays emitted by
radium and radioactive strontium. Rad. med. fak. Zagreb 9 no.1:93-97
'61.

(SKIN radiation eff) (RADIUM)
(STRONTIUM radioactive)

GASPAR, Dumitru

Complete nonunitary semigroups. Studii cerc mat 16 no.6:753-755
'64.

NICOLAU, St. Gh., acad.; GASPAR, E.; NOAGHEA, G.

Antistreptolysin "O" in some dermatoses. *Rumanian M. Rev.* 3 no.3:
83-84 J1-S '59.

(ANTISTREPTOLYSIN, blood)
(DERMATOLOGY)

GASPAR, E., ing.; SERBAN, D., ing.

On the utilization of nuclear radiations in purifying used waters. Hidrotehnica 6 no. 7:253-256 J1 '61.

GASPAR, E., ing.; SANDRU, P., fiz.

Determining the hydrologic characteristics of subterranean waters by the radioactive tracer method. Hidrotehnica 6 no. 8:291-294 Ag '61.

GASPAR, E.; LICARET, C.; SERBAN, D.

Deactivation of water contaminated with radioactive isotopes.
Studii cerc fiz 12 no.1:29-38 '61. (EEAI 10:9)

1. Institutul de fizica atomica, Bucuresti.

(Water) (Radioisotopes)

BIRNBAUM, M.; GASPAR, E.; ONCESQU, M.; SANDRU, P.; TEITEL, T.

Determining fluid losses in the main conduits with the aid of
radioactive tracers. Studii cerc fiz 12 no.1:115-124 '61.
(EEAI 10:9)

1. Institutul de fizica atomica, Bucuresti.

(Fluid mechanics) (Aqueducts) (Radioactive tracers)

GASPAR, E., ing.; ONCESCU, M., fiz.

Method of radioactive tracers for the determination of piping under
a dam. Hidrotehnica 7 no.11:379-386 N '62.

Accession Nr L 45493-55 EWP(1) IJP(c) BB/GG

ACC NR: AP6033341

SOURCE CODE: HU/0012/66/000/002/0039/0046

AUTHOR: Gaspar, Geza--Gashpar, G. (Radio engineer)

ORG: Institute for Electrical Automation (Villamos Automatika Intezet)

38

TITLE: Some problems of increasing the signal capacity and signal density in rotating-magnet disk memories

16C

B

SOURCE: Meres es automatika, no. 2, 1966, 39-46

TOPIC TAGS: computer memory, magnetic recording

ABSTRACT: The following subjects were discussed: increasing the specific signal quantity in disk storage units per magnetic head; the recording process; the readout process; increasing the signal density; magnitude of the signal produced in the readout; and some problems involved in increasing the signal density in radial direction. It was concluded that by implementing the considerations presented it is possible to increase both signal capacity and signal density. Orig. art. has: 12 figures. [JPRS: 35,325]

SUB CODE: 09 / SUBM DATE: 16Feb65 / SOV REF: 001 / OTH REF: 004

Card 1/1 - eyle

UDC: 621.395.341.71

0090 1362

WEISZFEILER, Gyula, 1.tag.; Ny.GASPAR, Gyorgyi

Adjuvant effect of BCG bacillus on diphtheria antitoxin. Biol orv kozl
MTA 11 no.2/3:307-311 '60. (EEAI 10:5)

1. Magyar Tudomanyos Akademia Kiserleti Orvostudomanyi Kutato
Intezete Mikrobiologiai Osztalya.

(BCG)

(DIPHTHERIA ANTOTOXIN)

BAN, Miklos; GASPAR, Gyorgy; SZABO, Jozsef; TOROK, Miklos

Electron structure of aromatic compounds. Pt.1. Magy fiz folyoir
11 no.2:89-100 '63.

1. Altalanos es Fizikai-Kemiai Intezet, Egyetem, Szeged.

✓ Gáspár, Gyula. A new proof of the Laplace expansion formula. Magyar Tud. Akad. Mat. Fiz. Oszt. Köz. 76 (1956), 491-495. (Hungarian)

The author sketches a proof of the formula mentioned in the title. The proof makes use only of those properties which he used to characterize determinants [Publ. Math. Debrecen 3 (1954), 257-260, MR 17, 338]. The idea of the proof is shown on a special case. J. Aczél (Debrecen)

2

GASPAR, Gy.

Correlations between the antigenic structure and phage sensitivity of types of group *Shigella flexneri*. Acta microb. hung. 5 no.3:243-251 1958.

1. State Institute of Hygiene, Budapest.

(SHIGELLA

flexneri, relation between antigenic structure & phage sensitivity of various strains)

GASPAR, Gy. TOLMAI, G.

Studies on a *Cl. perfringens* phage. *Acta microb.hung.* 6 no.4:
275-281 '59.

1. State Institute of Hygiene, Budapest.
(*CLOSTRIDIUM PERFRINGENS*)
(*BACTERIOPHAGE*)

GASPAR, Georgina

Studies of a cl. perfringens phage. II. The latent period of its growth curve, Acta microb.hung. 7 no.3:269-276 '60.

1. State Institute of Hygiene, Budapest.
(CLOSTRIDIUM PERFRINGENS)
(BACTERIOPHAGE)

EXCERPTA MEDICA Sec 15 Vol 12/5 Chest Diseases May 59

1212. THE PROBLEM OF RECURRENCES IN TUBERCULOUS MENINGITIS -
Contribuții la problema recăderilor în meningita tuberculoasă - Gaspar I.,
Gaspar M. and Nastase R. Sanat. Tbc, Birnova-Reg., Iași - REV.
MED. -CHIR. IAȘI 1958, 62/3 (499-504)

Among 314 cases treated in the course of 5 yr., 31 recurrences (9.87%) were observed, men and women accounting for 64.5% and 35.5%, respectively. Most subjects affected (57.84%) were between the ages of 20 and 30 yr. Pregnancy was found to favour recurrence in 22.58% of the cases. The majority of the patients came from rural districts. Recurrences also predominated among the patients who had left hospital in the course of the first 6 months of treatment (incidence of recurrences: 68.38%). The incidence was 3.22% among those in whom treatment was carried out for from 6 to 12 months. The role played by meningeal blocking was small (9.68% of the cases); the role of intraspinal treatment has not been demonstrated. The treatment for cases with recurrences consisted in the association of antibiotics with isoniazid; the spinal route was employed in 30.76% (patients admitted in a subcomatose condition). In 1/5 of the cases, PAS was administered as well, either orally or in perfusions. The duration of treatment varied according to the severity of the case, amounting to 3 to 6 months in 43.62% of the cases, more than 6 months in 46.11%, and more than 12 months in 11.53%. Results obtained: much improved, 12.90%; improved, 64.20%; unchanged, 22.90%. The mortality was 19.35%.
Schachter - Marseilles (L, 7, 8, 15)

GASPAR, Julius

~~Gaspar, Julius. Eine neue Definition der Determinanten. 1 - F/W~~

~~Publ. Math. Debrecen 3 (1954), 257-260 (1955).~~

For matrices with elements in a commutative ring of characteristic zero and without zero divisors, it is shown that a non-constant function φ on square matrices to elements of the ring is the determinant if it satisfies: $\varphi(AB) = \varphi(A)\varphi(B)$, $\varphi(aA) = a^n\varphi(A)$ and $\varphi(A+B) = \sum \varphi(C)$, where the summation is over the 2^n matrices obtained by choosing for each row either the corresponding row of A or of B .
H. Givens (Knoxville, Tenn.)

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mm) JPH

GÁSPÁR, JULIUS

✓ Gáspár, Julius. Eine axiomatische Theorie der kubischen Determinanten. Publ. Math. Debrecen 4 (1956), 126-130.

The author defines a cubic determinant which extends in a natural way the definition for the usual two-dimensional determinant — this was previously done by L. H. Rice [J. Math. Phys. 9 (1930), 47-71]. He shows that if $\varphi(A)$ denotes the determinant of the three-dimensional matrix A , then (a) $\varphi(A+B)$ is a sum of determinants of all matrices each of whose "planes" is a corresponding plane of A or B ; (b) multiplying a matrix A by a two-dimensional matrix M multiplies $\varphi(A)$ by the determinant of M ; (c) if A is the identity matrix, then $\varphi(A)=1$.

B. W. Jones (Boulder, Colo.)

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~~GASPAR~~, J.

An analytic planimeter.

P. 194. (Veodeticky A Kartograficky. Vol. 3, no. 10, Oct. 1957 Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no.2
February 1958

CA *Journal*

2

Fertilizer value of two samples of hog manure, determined by a practical test. Lajos Kreybig and Laszlo Gaspar, *Agrokémia* 2, 129-132 (1950). Two samples of hog manure contg. moisture 47.00-51.67, and, in the dry substance, ash 42.0-62.7, org. substance 37.1-57.1, total N 2.27-4.29, and total P₂O₅ 0.200-0.2068%, were tested in Mutschelich soil treating pots in a series of expts. where blocks with sand, alfalfa flour, and cow manure were included. The average increase in content of org. substance from Aug. 5, 1949 to Nov. 22, 1949 was for the blank 21, alfalfa flour 29, cow manure 27.2, hog manure 29.8-27.0%, and hog manure with turf flour 26.5%. The total N content was 269, 311, 263, 276, 292, and 288 mg. /g, resp. at the end of expts., the C/N ratio was 8.6:1, 7.1:1, 8:1, 7.9-8.0:1, and 8.2:1 at the start, 6.1:1, 5.4:1, 6:1, 5.4-5.7:1, and 5.5:1, resp. at the end of expts., nitrate-N content increased by 0.0, 2.43, 1.11, 0.88, 1.00, and 0.47%, resp., the amt. of readily sol. P compounds was (in %) total P₂O₅ content of the sample 6.0, 5.8, 6.0, 6.1-6.0, and 6.0%, at the start and 6.0, 9.8, 10.0, 11.9, 12.5, and 11.2%, resp. A good quality stepped soil was used in all expts. (Lajos Kreybig)

Gáspár, László

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Cyri

The influence of various manures on soil. Il. Lajos Kreybig, László Gáspár, Márta Végh, Sándor Schonfeld, István Percel, and Gyula Latorczai (Ministry Local Inds., Budapest). *Agrokémia és Talajtan* 3, 67-74 (1954) (French summary).—Expts. begun in 1950 (cf. Kreybig, *Agrokémiai Kutató Intézet Évkönyve* (1950)) with brown prairie soil were continued under anaerobic conditions. This was achieved by vigorously stamping the soil in the culture vessels whenever watering, to exclude air. While air made the soils acid, anaerobic conditions caused mineralization of the org. substances and led to a pH shift toward alkali. The org. content of the soils decreased by about 1/3. This was considerably accelerated by the addn. of synthetic fertilizers. Both active and total humus content decreased, and some of the active humus became inactivated. The N content decreased in general, probably by denitrification. The lower, more anaerobic soil layers had a N loss approx. 3 times as high as the higher, better-aired layers. The same was true of the org.-content distribution, leading to an over-all lowering of the C/N ratio. Treatment, start analysis, end analysis, and other data on the 20 soil samples are tabulated.

Peter D. Moskowitz

GASPAR, L.

Recent verification of soil testing at work sites; also, remarks by E. Matus. p.21.
MELYEPITESTUDOMANYI SZEMLE. (Kozlekedesi Kiado) Budapest. Vol 6, no. 1, Jan 1956.

SOURCE: EEAL, Vol 5, no. 7, July 1956.

GASPAR, LASZLO

Phosphorus uptake of wheat seedlings. *Laszlo Gaspar*
 (Magyar Tudományos Akadémia Mezőgazdasági Kutató Intézetét Marótványán, Hung.). *Agrokémia és Talajtan* 5
 215-20 (1956) (English summary). Expts. were carried
 out with a nutrient soln. contg. P^{32} in sand and soil cul-
 ture. During the germination P^{32} was taken up from both
 nutrient soln. and culture. P^{32} restrained germination, but

It had no effect upon the percentage of the plant dry sub-
 stance. *Dennis Farkas*

GASPAR, LASZLO

HUNGARY/Plant Physiology - General

I.

Abs Jour : Ref Zhur - Biol., No 21, 1958, 95597

Author : Gaspar, Laszlo

Inst : -

Title : Influence of (Ionizing) Rays on Plants.

Orig Pub : Agrokoz. es talaj., 1957, 6, No 3, 251-258

Abstract : Review. Bibliography with 26 titles.

Card 1/1

HUNGARY/Soil Science - Fertilization. Mineral Fertilizers. J

Abs Jour : Ref Zhur Biol., No 1, 1959, 1375

Author : Gaspar, Laszlo; Vegh, Marta; Szalai, Dezsone; Gaspar
Laszlo

Inst : Hungarian Academy of Sciences

Title : Experiments on the Preparation and an Investigation
of the Effects of a Slow Acting Nitrogen Fertilizer,
"Ureaform"

Orig Pub : Magyar tud. akad. agrartud. oszt. kozl., 1957, 13,
No 1-2, 113-128

Abstract : Ureaform was prepared by the following method; 3 gram-
molecules of crystalline carbamide was dissolved in 1
liter of water, the reaction of which was preliminarily
brought up to a pH of 3.6 at a temperature of 25 degrees
with citric acid and sodium diphosphate. The solution

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Abs Jour : Ref Zhur Biol., No 1, 1959, 1375

was mixed with 37% formaldehyde so that there was 1
molecule of formaldehyde to 1.625 gram-molecules of
carbamide. The solution was adjusted to a pH of 3.6
with a buffer solution. After twenty-four hours the
white precipitate was filtered, washed with water,
and dessicated. Field experiments were conducted on
liam soils of a humus-carbonate type. The test plant
was corn for green fodder. It was found that the de-
composition of ureaform was negligible, the action of
nitrogen low, and the harvest was not increased. The
quality of the green fodder was raised. An increased
harvest was observed on test fields where ureaform was
applied in combination with ammonium fertilizer. --
A.A. Vizauyer

Card 2/2

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J

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Kaposvár (for Zsila). 3. Highway Main Directorate of the
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Tesi).

GASPAR, Laszlo, dr., okleveles mernok, a muszaki tudományok kandidátusa;
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BARZDO, V.J., dipl. ing., docens (Moscow); JAKOVLEV, Ju.N.,
[Yakovlev Yu.N.] dipl. ing. (Moscow)

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