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is also symmetric with respect to the indices  $i$  and  $j$  respectively. The Kawaguchi space is called of metric

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Bela Kerekjarto's A geometria alapjai (Foundations of Geometry);  
a book review, p. 249, Magyar Tudományos Akademia, Matematikai es  
Fizikai Osszaltal, KOZLEMENYEI, Budapest, Vol. 6, No. 2, 1956

SOURCE: East European Accessions List (EEAL) Library of Congress,  
Vol. 5, No. 11, November 1956

VARGA, O.

Technology of assembling in the telecommunication industry. p. 152.  
(Magyar Híradastechnika, Vol. 7, no. 5, October 1956. Budapest, Hungary)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 9, Sept. 1957. Uncl.

VARGA, O. (Budapest)

Contribution to the decomposability of Finsler spaces. Acta mat  
Hung 11 no.1/2:197-203 '60. (EEM 9:12)

1. Korrespondierendes Mitglied der Akademie, Budapest.  
(Spaces, Generalized)

CSASZAR, Akos; FUCHS, Laszlo; HAJOS, Gyorgy; RENYI, Alfred; TURAN, Pal;  
VARGA, Otto

Report on awarding the 1963 Geza Grunwald Memorial Prizes in  
mathematics. Mat lapok 15 no.1/3:247-251 '64.

1. Managing Editor, "Mathematikai Lapok" (for Turan). 2. Editor,  
"Mathematikai Lapok" (for Hajos and Renyi).

COUNTRY: Rumania  
CULTIVATED PLANTS: Fodder Grasses and ROOTS  
ANG. JOUR: REF ZHUR - BIOLOGIYA, NO. 4, 1959, No. 15694  
AUTHOR: Varga, P.  
TITLE: Findings of Comparative Tests of Alfalfa in 1951-1956 at the Ioara Domneasca Experimental Station  
ORIG. PUB.: Probl. agric., 1957, 9, No.10, 25-31  
ABSTRACT: In testing alfalfa of varied origin, the Agricultural Research Institute of Rumania studied the plant height, growth after mowings, resistance to frosts, drought and fungus diseases, content of dry protein, cellular tissue, fats, non-nitrogenous extractive substances and ash. During three years of use the Hungarian sort Seregi produced a total green mass crop of 23.2 tons/hectare, by 13.3% higher than the local Ioara Domneasca. It is

CARD: 1/2



RUMANIA

YARGA, P., Eng, Candidate in Agricultural Sciences (Candidat in Stiinte Agricole) of the Research Institute on Grains and Technical Plants (Institutul de Cercetari pentru Cereale si Plante Tehnice), Fundulea.

"The Seeding Lots, an Important Means for Securing the Seeds of Perennial Fodder Plants."

Bucharest, Revista de Zootehnie si Medicina Veterinara, Vol 13, No 9, Sep 63, pp 20-24.

Abstract: Discusses various techniques to be used in the production of perennial fodder plant seeds. The article emphasizes such specific criteria as the distance between rows, hoeing, re-seeding, selection of the terrain, preparation of the soil, quality of the seeds, etc., as well as the importance of modern farming procedures like irrigation and the combatting of pests.

[RUMANIA

VARGA, P., Eng, Candidate in Agricultural Sciences (Candidate in Stiinte Agricole), KELLNER, E., Eng and NICULESCU, M., Eng of the Research Institute for Cereals and Industrial Plants (Institutul de Cercetari pentru Cereale si Plante Tehnice).

"The Possibility of Increasing Fodder Production."

Bucharest, Revista de Zootehnie si Medecina Veterinara, Vol 13, No 2, Feb 1963, pp 34-40.

Abstract: Describes the principal problems relating to the increasing of fodder production, such as the cultivation of fodder plants with high productivity, the extension of irrigated fodder cultivation, and the use of double cultivation through a differentiated application of agrotechnical measures.

Includes 1 table.

L1/1

KRAUTH, Pal, fomernok; VARGA, Pal, fomernok

The leather and shoe industry in the third five-year-plan.  
Musz elet 20 no.1:6 14 Ja '65.

1. Department of Industry Development of the Ministry of  
Light Industry, Budapest.

VARGA, P, RETI, J., VAGO, GY.

Autoxidation of vegetable oils in the leather industry. In German, p. 368.

ACTA CHIMICA. Budapest, Hungary, Vol. 20, No. 4, 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 9, No. 2, Feb. 1960  
Uncl.

VARGA, F.

Making a universal measuring instrument. p. 183. RADIOTECHNIKA. Budapest.  
Vol. 5, No. 7/8, July/Aug. 1955

SOURCE: East European Accessions List (EEAL) Vol. 5, No. 6 June 1956

VARGA, P.

Vertical antenna for the amateur band 14-21-28 MHz. p.172.

RADIOTECHNIKA. Budapest, Hungary. Vol. 9, no. 6, June 1959.

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

VARGA, Pal

← Feedback radio-frequency preamplifier. Radiotechnika 10 no.3:76-77  
Mr '60.

VARGA, Pal, "I:o.Rovidhullamu Radiomator"

Amateur wavemeters. Radiotechnika 10 no.6:179 Je '60



VARGA, Pal, "I.o.rovidhullami radioamatőr"

Control instrument for measuring modulation. Radiotechnika  
10 no.8:233-234 Ag '60.

VARGA, Pal, "I.oszt.Rovidhullamu Amator"

Television interference filtration. Radiotechnika 10 no.9:266-  
267 S '60.

VARGA, Pal

A small-sized multiband antenna. Radiotechnika 11 no. 1:12 Ja '61.

VARGA, Pal (HA 5 DG)

DSB transmitters. Radiotechnika 11 no.2:42-44 F '61.

VARGA, Pal (HA 5 DG) I.c.rovidhullamu amator

A simple solution to the SSB adapter. Radiotechnika 11 no.8:233-234 Ag '61.

VARGA, Pal (HA 5 DG)I.o.rovidhullamı amator

High-stability frequency-changing oscillators. Radiotechnika  
11 no.9:262 S '61.

VARGA, Pal

Clamp modulator. Radiotechnika 12 no.3:72-23 Mr '62.

VARGA, Pal, I. osztalyu rovidhullamu amator (HA 5 DG)

Transistor calibrating quartz oscillator; amateur measurements.  
Radiotechnika 12 no.4:111-112 Ap '62.



VARGA, Pal, HA 5 DG

Audio-frequency oscillator; amateur measurements. Radiotechnika  
12 no.6:173-175 Je '62.

VARGA, Pal, HA 5 DG

Simple-built multiband transmitting antennas. Radiotechnika 12 no.8:  
248-249 '62.

VARGA, Pal

Radio-frequency bridge as impedance transformer. Radiotechnika  
12 no.9:286-287 S '62.

VARGA, Pal. (HA 5 DG)

Monitor to amateur transmitter. Radiotechnika 12 no.12:405 D '62.

VARGA, Pal (HA 5 DG)

Quartz calibrator. Radiotechnika 11 no.5:141 My '61

VARGA, Pal

Problems of the development of welded manufacturing technology.  
Bor cipo 10 no.3:83-85 My '60.

1. Bor- es Cipoipari Igazgatosag.

VARGA, Pal

Experiments for the development of shoe cementation technique.  
Bor cipo 12 no.2:45-46 Mr '62.

1. Bor- es Cipoipari Igzgatóság

5

HUNG.

12713\* The Counting of Photons by Electron Multiplier.  
Fotonok számolása elektronokszorozóval. (Hungarian.) Ad-  
rás Adám and Péter Varga. Magyar Fizikai Folyóirat, v. 3, no.  
3, 1955, p. 249-256.

Investigations with an RCA931-A photomultiplier to establish  
the technical basis for micro-optical measurements. Circuit dia-  
grams. 11 ref.

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HUNGARY/Electronics - Photocells and Semiconductors Device.

H

Abs J ur : Ref Zhur Fizika, No 10, 1959, 23140

Author : Naray, Zsolt; Varga, Peter

Inst : -

Title : Effect of Screen Potential on the Dark Current of Photo-electronic Multipliers.

Orig Pub : Magyar fiz. folyoirat, 1958, 6, No 5, 437-450

Abstract : It is shown that the level of intrinsic noise of photo-electronic multipliers RCA 931 A and 1P21 can be reduced considerably by a suitable choice of voltage on the grid that screens the opening window of the multipliers of these types. An explanation is proposed for the mechanism of the influence of the potential of this electrode on the noise of photomultipliers of these type. Bibliography, 8 titles. -- S.S. Chik

Card 1/1

VARGA, P.

SCIENCE

Periodicals MAGYAR FIZIKAI FOLYOIRAT. Vol. 6, no. 5, 1958

VARGA, P. The influence of bulb effect on the dark current of light-sensitive electron multipliers. p. 437.

Monthly List of East European Accessions (EPAI) LC. Vol. 8, No. 5,  
May 1959, Unclass.

VARGA, P.

530.123.17

5

5/60 On some problems in connection with the Compton effect. B. Fogarassy, L. Keszthelyi, P. Varga.  
 A Magyar Tudományos Akadémia Központi Fizikai Kutató Intézetének Közleményei (Proceedings of the Central Research Institute for Physics of the Hungarian Academy of Sciences).  
 Vol. 6, 1958, No. 6, pp. 462-474, 6 figs.

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cas

The literature of the Compton effect has been studied for the purpose of finding out how far the law of the conservation of energy is proved in the case of primary processes, in other words the extent to which the Compton effect supports the theory on the nature of the particles of light and the extent to which it permits the possibility of wave conception. It has been found that the experimental results are in agreement with the particle theory but no definite proof is given.

VARGA, I.; FEJES, GY.

"On the determination of the emission capacity of radiating holes." p. 37.

MAGYAR FIZIKAI FOLYOIRAT. (Magyar Tudományos Akademia). Budapest, Hungary,  
Vol. 7, No. 1, 1959.

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

V4REN, 12/11

284/60,

651.533.17

4

Reduction of the dark current of photomultipliers having large transparent cathodes. Gy. FARKAS, J. VARGA. A Magyar Tudományos Akadémia Központi Fizikai Kutató Intézetének Közleményei (Proceedings of the Central Research Institute for Physics of the Hungarian Academy of Sciences), Vol. 7, 1958, No. 4, pp. 243-253, 9 figs.

8/11  
CAF

High-amplification photomultipliers usually have transparent photocathodes of large area and their microoptical application (e. g. measurement of very small light currents) is hindered by the high noise level. The dark current can be reduced by a suitable preparation of the photomultiplier (excluding the disturbing external electrostatic fields, covering the glass bulb with a conductor layer). A further decrease of the dark current is achieved by reducing the effective diameter of the photocathode with a magnetic lens. In this case only the illuminated part of the photocathode is sensitive and the electrons emitted by this small area can reach the multiplying system, but the dark current electrons emitted by the dull area return to the cathode. By these methods the number of dark current pulses was reduced to  $2 \cdot 10^3$  pulse per sec. without any significant decrease in sensitivity.

NARAY, Zsolt; VARGA, Peter

Production of light pulses of nsec rise time and duration with gas discharge tubes. Koz fiz kozl MTA 8 no.2/3:161-165 '60.

(EEAI 10:4)

1. A Magyar Tudemanyos Akademia Kozponti Fizikai Kutato Intezete,  
Fizikai Optikai Laboratorium.

(Light)



8/058/52/000/011/022/061  
A160/A101

AUTHORS: Jánóssy, Lajos, Náray, Zsolt, Varga, Péter

TITLE: An experimental investigation of the correlation of coherent light beams

PERIODICAL: Referativnyy zhurnal, Fizika, no. 11, 1962, 2, abstract 11G11 ("Magyar tud. akad. Közp. fiz. kutató int. közl.", no. 4, 1961, 9, 197 - 205, III, IX, Hungarian; summaries in Russian and English)

TEXT: With the help of a semitransparent plate the light beam was split into two coherent beams. The correlation arising due to an interference of various wave trains of both beams was measured with the help of an electronic device operating by the method of coincidences. It was found out that the correlation depends on the properties of the light source, the parameters of the optical system, and on the resolution power of the device determining the coincidence. It was determined that there is a considerable discrepancy between the measured and computed correlation values.

[Abstracter's note: Complete translation]

Card 1/1

BAKOS, Jozsef; KANTOR, Karoly; VARGA, Peter

Interference in the Michelson's interferometer in case of  
extended light sources. Koz fiz kozl MTA 9 no.4:207-226 '61.

HUNGARY

ASSSEI, F., Dr; VARCA, Peter Dr; Semmelweis Hospital of the Council of Pest Megye, II. Clinic of Internal Medicine (Pestmegyei Tanacs Semmelweis Korhaz, II. Belosztaly).

"Thiazide Derivatives and Carbohydrate Metabolism."

Budapest. Orvosi Hetilap, Vol 103, No 52, 30 Dec 62, pp 2460-2462.

Abstract: [Authors' Hungarian summary] among the side-effects of thiazide derivatives, the destructive effect on carbohydrate metabolism and the manifestation of latent diabetes were observed. During two years, 10 such patients were studied and the observations are tabulated in this paper. In some patients, latent diabetes became manifest, in others lasting impairment of tolerance occurred in old-age diabetics. Periodic urinary and blood glucose tests are therefore recommended in cases of thiazide treatment, especially when diabetes occurs in the family history. Of 20 references, 3 are Hungarian, the rest Western.

1/1

FARKAS, Gyozo; JANOSSY, Lajos; NARAY, Zsolt; VARGA, Peter

Experimental tests for determining the correlation of coherent light beams. Koz fiz kozl MTA 11 no.2:89-97 '63.

1. "A Magyar Tudományos Akademia Kozponti Fizikai Kutato Intezetenek Kozlemenyei" felelos koadoja (for Janossy).
2. "A Magyar Tudományos Akademia Kozponti Fizikai Kutato Intezetenek Kozlemenyei" szerkeszto bizottsagi tagja (for Naray).

HUNGARY

VARGA, Peter, Dr; National Institute of Traumatology (director: SZANTO,  
Gyorgy, Dr) (Orszagos Traumatologiai Intezet)

"Experiences with Intravenous Lipid Emulsions"

Budapest, Orvosi Hetilap, Vol 107, No 13, 27 Mar 66, pages 599-603

Abstract: [Authors' Hungarian summary] The currently available preparations of intravenous lipid emulsions were subjected to a clinical study. A total of 354 bottles of emulsion were given to 51 patients, an average of 440 g of lipid. The diagnosis and distribution according to age and sex are presented in tables. The side effects, observed in 5 per cent of the infusions, are also discussed. The changes in the laboratory test values determined during parenteral feeding are mentioned. There were no pathological shifts in the values. It is stated that lipid emulsions were, in general, well tolerated subjectively by the patients. Their use permits an adequate supply of calories to patients in need of parenteral feeding. 4 Hungarian, 8 Western references.

1/1

- 30 -

VARGA, R.; VUKMIROVITS, G.

Relaxil G. Orv. hetil. 102 no.14:652 2 Ap '61.

(MUSCLE RELAXANTS pharmacol)

VARGA, R.L., kand.tekhn.nauk; KRAL'KIN, A.S., inzh.

Lumber transportation and an ultrashort wave communication system.  
Mekh.trud.rab. 11 no.9:38-39 S '57. (MIRA 10:11)  
(Radio, Shortwave) (Lumber--Transportation)

Vinogradov, A.

ZHIDOVICH, A.I., kandidat tekhnicheskikh nauk; VARGA, R.Sh., kandidat tekhnicheskikh nauk; FUKS, I.I.; IVANOV, V.D., glavnyy konstruktor; TRUSHIN, Ye.M., inzhener-tekhnolog.

Instrument for testing the balance of flyer guides. Tekst.prom.  
14 no.6:32-34 Je '54. (MLRA 7:7)

1. Glavnyy inzhener zavoda im. 1 Maya (for Fuks)  
(Spinning machinery)



112-57-7-14883

Translation from: Referativnyy zhurnal, Elektrotehnika, 1957, Nr 7, p 155 (USSR)

AUTHOR: Zhidovich, A. I., Varga, R. Sh., Fuks, I. I., Ivanov, V. D., and Trushin, Ye. M.

TITLE: Device for Checking the Dynamic Balancing of PBR-1 Rove Flyers, TsNII Mashdetal' System (Pribor dlya proverki dinamicheskoy balansirovki rovnichnykh rogulek PBR-1 sistemy TsNII Mashdetali)

PERIODICAL: Nauch. -issled. tr. Tsent. n. -i. in-t vspomogat. izdeliy i zapas detaley k tekstil'n. oborud., 1956, Nr 4, pp 32-44

ABSTRACT: Bibliographic entry.

Card 1/1

ZHIDOVICH, A.I.; VARGA, R.Sh.

New electronic moisture tester. Tekst. prom. 19 no.5:56 by  
'59. (MIRA 12:10)  
(Electronic instruments)

ZHIDOVICH, A.I., kand.tekhn.nauk; VARGA, R.Sh., kand.tekhn.nauk; KONKIN, O.N.,  
inzh.; KURZIN, B.A., inzh.

Automatic regulator for controlling the drying of the wood of hardwood  
species. Der. prom. 12 no.11:6-7 N '63. (MIRA 17:1)

VARGA, S.

Botanical garden of the Slovak University. p. 209.  
KRASY SLOVENSKA. Bratislava.  
Vol. 30, no. 9, 1953.

SOURCE: Monthly List of East European Accessions (EEAL), LC, Vol. 5,  
No. 3, March 1956

**VARGA, S.**

Giant cylindroma of the parotid gland with projection toward the pharynx. Bratisl. lek. listy 34 no.3:294-297 Mr '54.

l. Z Odd. pre celustnu chirurgiu KUMZ v Presove, prednosta prim.  
dr. S. Varga.

(PAROTID GLAND, neoplasms,

\*cylindrome, projecting toward pharynx)

VARGA, S.

"Wood industry as seen by a machinest." p. 112

FAIPAR. (Faipari Tudomanyos Egyesulet). Budapest, Hungary.  
Vol. 9, No. 4, Apr. 1959

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

SIMON, S.; VARGA, S.

Effect of dextrans of different molecular weight on the blood pressure and survival of cats in hypovolaemic shock. Acta physiol. hung. 15 no.2:179-188 1959.

1. Pharmacoindustrial Control Laboratory, Budapest.

(DEXTRAN, eff.

on blood pressure & survival after hypovolemic shock in cats, comparison of dextrans of different molecular weight)

(BLOOD PRESSURE, eff. of drugs on dextrans of different molecular weight in cats)

(SHOCK, exper.

exper. of dextrans of different molecular weight on survival after hypovolemic shock in cats)

VARGA

The determination of the degree of branching in polyethylene by infrared spectra. Stefan Varga (Slovenska vysoká škola techn., Bratislava, Czech.). *Chem. zvesti* 13, 272-80 (1959) (German summary).—A method for pressing in the prepn. of polyethylene films for infrared spectrography is described. The absorption bands for Me and methylene groups suitable for the evaluation of the degree of branching were detd. The degree of branching was calcd. from the extinctions of absorption bands. Jan Micka

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J.D.



SLOV/003/60/000/001/002/002  
D214/D304

AUTHORS: Lisý, M., and Varga, Š.

TITLE: A potentiometric method for studying the splitting-off of gasified HCl during the thermal destruction of polyvinyl chloride

PERIODICAL: Chemické zvesti, no. 1, 1960, 14 - 20

TEXT: Polyvinyl chloride (PVC) ages during the splitting-off of gasified HCl and hydrocarbons by the effect of heat, light and ionizable alkalinity. The velocity of HCl splitting-off permits indirectly the process of PVC destruction to be traced. The authors elaborated the potentiometric method, during which the concentration of HCl absorbed in water is determined by measuring the potential of the chloro-silver electrode. The advantage of this method is in a larger selectivity which is especially advantageous for tracing reaction kinetics. After describing how they traced the kinetic splitting-off of HCl from the powdered PVC in the flow of

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A potentiometric method ...

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oxygen, air and argon by the potentiometric method, the authors give the results in Figs. 3, 4 and 5 with the graphs of functions  $m = f(\tau, t = \text{const})$ , where  $m$  is the quantity of the split-off HCl for the given temperature  $t$  and is expressed in millimoles per gram PVC and  $\tau$  is the time. The kinetic curves of the splitting-off HCl in the flow of oxygen (Fig. 3) has an S shape. The curvature of the curves in the starting times is caused by the thermal inertia of the heating-regulating system. The lower the temperature, the less is the curvature at the start. The linear part of the curves corresponds to the constant velocity of the splitting-off of HCl. The decrease in the velocity of the splitting-off after the longer time intervals is due to the decreasing number of non-decomposed macromolecules of PVC. The run of the kinetic curves of HCl splitting-off in the flow of air and argon (Figs. 4 and 5) is completely analogous in quality. The value of the mean active energy of the splitting-off of HCl was calculated per Arrheniov's equation

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A potentiometric method ...

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$$\lg \frac{dm/d\tau}{(\text{mmol HCl}) \cdot \text{min}^{-1} / (1\text{g PVC})} = A - \frac{E}{2.303 \cdot R \cdot T}, \quad (b)$$

where  $dm/d\tau$  = relative velocity of splitting-off of HCl,  $E$  = mean active energy,  $R$  = gas constant and  $T$  = temperature expressed in  $^{\circ}\text{K}$ . The values of the relative velocities of the splitting-off of HCl were determined on the basis of directions of linear parts of the function  $m = f(\tau, t = \text{const})$ . The graph of the function  $\log (dm/d\tau) = F(T^{-1})$  is also shown for argon. The linear run of this function proves that the accuracy of the measurement is satisfactory. The value of the mean active energy of the splitting-off of HCl in the argon flow, determined by Eq. (b) is 30.4 kcal/(mole HCl). This result is in sound agreement with the results obtained during the destruction of PVC in vacuum with mass-spectroscopic methods. The authors assume on the basis of kinetic measurements that the splitting-off of HCl starts at the end of the macromolecules. The sudden increase of the velocity of HCl splitting-off in oxygen

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is not only due to the thermal inertia of the regulation system. The breaking of the chains of non-decomposed macromolecules and the increase in the number of the end groups occurs in this phase of the process probably due to the influence of oxygen and temperature. It is possible that during these time intervals, the HCl splitting-off starts under the influence of oxygen not only at the ends but also in the middle of the macromolecules. The basic difference between the values of the relative velocity proves that the medium, in which the destruction of PVC occurred, basically affects the process of HCl splitting-off. Further it is clear that HCl in the oxygen medium is splitting-off from the PVC macromolecules which in their properties differ from the macromolecules, from which the HCl is splitting-off in the argon atmosphere. There are 6 figures and 5 non-Soviet references. The references to the English-language publication read as follows: E.J. Arlman, J. Polymer Sci. 12, 547, 1954; B. Baum, L.H. Wartman, J. Polymer Sci. 28, 537, 1958; R.R. Stronberg, S. Straus, B.G. Achhamer, J. Polymer Sci. 35, 355, 1959; N. Grassie

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A potentiometric method...

SIGV/003/60/000/001/002/002  
D214/D304

Chem.Ind.(London) 161, Febr.6,(1954).

ASSOCIATION: Katedra fyzikálnej chémie Slovenskej vysokej školy  
technickej v Bratislavě (Department of Physical Chemi-  
stry, Slovak Technical University in Bratislava)

SUBMITTED: June 26, 1959

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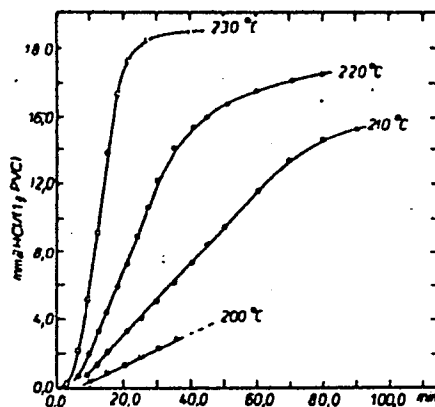
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D214/D304

A potentiometric method...

Fig. 3. Relation of relative quantity of split-off HCl expressed in millimoles per one gram of PVC during various temperatures in the oxygen flow and the time.

Fig. 3.



Obr. 3. Závislosť relatívneho množstva odštiepeného HCl vyjadreného v milimóloch na jeden gram PVC pri rôznych teplotách v prietoku kyslíka od času.

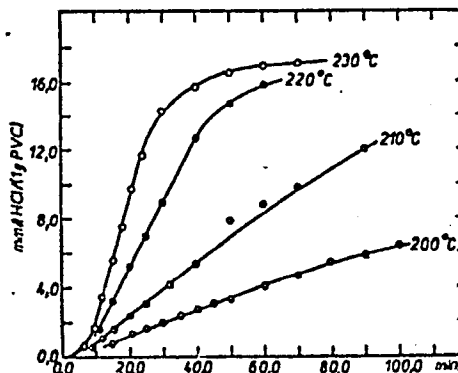
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A potentiometric method ...

Fig. 4. Relation of relative quantity of split-off HCl expressed in millimoles per one gram of PVC during various temperatures in the air flow and the time.

SLOV/003/60/000/001/002/002  
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Fig. 4.



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Fig. 5. Relation of relative quantity of split-off HCl expressed in millimoles per one gram of PVC during various temperatures in the argon flow and the time.

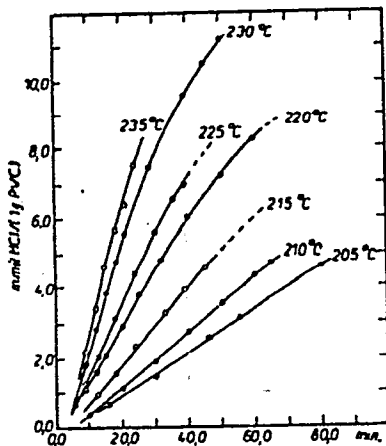


Fig. 5.

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VARGA, SAFAR,

A foundry congress held in Moscow.

P. 243. (ONTODE.) (Budapest, Hungary) Vol. 7, No. 11/12, Nov./Dec. 1957

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

HUNGARY

VARGA, Sandor

PhD

University of Agriculture, Department of Geodesy,  
Godollo (Agrartudományi Egyetem Foldmerestani  
Tanszeke, Godollo)

Budapest, Hidrologiai Kozlony, No 5, Oct 62, pp 394-398.

"Soil Preserving Sprinkling Irrigation."

VARGA, Sandor, dr.

Announcement of a vacancy. Magyar Nemzet lap 17 no.5:206  
My '62.

1. Igazságügyminisztérium személyzeti osztályának  
vezetője.

VARGA, Sandor

Working out the process for preparing dicyclopentadiene. Kem tud kozl  
MTA 15 no.1:85-87 '61. (EEAI 10:6)  
(Tetrahydromethanoindene)

MARKOCZY, Guido (Budapest); VARGA, Sandor (Budapest)

Workshop coking by bitumen feeding for the increase of gas value number. Kem tud kozl MTA 16 no.1:124-125 '61.

1. Nehezvegyipari Kutato Intezet, Budapest.

(Coke) (Bitumen) (Gases)

VARGA, Sandor, muszaki doktor

Analysis of the composition of the first runnings of benzene and the separation of industrially valuable fractions. Veszpremi vegyip egy kozl 7 no.4:411-415 '63.

1. Ministry of Heavy Industry, and National Power Economy Authority, Budapest.

VARGA, Sandor, dr., egyetemi adjunktus

Some problems of modern engineering in railroad transportation.  
Kozl tud sz 14 no. 4: 149-155 Ap '64.

VARGA, STEFAN

CZECHOSLOVAKIA / Chemistry of High Molecular Substances. I

Abs Jour : Ref. Zhur. Khimiya, No 3, 1958, 10158

Author : Varga Stefan.

Inst : Not given

Title : Study of the Stability of Polyvinyl Chloride. I. The Infra-red Spectrum

Orig Pub : Chem. zvesti, 1957, 11, No 2, 72-79

Abstract : The changes in the 2.5-15  $\mu$ A region of the infra-red spectrum of polyvinyl chloride which was subjected to thermal oxidation at 140-190°C for 87-100 hr were investigated by means of an infra-red Perkin-Elmer Spectro-meter 12C with a NaCl prism. The amplitudes of the frequencies of oscillation of the absorption bands studied were as follows, (in  $\mu$ ): 2.88 for the OH of carboxyl groups; 3.01 for the OH of water; 3.29

Card 1/2



TOLGYESSY, Juraj, doc., inz., CSc.; VARGA, Stefan, doc., inz., CSc.

Use of beta ray reflections for indication of the equivalence point in precipitation titration determination. Chem zvesti 17 no.10/11:779-786 '63.

1. Katedra radiochemie a radiacnej chemie, Slovenska vysoka skola technicka, Bratislava, Kollarovo namesti 2.

TOLGYESSY, Juraj; KRIVAN, Viliam; VALKA, Stefan; KIAS, Jan

Utilization of the beta ray reflection in chemical analysis.  
Jaderna energie 10 no. 3:85 Mr '64.

1. Department of Radiochemistry and Radiation Chemistry,  
Faculty of Chemistry, Slovak Higher School of Technology,  
Bratislava.

FRANKL, J.;KORDOVANYI, D.;VASS, I.;SEBESTYEN, J.;VARGA, T.

PAS therapy of extrapulmonary tuberculosis. Orv. hetil., Budap.  
92 no. 45:1459-1462 11 Nov. 1951. (CLM/L 21:3)

1. Doctors. 2. Somogy County Kaposvar General Hospital (Head  
Physician --Prof.-Dr. Jozsef Frankl).

VARGA, T.

A geometrical theorem of Farkas Bolyai, p. 101, (MATEMATIKAI LAPOK, Budapest, Hungary), Vol. 5, No. 2/3, 1954.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 1, No. 5, May 1955, Uncl.

X/1264 7

40. Desulphurization of gas oil distillates by adsorption. (In English) I. Varga, V. He s. y. *Acta Chimica Academiae Scientiarum Hungaricae*, Vol. 14, 1958, No. 1-2, pp. 43-59, 12 figs., 5 tabs.

Desulphurization experiments were carried out with gas oil fractions from Nagyenyel (Hungary). Among the tested adsorbents silica gel proved to be the most effective for the removal of sulphur. The compounds separated by adsorption were displaced by benzene. Investigating temperature variations showed 40-60 C to be the optimum range. Sharp separation depends primarily on the length of the column while the capacity i.e. the quantity of distillate that can be chromatographed within a given time increases with the diameter. The advantage of the evolved process is that desulphurization of the fractions takes place through the removal of the aromatic sulphur compounds. By this process the following products could be recovered from the whole-cut gas oil from Nagyenyel having an original sulphur content of 0.8%: 60% yield with 0% sulphur, 70% with 0.14% S or 80% yield for a product containing 0.35% sulphur.

LB  
1/1

Schul

J. J.

VARGA, T. (Budapesht)

Basic formula for solving a complete quadratic equation. Mat. v  
shkole no.6:67-68 N-D '59. (MIRA 13:3)  
(Equations, Quadratic)

VARGA, Tamasne

"Twins, a pair, and a person" by Rene Zazzo. Reviewed by Mrs.  
Tamas Varga. Magy pszichol szemle 20 no.3:485-488 '63.

SZAMOSI, Jozsef, dr.; KOMARAS, Ilona, dr.; VARGA, Tibor, dr.

Diagnostic significance of intravenous pyelography in urinary tract infections in children. Orv. hetil. 105 no.37:1734-1738 13 9 '64.

1. Fovárosi Tanács, Központi Gyermekegészségi Orvosi Módszertani, Tudományos Kutató és Továbbképző Intézet, Gyermekosztály Rtg. Osztály.



KALLAI, Laszlo; FISCHER, Janos; VARGA, Tiborne; ALPARI, Lajos

Examination of secondary ossification centers in the hand of 1-3-year-old year children. Kiserl. orvostud. 15 no.1:33-41 F '63.

1. Orszagos Felfejezes- es Taplalkozastudomanyi Intezet es a MTA  
Matematikai Kutatointezetenek Biometriaial Osztalya.  
(WRIST) (OSSIFICATION) (RADIOGRAPHY)

Varga Tamás

2

Varga, Tamás, Der Satz vom W. Bolyai über die Ver-  
legungsähnlichkeit von Polygonen. Mat. Lapok 5,  
101-114 (1954). (Hungarian. Russian and German  
summaries)

1 - P/W

The following noteworthy result is due to the Hungarian mathematician Bolyai Farkas, the father of Bolyai János: If two polygons  $A$  and  $B$  have the same area, then  $A$  can be divided into a finite number of polygons  $A_1, A_2, \dots, A_n$  and  $B$  can be divided into a finite number of polygons  $B_1, B_2, \dots, B_n, n \geq 1$ , in such a way that  $A_i$  is congruent with  $B_i$  for  $1 \leq i \leq n$ . This interesting theorem is here brought before the public in its country of origin, and three proofs of it are given: one essentially due to Bolyai Farkas himself [Wolfgangi Bolyai de Bolyai, Tentamen iuventutem studiosam in elementa matheseos purae elementaris ac sublimioris, methodo intuitiva evidentiaque huic propria introducendi, cum appendice triplici, t. II, Márosvásárhely, 1832-1833; 2nd ed., Acad. Sci. Hungar., Budapest, 1904, pp. 108-109 (in Latin and in German he called himself Wolfgang Bolyai)]; a simplification of this proof due to the author of the present paper, and a proof due to V. F. Kagan [On transformation of polyhedra, 2nd ed., Gostehizdat, 1933; see also B. V. Kutuzov, Geometriya, Učpedgiz, 1950, pp. 209-212]. G. A. Dirac.

Raw

VARGA, Tamas

"Let us compute together! For grades 5 and 6", and "Let us  
compute together! For grades 7 and 8." Reviewed by Tamas  
Varga. Mat lapok 13 no.1/2:214-216 '62.

VARGA, T. (Budapest)

"Középiskolai matematikai," a Hungarian journal for students.  
Mat. v shkole no.5:76-77 S-0 '63. (MIRA 16:11)

VARGA, Tamas

International Symposium on Teaching Mathematics, Budapest,  
27 August-8 September, 1963. Mat lapok 14 no. 3/4:330-345  
'63.

ACCESSION NR: APL032579

S/0190/64/006/004/0758/0765

AUTHORS: Khardi, D.; Varga, Y.; Nitrai, K.; Tsaylik, I.; Zubonyai, L.

TITLE: Synthesis, polymerization, and copolymerization of vinyl thioacetate

SOURCE: Vyssokomolek. soedin., v. 6, no. 4, 1964, 758-765

TOPIC TAGS: vinyl thioacetate, vinyl thioacetate synthesis, vinyl thioacetate polymerization, vinyl thioacetate copolymerization, vinylsuccinimide copolymer, vinylphthalimide copolymer, vinylcarbazone copolymer, acetoxyethyl thioacetate pyrolysis, chain transfer constant, monomer reactivity ratio

ABSTRACT: The vinyl thioacetate monomer was obtained by pyrolysis of 2-acetoxyethyl thioacetate in a current of CO<sub>2</sub> at a temperature of 490C. Its polymerization was conducted in the presence of dinitrile of isobutyric acid in an atmosphere of nitrogen. The kinetic measurements were carried out by the dilatometric technique, and the molecular weights were determined by cryoscopy. The copolymerization with N-vinylsuccinimide, N-vinylphthalimide, and N-vinylcarbazone was conducted in sealed ampules at 60C. It was found that the polymerization rate of vinyl thioac-

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ACCESSION NR: AP4032579

etate was proportional to the 0.75 power of the initiator concentration and that the brutto activation energy was 25.45 kcal/mole. Since the median polymerization coefficient was not significantly affected by the concentration of the initiator, it was concluded that the chain transfer constant had to be high. An enhancing effect on the reactivity of the corresponding monomer was produced by replacing oxygen with sulfur. All of the copolymers were soluble in benzene and contained nitrogen. By reacting hydrazine hydrate with the vinyl thioacetate-vinyl succinimide and vinyl thioacetate-vinylphthalimide copolymers, the authors obtained polymers containing free SH and NH<sub>2</sub> groups which were rapidly oxidized by air. Orig. art. has: 7 charts, 2 tables, and 3 formulas.

ASSOCIATION: Nauchno-issledovatel'skiy institut plastomassovoy promy\*-shlenosti, Budapest (Scientific Research Institute of Plastic Materials); Budapeshtskiy politekhnicheskoy institut (Budapest Polytechnical Institute)

SUBMITTED: 21Oct63

DATE ACQ: 11May64

ENCL: 00

SUB CODE: CH

NO REF SOV: 006

OTHER: 016

Card 2/2

VARGA, Ya.

Cultivating awnless brome grass in Moscow Province. Zemledelia  
4 no.11:88-91 N '56. (MLRA 10:2)

(Moscow Province--Brome grass)



Accession Nr L 45485-66 EWP(t)/ETI IJP(c) JD/WB

ACC NR: AT6033335 SOURCE CODE: HU/2504/65/051/03-/0361/0379  
*UK*

AUTHOR: Varga, J.--Varga, Y.; Sebestyen, Gy.--Shebesht'yen, D.; Shalnew, K. K.--  
Shal'nev, K. K.; Tschernawskij, B. A.--Chernyavskiy, B. A.

ORG: [Varga; Sebestyen] Technical University, Budapest; [Shalnew; Tschernawskij]  
Institute for Mechanics, AN SSSR, Moscow

TITLE: Investigation of the scale effect in cavitation corrosion *Ab*

SOURCE: Academia scientiarum hungaricae. Acta technica, v. 51, no. 3-4, 1965,  
361-379

TOPIC TAGS: corrosion, cavitation

ABSTRACT: This article is the Hungarian publication of an article published in  
Zh. Prikl. Mekh. i Tekh. Fiz. AN USSR, 1963, no. 3, pp. 122-129. The methodologies  
employed at the authors' Institutes for the investigation of the scale effect  
were described. This investigation covers the subject on the basis of an energetical  
parameters. The equipment used and the experimental conditions employed were  
discussed and an evaluation of the work is made. Orig. art. has: 11 figures,  
2 formulas and 1 table. [Orig. art. in German] [JPRS: 33,732]

SUB CODE: 11, 20 / SUBM DATE: 23Nov63 / ORIG REF: 003 / SOV REF: 008  
OTH REF: 018

Card 1/1 *efz*

*54*  
*B+1*

*0920 1356*

VARGA, Ye.

11614

US - ENGLAND/Foreign Relations 3165.0600 Aug 1947  
Foreign Trade 4704..

"Struggle and Cooperation between the US and England,"  
Ye. Varga, 11 pp

"Mir Khoz i Polit" No 8

Analysis and discussion to show coinciding fields of interests of subject countries, i.e., in the preservation of capitalism and in opposition to the USSR, and conflicting fields, i.e., in foreign policy and in foreign trade. References to Marshall plan and to English and US publications.

ID

11614

MENDEL'SON, Lev Abramovich; VARGA, Ye.S., akademik, red.; TRAKHTENBERG, I.A., akademik, red.; ARZUMANYAN, A.A., red.; MAKAROV, V., red.; MOSKVINA, R., tekhn.red.

[Theory and history of economic crisis and cycles] Teoriia i istoriia ekonomicheskikh krizisov i tsiklov. [Second enlarged and revised edition of a book "Economic crisis and cycles of the 19th century"] Izd.2., perer. i dop. knigi "Ekonomicheskie krizisy i tsikly XIX veka." Moskva, Izd-vo sotsial'no-ekon.lit-ry, 1959. 766 p. (MIRA 13:4)

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(Business cycles)

VAF GA, Yevgeniy Samuilovich, akademik; LEMIN, I.M., doktor ist. nauk,  
otv. red.; VYSOTSKAYA, V.B., red.; DOROKHINA, I.N., tekhn. red.

[Sovremennyy kapitalizm i ekonomicheskie krizisy; izbrannyye trudy. Moskva, Izd-vo Akad. nauk SSSR, 1962. 502 p. (MIRA 15:12)  
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MANUKYAN, A.A.; GLUSHKOV, V.P.; SHVEDKOVA, V.M.; SVIRIDOVA, Z.P.; CHEBOTAREVA, Ye.A.; SHUMILIN, V.I.; PUDINA, K.V.; BRAGINA, N.M.; LUTSKAYA, Ye.Ye.; KODACHENKO, A.S.; KOSOVA, V.A.; MOKLYARSKIY, B.I.; GRECHIKHIN, A.A.; KULIKOV, N.I.; RYDVANOV, N.F.; BEL'CHUK, A.I.; VINTSER, Yu.I.; ROZENTAL', Ye.I.; BELOUS, T.Ye.; SIDOROV, V.F.; ZHDANOVA, L.P.; ALEKSANDROVSKAYA, L.I.; KOVAL', V.V.; KHAVINSON, Ya.S., glavnyy red.; SOKOLOV, I.A., zam.glavnogo red.; ALEKSEYEV, A.M., red.; ARZUMANYAN, A.A., red.; BELYAKOV, A.S., red.; BECHIN, A.I., red.; VARGA, Ye.S., red.; LEMIN, I.M., red.; LYUBIMOVA, V.V., red.; SKOROV, G.Ye., red. V redaktirovani uchestvovali: SHAPIRO, A.I., red.; TATISHCHEV, S.I.. KOVRIGINA, Ye., tekhn.red.

[Economic conditions of capitalistic countries; review of business conditions for 1958 and the beginning of 1959] Ekonomicheskoe polozhenie kapitalisticheskikh stran; kon'unktturnyi obzor za 1958 g. i nachalo 1959 g. Moskva, Izd-vo "Pravda," 1959. 127 p. (Prilozhenie k zhurnalu "Mirovaia ekonomika i mezhdunarodnye otnosheniia," no.8, avgust 1959 g.) (MIRA 12:9)

1. Akademiya nauk SSSR. Institut mirovoy ekonomiki i mezhdunarodnykh otnosheniy. 2. Kollektiv sotrudnikov kon'yunktturnogo sektora Instituta mirovoy ekonomiki i mezhdunarodnykh otnosheniy AN SSSR (for Glushkov, Shvedkova, Sviridova, Chebotareva, Shumilin, Pudina, Bragina, Lutsкая, Kodachenko, Kosova, Moklyarskiy, Grechikhin, Kulikov, Rydvanov, Bel'chuk, Vintser, Rozental', Belous, Sidorov, Zhdanova, Aleksandrovsкая, Koval'). (Economic conditions)

VARGA, Yemerikh Lyudvigovich [Varha, E.], zvenevoy; GWARDIONOV, B.  
[Hvardionov, B.], red.; LUCHKIV, M., tekhn. red.

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(for Varga).

(Khust District--Corn (Maize))

VARGA, Yevgeniy Samuilovich, akademik nagrazhden Leninskoy premiyey;  
LEMIN, I.M., doktor ist. nauk, otv. red.; VYSOTSKAYA,  
V.B., red.; YEGOROVA, N.F., tekhn. red.

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VARGA, Z.; RAKOS, M.

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Sbor VST Kosice 1:61-66 '64.

1. Chair of Physics of the Higher School of Technology, Kosice.  
Submitted April 1, 1963.



RAKOS, M.; VARGA, Z.

Magnetic properties of two complex ferric paramagnetics. Chekhosl  
fiz zhurnal 15 no.4:241-250 '65.

1. Faculty of Natural Sciences of Safarik University, Kosice,  
Komenskeho park 2. Submitted July 3, 1964.

VARGA, Z.

SCIENCE

PERIODICALS: ~~ACTA ZOOLOGICA. Vol. 62, No. 3, May/June 1958~~  
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Varga, Z. Daily evolution of the temperature of cultivated and covered  
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Temperature conditions of soils covered by various materials.

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Budapest, Hungary

EO: Monthly Index of East European Accessions (MEAT) LC, Vol. 7, No. 3,  
1958

VARGA, L.

ABSTRACT : *[Faint, illegible text]*

ABST. JOUR : *[Faint, illegible text]*

AUTHOR : *[Faint, illegible text]*

INST. : *[Faint, illegible text]*

TITLE : *[Faint, illegible text]*

ORIG. PUB: *[Faint, illegible text]*

ABSTRACT : *[Faint, illegible text]*

-- From the author's summary

CARD: 1/1