TOROK, L.

Irrigation from deep wells in India. p.294.

VIZUGYI KOZLEMENYEK. HYDRAULIC ENGINEERING. Budapest, Hungary. No. 2, 1959.

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

TOROK, L.

"Experimental contributions to the regenerative capacity of Dugesia (-Euplanaria) lugubris O. Schm." In English. p. 79.

ACTA BIOLOGICA. (Magyar Tudomanyos Akademia). Budapest, Hungary, Vol. 9, No. 1, 1958.

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

TOROK, L.

"Section sessions." p. 75.

BIOLOGIAI KOZLEMENYEK. (Magyar Biologiai Tarsasag. Altalanos Biologiai Szakosztaly). Budapest, Hungary, Vol. 6, No. 1, 1958.

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

TOROK, L.

LAJOS, Torok, dr.

Aspirated foreign body maintaining chronic pneumonia for years.
Orv. hetil. 98 no.17:447-449 28 Apr 1957.

1. A IV. ker. Fovarosi Kozkorhaz Tudoosztalyanak (foorvos: Devenyi Rudolf dr. korhazigazgato) kozlemenye.

(PNEUMONIA, etiol. & pathogen.
aspirated bone piece causing chronic pneumonia (Hun))
(FOREIGN BODIES
bone piece aspiration causing chronic pneumonia (Hun))

TOROK, Lajos, dr.

Effect of largactil on experimental tuberculosis in guinea pigs. Tuberkulozis 12 no.12:282-284 D '59.

1. A IV. ker. Fovarosi Korhaz (igazgato foorvos: Devenyi Rudolf dr.) kozlemenye.
(CHLORPROMAZINE pharmacol)
(TUBERCULOSIS exper)

TOROK, Laszlo

Data on the colorimetric determination of phosphate ion by molybdenum blue, reduced with ascrobic acid. Magy kem lap 17 no.3:137-139 Mr '62.

1. Helyiipari Kutato Intezet

BUKOVINSZKY, Laszlo, dr.; TOROK, Laszlo, dr.

Effect of sevenal on the estrus cycle of rodents. Magy.noorv. lap. 17 no.5:292-295 Sept 54.

1. A szegedi Orvostudomanyi Egyetem Szuleszeti es Nogyogyaszati klinikajanak kozlemenye (Igazgato: Batizfalvy Janos dr. egyetemi tanar)

(ESTRUS CYCLE, effect of drugs on phenobarbital on rodents (Hun)
(BARBITURATES, effects phenobarbital on estrus cycle in rodents (Hun)

Torok, L.,

1305. Kézdi, G., and Török, L., Applicability of the seepage factor (in Hungarian), *Hidrológiai Közlöny* 35, 5/6, 195-201, May/June, 1955.

Considerations on the range of validity of Darcy's law, which theoretically never applies to seepage problems. At greater velocities in coarse soils, an expression of second degree gives more reliable results; in soils with fine grains (silt, clay), the effect of molecular forces (microseepage) has to be considered; the problem leads to the mechanics of viscoplastic fluids. In seepage problems, the Bernouilli equation has to be used with consideration of the terms of losses. In pumping tests, the results often display deviations from Darcy's law, in most cases, this is caused by inhomogeneity of soil or lack of permanent seepage.

Á. Kézdi, Hungary

TOROK, L.

61. On the applicability of the seepage factor — G. Kuráli, L. Török. (*Hidrológiai Közlöny* — Vol. 35. 1955, No. 5—6, pp. 195—201. 3 figs.)

Darcy's formula for the linear correlation between velocity and gradient, is never valid in theory for water movement in the soil. It can however be applied in practice without appreciable faults within a broad range of movement. Correlations of the type $J = av + bv^2$ yield more reliable results with steeper gradients and correspondingly higher velocities especially in coarse granulated soils. In soils consisting of fine grains (silt, clay) and with a lesser gradient the phenomenon of microseepage (*i.e.* that effect of the molecular force which hinders motion) must be taken into consideration. The theoretical solution of this problem can be traced to the mechanics of visco-plastic materials. With ground water motions Bernoulli's equation can only be applied after complementing it with a member expressing the losses. The divergence from linearity must be borne in mind when determining the seepage factor (by laboratory and field tests, formulae, etc.). Divergences of the k factor observed at trial pumpings are due to the changes in soil homogeneity or the lack of the permanent state assumed in deducing the well formula and not to the cessation of linearity.

TOROK, L.

Progress report on studies of the design of stable channels by the Bureau of Reclamation. p. 361.
VIZUGYI KOZLEMENYEK. HYDRAULIC PROCEEDINGS, Budapest, Vol. (36) no. 3, 1954.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955, Uncl.

TOROK, L.

6th Balaton Conference of the Hungarian Hydrological Society. p. 247.
(HIDROLOGIAI KOZLONY. HYDROLOGICAL JOURNAL Vol. 36, no. 4, Aug. 1956. Budapest)

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

TÖRÖK, LÁSZLÓ

HUNGARY/Analysis of Inorganic Substances G-2

Abs Jour: Ref Zhur-Khimiya, No 6, 1957, 19606

Author : Laszlo Török.
Inst : -
Title : Carbon Determination in Soils and Fertilizers by Measuring Conductivity.

Orig Pub: Agrokem. Es. Talaj., 1956, 5, No 2, 257 - 266.

Abstract: The organic matter of the soil or fertilizer is oxidized with Van-Slyak reagent, the produced CO_2 is absorbed by $Ba(OH)_2$ solution and the electrical conductivity of the latter is measured. A calibrating curve is plotted using $KHCO_3$. The duration of a determination is 1 hour. This method is applicable also to pure organic substances.

Card 1/1 - 86 -

TOROK, Tibor, prof., dr. (Budapest, VIII., Muzeum korut 4/b);
ZIMMER, Karoly, dr. (Budapest, VIII., Muzeum korut 4/b)

Newer results in the application of l-transformation. Acta chimica Hung 41 no.1/2:97-104 '64.

1. Institut fur Anorganische und Analytische Chemie der Lorand Eotvos Universitat Budapest.

TOROK, Tibor, prof., dr. (Budapest, VIII., Muzeum korut 4/b);
BAJAKI, Laszlo (Budapest, VIII., Muzeum korut 4/b)

Problems of the qualitative evaluation of emmission spectrograms. Acta chimica Hung 41 no.1/2:143-154 '64.

1. Institut fur Anorganische und Analytische Chemie der Lorand Eotvos Universitat, Budapest, und Forschungslaboratorium fur Automatisierung der Ungarischen Akademie der Wissenschaften, Budapest.

TOROK, Tibor, prof., dr. (Budapest, VIII., Muzeum korut 4/b)

Data on the correspondence of theoretical and practical correlations of l-transformation. Acta chimica Hung 41 no.1/2:155-160 '64.

1. Institut fur Anorganische und Analytische Chemie der Lorand Eotvos Universitat, Budapest.

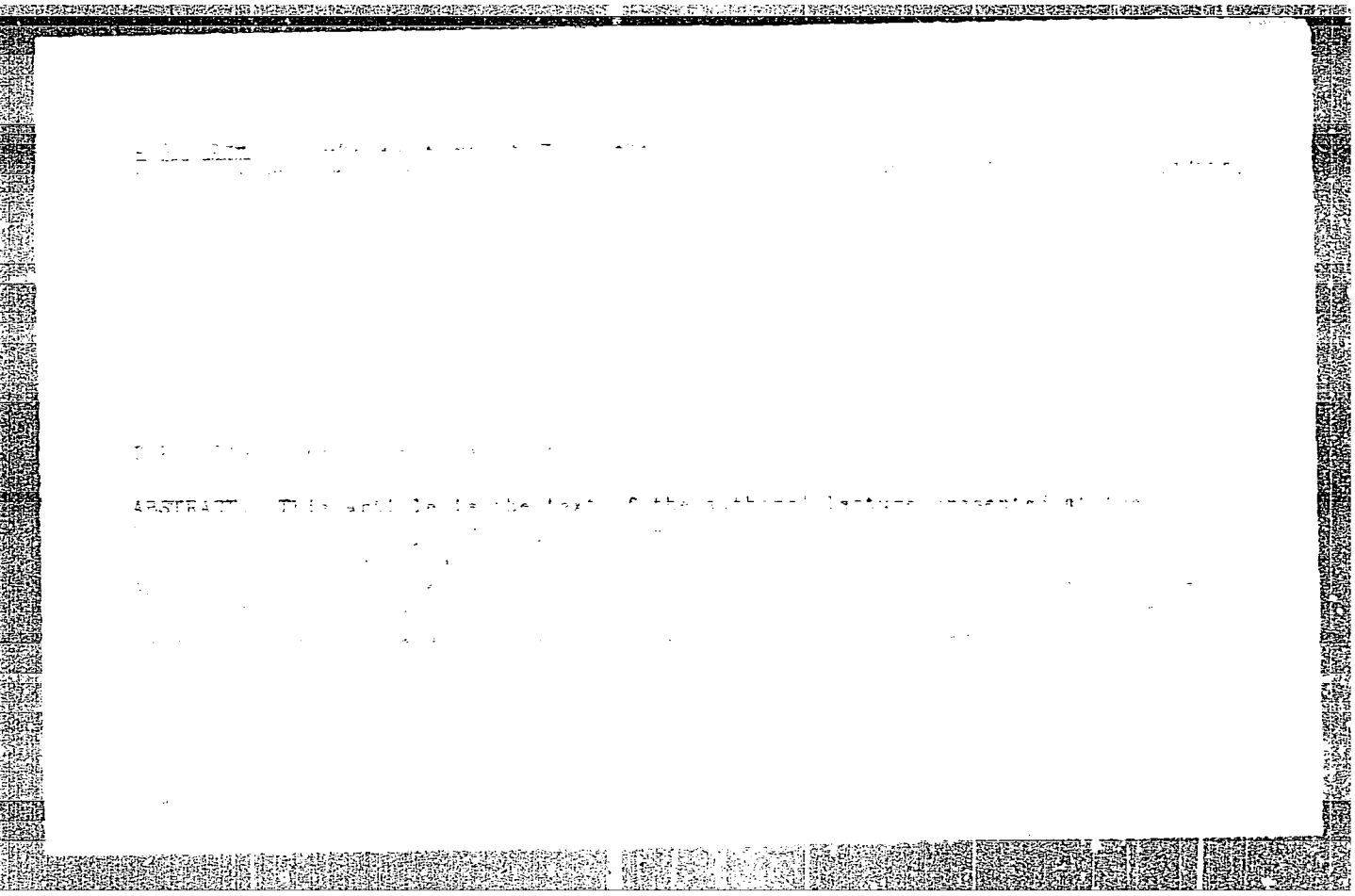
TOROK, Tibor, a kemiai tudomanyok doktora

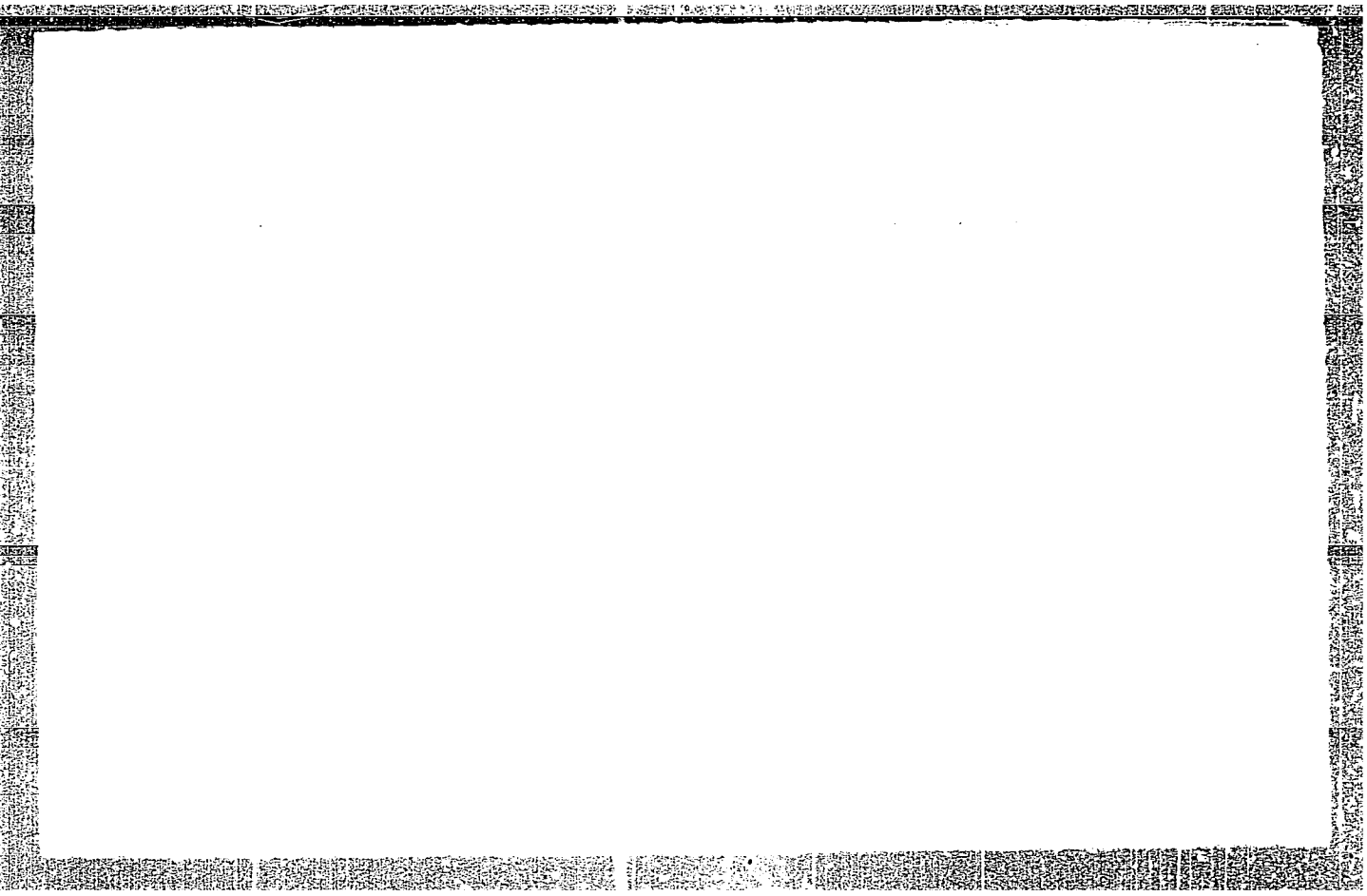
Report on the 10-year activity of the Committee on Spectrum Analysis, Material Testing Division of the Scientific Association of the Machine Industry. Kem tud kozl MTA 21 no. 1:124-127 '64.

1. Chair of Inorganic and Analytic Chemistry, Lorand Eotvos University, Budapest.

TOROK, Tibor, dr.

Report on the 10 years' activity of the Technical Committee on Spectrum Analysis, Department of Material Testing, Scientific Association of the Machine Industry. Gep 16 no.5:199-200 My'64.





APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756320019-7"

[redacted] (Budapest); Balaki, Laszlo,

[redacted] in the quantitative evaluation of emission spectrophotograms

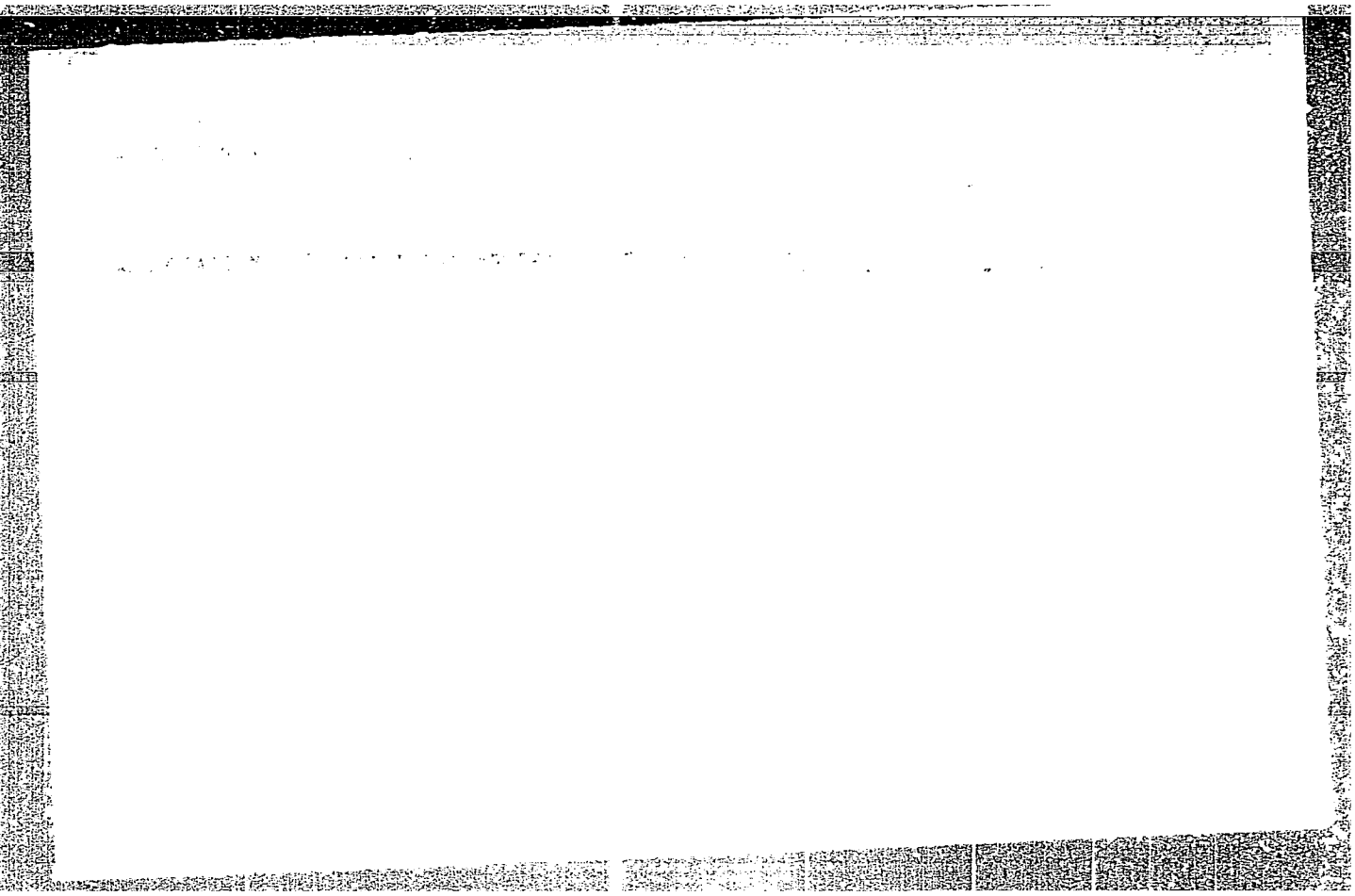
SOURCE: [redacted] 143-154

TOPIC TAGS: analog computer, emission spectrum, nuclear physics apparatus

ABSTRACT: The principles, construction, operation, performance, and applications of

ACCESSION NR: AT5

presented at the Eleventh Colloq

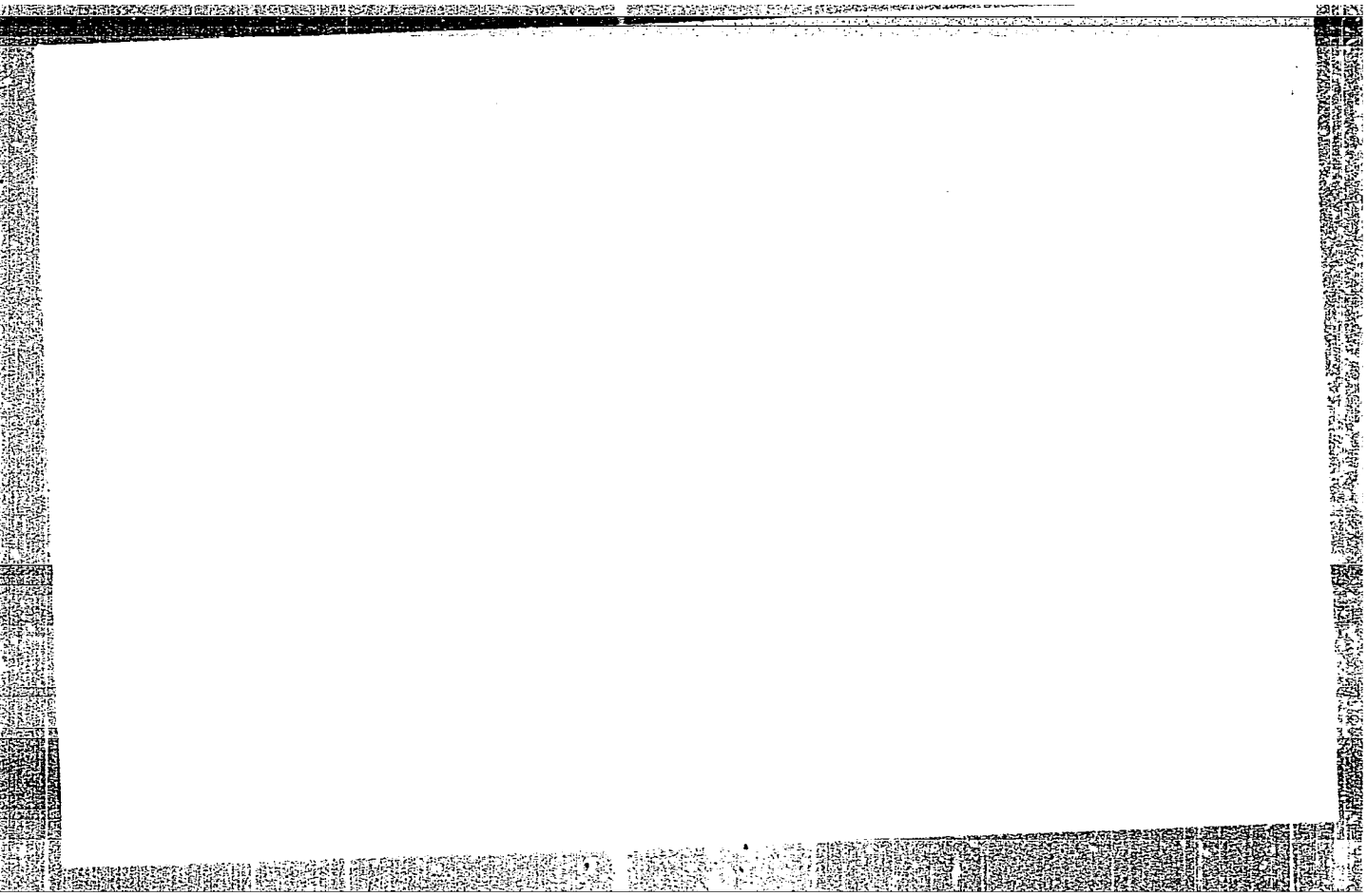


APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756320019-7"

TOROK, Tibor

Correspondence of the theoretical and practical basic equation of the L-transformation. Magy kem folyoir 70 no. 6:278-280 Je '64.

1. Chair of Inorganic and Analytic Chemistry, Lorand Eotvos University, Budapest.



APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756320019-7"

TOROK, L.

Investigation of erosion occurring around hydraulic structures. p.357.
(Hidrologiai Kozlony, Vol. 36, No. 5, Oct. 1956, Budapest, Hungary)

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

TOROK, L.

TOROK, L. Experimenting with models in application of centrifugal acceleration. p. 370.

Vol. 5, No. 8, Aug. 1955.
MELYEPITESTUDOMANYI SZEMLE.
TECHNOLOGY
Budapest, Hungary

So: East European Accession, Vol. 5, No. 5, May 1956

TOROK, L.

TOROK, L. - Computing ice pressure on structures. p. 333, Vol (37) no. 3/4, 1955
VIZUGYI KOZLEMENYEK. HYDRAULIC ENGINEERING. (Kozlekdesugyi
Miniszterium. Vizgazdalkodasi Tudomanyos Kutato Intezet)
Budapest.

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

TOROK, L.

TOROK, L. - AUDIO SK 102, a film projector for regular-sized films; presenting an apparatus. p. 102.
Vol. 2, no. 4, Aug. 1956.
Kep es Hangtechnika. - Budapest, Hungary

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

TOROK, Laszlo; CSONKARETI, Karolyne

Carbon content determination in composts by dichromatic method based upon the measurement of oxygen consumption. Agrokem talajtan 12 no.4:631-642 D '63.

1. Local Industry Research Institute, Ministry of the Light Industry, Budapest.

Colloid-chemical aspects of the extraction of humic matter and extraction of humus from manures. László Török (Agrokémiai Kutató Intézet Szervestrágyázási Osztálya, Budapest). *Agrokémia és Talajtan* 4, 57–70(1955)(English summary).—For extn. of humus from manure the following solvents were used: 0.1*N* NaOH, 0.05*N* LiOH, and LiF with the pH of 7.45. The strongest peptization effect was with 0.1*N* NaOH. The LiF soln. showed a minimal peptization effect. The 0.05*N* LiOH had about the same effect as 0.05*N* NaOH except that the peptization in the 1st fraction of LiOH was considerably higher than the corresponding NaOH fraction. Some of the fractions were pretreated with 0.05*N* HCl and 0.05*N* H_2SO_4. It was shown that the pretreatment with acid has an inhibitory effect upon peptization. Nelly Hellinger

TOROK, L.

"Manipulating lock gates" p. 182, (VIZUGYI KOZLEMENYEK. HYDRAULIC PROCEEDINGS, No.1, 1953, Budapest, Hungary)

SO: Monthly List of East European Accessions, L.C., Vol. 2, No. 11, Nov. 1953, Uncl.

TOROK, Laszlo Jozsef

Division news. Biol kozl 8 no.2:203-212 '60.

1. "Biologiai Kozlemenyek" szerkeszto bizottsagi tagja.

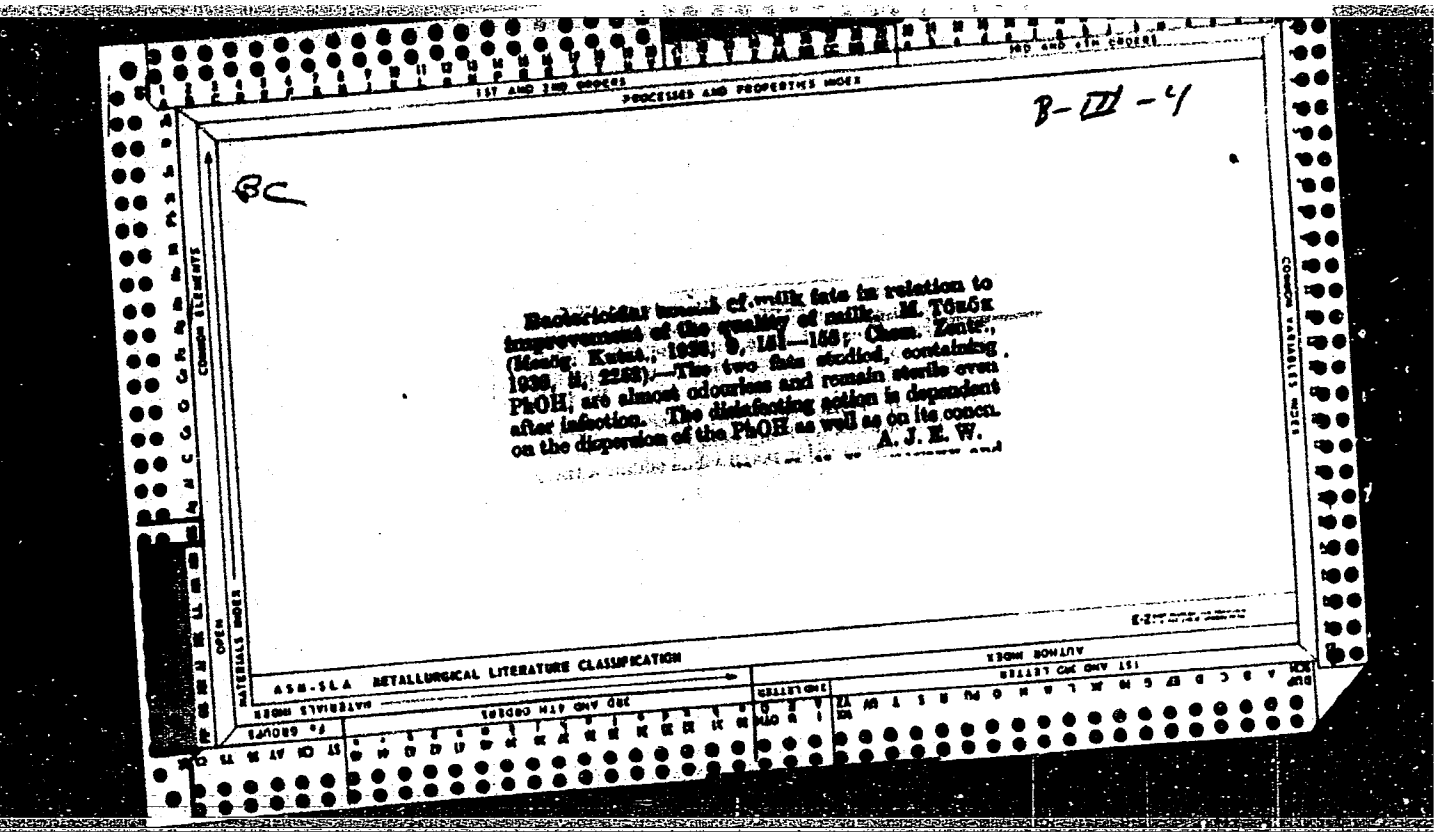
TOROK, LASZLO

BUKOVINSZKY, Laszlo, dr.; TOROK, Laszlo, dr.

Modification of resistance of erythrocytes following gynecological surgery. Magy. noorv. lap. 17 no.4:237-241 July 54.

1. A szegedi Orvostudomanyi Egyetem Szuleszeti es Nogyogyaszati Klinikajanak kozlemenye (Igazgato: Batizfalvy Janos dr. egyetemi tanar)

(GENITALIA, FEMALE, surgery,
postop. erythrocyte resist., variations)
(ERYTHROCYTES,
resist. after gyn. surg.)



KISS, Lorant, okleveles gepeszmernok; CSERNAVOLGYI, Laszlo; HAJDU, Istvan; BENKOVICS, Jozsef; TERNYAK, Beno; SOSKUTI, Andras; TOROK, Mihaly, dr.; SZASZ Frigyes; GATI, Geza; KOVACS, Lajos; DEHENES, Zoltan; MAGYAROSI, Laszlo; KOVACS, Gyula; AUERSWALD, Janos; SOS, Janos; DIOSZEGHY, Daniel, prof.

Manufacture and use of gas appliances. Energia es atom 17 no.1: 30-35 Ja'64.

1. Lampagyar (for Kiss). 2. Vegyterv (for Csernavolgyi). 3. Orszagos Koolaj- es Gazipari Troszt (for Hajdu, Szasz, Auerswald). 4. Pecsi Gazszolgaltato Vallalat (for Benkovics). 5. Asvanyolajforgalmi Vallalat (for Ternyak, Soskuti). 6. Epitesugyi Miniszterium Iparterv Muszaki Osztaly (for Torok). 7. Orszagos Villamosenergia Felugyelet (for Gati). 8. Epitesugyi Miniszterium (for Lajos Kovacs). 9. Gazkeszulekgyarto Vallalat (for Dehenes). 10. Epitestudomayi Intezet (for Gyula Kovacs).

TOROK, Mihaly

Ideological education in the hostels for mailmen. Munka 13 no.8: 25 Ag '63.

1. Postas Szakszervezet kulturalis osztalyanak megbizott vezetoje.

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

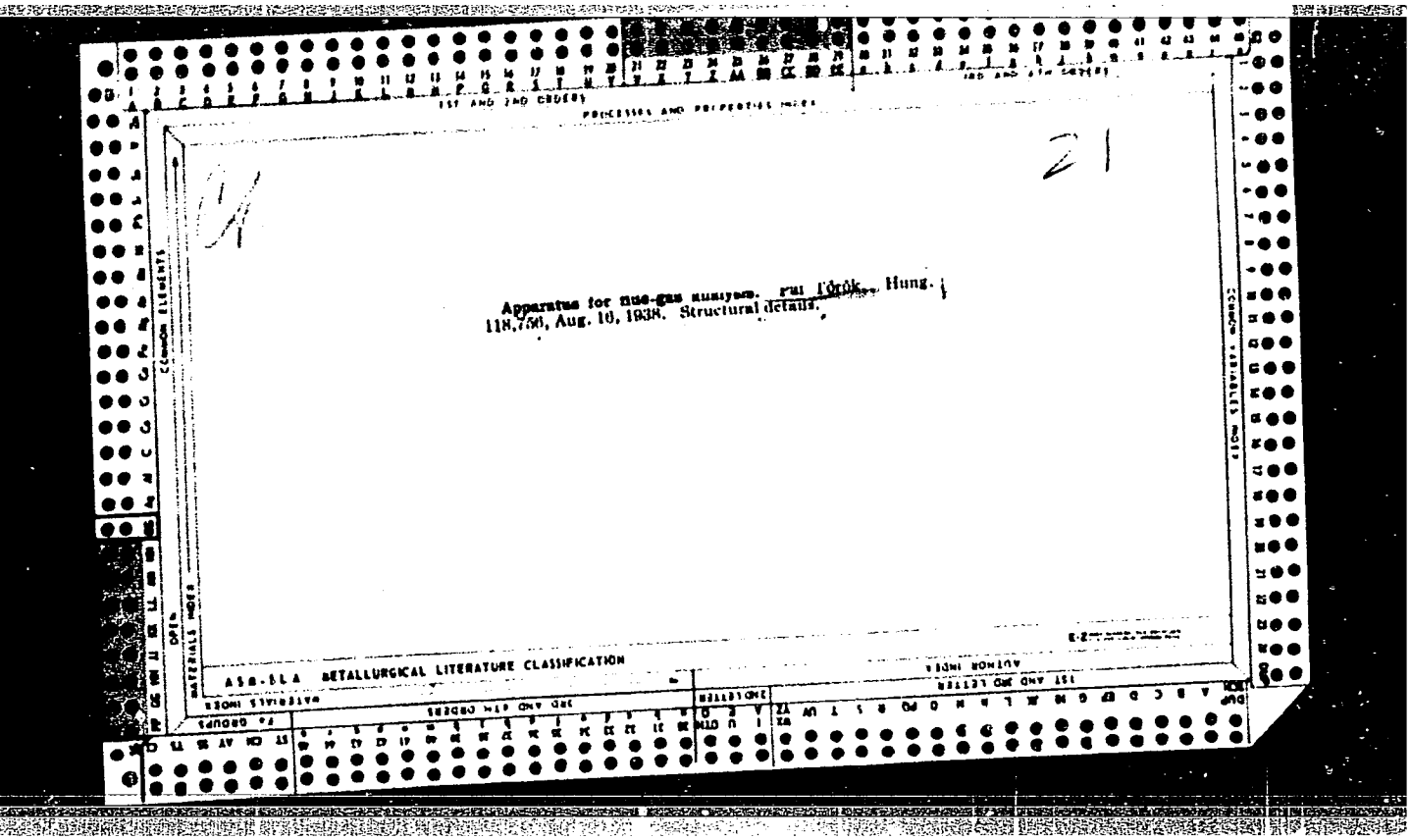
Electron structure of aromatic compounds. Pt.1. Magy fiz folyoir 11 no.2:89-100 '63.

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

CSABA, G.; TOROK, Ottilia; FISCHER, J.

Immunological competence of newborn and adult rat thymus and spleen after explanation in tissue culture. Acta biol. acad. sci. Hung. 16 no.2:161-168 '65.

1. Institute of Histology and Embryology, Medical University, Budapest (Head: I. Toro) Biometrical Division, Mathematical Research Institute of the Hungarian Academy of Sciences (Head: I. Juvancz). Submitted April 8, 1965.



LEEL-OSSY, Lorant, Dr.; TOROK, Pal, Dr.

Malignant melanoma metastasizing to the central nervous system. Ideg. szemle 12 no.5:136-147 May 59.

1. A Debreceni Orvostudomanyi Egyetem Ideg-Elmeklinikajanak (igazgato: dr. Juhasz Pal egyetemi tanar) kozlemenye.

(MELANOMA, case reports
malignant, metastatic to CNS (Rus))
(CENTRAL NERVOUS SYSTEM, neoplasms
metastatic from malignant melanoma (Rus))

HULLAY, Jozsef; FARAGO, Lajos; TOROK, Pal

Data on memory functions based on electric cortical stimulations in temporal epilepsy. Ideg. szemle 11 no.1-2:15-17 Feb-Apr 58.

(MEMORY,
funct. of memory cortex studies by electric cortical stimulations in temporal epilepsy (Hun))

(CEREBRAL CORTEX, physiol.
memory cortex funct. studied by electric cortical stimulations in temporal epilepsy (Hun))

JUHASZ, Pal, dr.; ZSADANYI, Otto, dr.; TOROK, Pal, dr.; KUSZ, Sandor, dr.; PERTORINI, Rezso, dr.

Village population morbidity in 1961. Orv. hetil. 105 no.37:1742-1746 13 S '64.

1. Debreceni Orvostudomanyi Egyetem, Ideg- es Elmeklinika (igazgato: Juhasz Pal dr.).

TOKOK, P.

TOKOK, P. Two interesting Rotatori e in the tap water of Budapest.
In German. p. 300

Vol. 2. no. 1/3 1956
Acta Zoologica
SCIENCE
Budapest, Hungary

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

TÖRÖK, P.

Biological investigations on waterworks supplied by spring waters. In English. p. 7, (ACTA BIOLOGICA, Budapest, Hungary). Vol 5, No 1-2, 1954.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol 4, No. 5, May 1955, Uncl.

KAJTOR, Ferenc; FARAGO, Lajos; TOROK, Pal

Effect of peripheral sensory stimulation on the convulsive activity of the hippocampus in evipan anesthesia. Ideg szemle 10 no.5-6:171-180 Oct-Dec 57.

1. A Debreceni Orvostudomanyi Egyetem Ideg-elmeklinikajanak kozlemenye.
(HIPPOCAMPUS, in various dis.
epilepsy, temporal, EEG of hippocampal responses to sensory stimulation of peripheral nerves in hexobarbital anesth. (Hun))
(EPILEPSY, physiol.
EEG of hippocampal responses to sensory stimulation of peripheral nerves in hexobarbital anesth. in temporal epilepsy (Hun))
(ELECTROENCEPHALOGRAPHY, in various dis.
epilepsy, temporal, EEG of hippocampal responses to sensory stimulation of peripheral nerves in hexobarbital anesth. (Hun))
(NERVES, PERIPHERAL, in various dis.
same)

TOROK Piroska

Microorganisms from the Hungarian water-supply lines. Acta microb. hung. 1 no.2-3:223-241 1954.

1. Staatliches Institut fur Volksgesundheitswesen, Budapest; eingegangen am 10. August 1953.
(WATER SUPPLY, bacteriol.
*Hungary)

BANK, Istvan; MOLNAR, Endre; TOROK, Piroska, dr.; RAKSANYI, Arpad, dr.; ORGSZLAKY, Istvan; FINALY, Lajos; NAGY L. Denes; SZABO, Zoltan, dr.

Possibilities for the agricultural utilization of sewage waters in Hungary. Hidrologiai kozlony 36 no.1:69-76 F'56.

1. "Hidrologiai Kozlony" szerkeszto bizottsagi tagja (for Szabo).

TOROK, Piroska, dr.

Biological examination of water pipes. Hidrologiai kozlony 41 no.5:422-434 0'61.

TOROK, Piroska

Data on the bacteriological conditions of some waters flowing into the Balaton. Annales biol Tihany 27:165-168 '60.

C.A.

14

The bacteriological and biological control of the drinking water of Budapest. Piroska Torok (Országos Közegészségügyi Intézet, Budapest). *Hidrol. Közlony* 30, 2-10 (1950).—Bacteriol. tests are conducted regularly according to the method of McCrady-Hoskins (cf. *U.S. Pub. Health Repts.* 49, 393(1934)). Data are given on total bacteria counts, coli counts, and plankton counts in tap water and water in the mains from 1941 to 1948. Max. counts occurred in 1945. The no. of plankton organisms in tap water generally increased in the summer and autumn months, and its fluctuations were parallel to those of the total no. of bacteria. István Finály

TOTH, Lajos (Debrecen); TOROK, Sandor (Debrecen)

Determination of gravitational acceleration by spring scale at special teaching courses. Fiz szemle 11 no.7:223-224 Jl '61.

[illegible], Tozok Sandor

HUNGARY/Nuclear Physics - Installations and Instruments. Methods C-2

Abs Jour : Ref Zhur - Fizika, No 7, 1958, No 14983

Author : Bujdoso Erno, Medveczky Laszlo, Tozok Sandor
Inst : Not Given
Title : Nonograms for Measurement of Energy of Neutrons in Photoemulsion.

Orig Pub : Magyar fiz. folyoirat, 1957, 5, No 3, 229-239

Abstract : Description of nonograms with which it is possible to determine the energy of the neutron in photoemulsion in the energy interval from 0.5 to 14 Mev with an accuracy of 1 to 3%.

Card : 1/1

TOROK, Sandor, egyetemi adjunktus

Determination of internal resistance of amperemeters. Radiotechnika 13 no.11:430-431 N '63.

Hydrolysis of cellulose with conc. [illegible]
(Preliminary publication) [illegible]
Török, *Yearbook Inst. for Chem. Technol.* [illegible]
Sci. Budapest, Hung. 1952 III 105–9 VIII. [illegible]

Cellulose was hydrolyzed with concd. H_2SO_4 for various lengths of time. The sugars obtained were detd. by iodometric or polarographic methods. For the hydrolysis 10 g. cotton cellulose was heated with 18 g. of 80% H_2SO_4 5 min. at 50° and 45 min. at 121°, giving 93% sugar of which 97% could be fermented. J. A. Silard

KUTZ, Vaszili, dr.; TOROK, Szilveszter, dr.

Manufacturing problems of gelatinating pectin in the Hungarian food industry. Konzerv paprika no.5:160-164 S-O'63.

1. Konzerv - es Paprikaipari Kutato Intezet.

TOROK, S.

HUNGARY/Nuclear Physics - Installations and Instruments. Methods of C-2
Measurement and Research

Abs Jour : Ref Zhur - Fizika, No 5, 1958, No 10083

Author : Bujdoso, E., Medveczky, L., Torok, S.
Inst : Institute of Nuclear Research, Hungarian Academy of Sciences, Debrecen, Hungary
Title : Nomographs for Fast Neutron Spectroscopy

Orig Pub : Acta phys. Acad. sci. bung., 1957, 7, No 3, 373-377

Abstract : The measurement of the energy distribution of fast neutrons with the aid of photoemulsions represents a laborious problem. The difficulties increase particularly in the study of the spectrum of neutrons with a broad energy band. In processing the tracks, the authors propose to use two nomograms. The first nomogram gives the dependence of the proton energy and the angle between the direction of the proton and the plane of the plate on the depth of the track and the length of its projection on the plane of the plate. With the aid of a second nomogram, it is possible to determine the value of the angle

Ca:

Card : 1/2

TOROK, Tibor; PETHO, Attila

Spectrographic determination of the copper content of aluminum alloys between 0,1-1,0 per cent concentration limits. Magy kem folyoir 67 no.10:433-435 O '61.

1. Eotvos Lorand Tudomanyegyetem Szervetlen es Analitikai Kemiai Tanszeke, Budapest es Csepel Vas- es Femmuvek Anyagvizsgalo Osztalya, Budapest.

S/081/63/000/001/034/061
B144/B186

AUTHORS: Zimmer, Karoly, Török, Tibor

TITLE: Physical and chemical processes on the surface of electrodes in spark discharge

PERIODICAL: Referativnyy zhurnal, Khimiya, no. 1, 1963, 123, abstract 1G15 (Chem. analit. (Polska), v. 7, no. 1, 1962, 105-112 [Germ.; summary in Pol.])

TEXT: Review article devoted to the systematization of various processes occurring on the electrode surface in spark discharge during the spectrum analysis of alloys. [Abstracter's note: Complete translation.]

Card 1/1

TOROK, Tibor, dr.

Aspects and possibilities of introducing spectrometers in Hungary.
Koh lap 96 no.2:62-66 F '63.

1. Eotvos Lorand Tudomanyegyetem Szervetlen es Analitikai Kemiai Intezete, Budapest, es Csepel Vas- es Femmuvek Kozponti Anyagvizsgalo Osztalya, Budapest.

TOROK, Tibor

Present state and perspectives of the application of self-operative optical and X-ray spectrum analyzing installations. Magy kem lap 16 no.12:569-574 D '61.

1. Eotvos Lorand Tudomanyegyetem Szervetlen es Analitikai Kemiai Intezete, es Csepel Vas- es Femmuvek Anyagvizsgalo Osztalya.

S/058/63/000/001/071/120
A160/A101

AUTHOR: Török, Tibor

TITLE: Present possibilities and unsolved problems of quantitative photographic measurements in an emission spectral analysis

PERIODICAL: Referativnyy zhurnal, Fizika, no. 1, 1963, 89, abstract 1D638 ("Chem. analit." (Polska), no. 1, 1962, 7, 47 - 60, German; summary in Polish)

TEXT: Discussed are the possibilities of improving the accuracy of photographically measuring the intensity of spectral lines by the use of known methods of transforming blackenings. To facilitate calculations, the use of various computers is proposed.

M. Britske

[Abstracter's note: Complete translation]

Card 1/1

ZIMMER, Karoly, dr. (Budapest XII Szendi u.14); TOROK, Tibor, dr. (Budapest XI, Zolyomi ut 41)

Data on the sparking-off effect. VII. Acta chimica Hung 24 no.1:1-17 '60. (EEAI 10:4)

1. Institute of Inorganic and Analytical Chemistry, L.Eotvos University Budapest and Department of Material Investigation, Csepel Iron and Metal Works, Budapest.
(Electric spark) (Electrodes) (Aluminum) (Magnesium)

ZIMMER, Karoly, dr. (Budapest XII Szendi u.14); TOROK, Tibor, dr (Budapest XI Zolyomi ut. 41)

Data on the sparking-off effect. VIII. Acta chimica Hung 24 no.2: 111-123 '60. (EEAI 10:4)

1. Institute of Inorganic and Analytical Chemistry, L.Eotvos University Budapest and Department of Material Investigation, Csepel Iron and Metal Works, Budapest.
(Electric spark) (Electrodes)

TOROK, Tibor, dr. (Budapest XI. Zolyomi ut 41)

A semiautomatic analogue-calculating machine equipped with a potentiometer, and its aplication for a complete evaluation in the emission spectrum analysis. Acta chimica Hung 24 no.2:143-156 '60. (EEAI 10:4)

1. Institute of Inorganic and Analytical Chemistry, L.Eotvos University Budapest, and Department for Investigation of Materials, Csepel Iron and Metal Works, Budapest.
(Electronic analogue computers)
(Potentiometer)
(Spectrum analysis)

ZIMMER, Karoly (Budapest); TOROK, Tibor, dr. (Budapest)

Data on the sparking-off effect. V. Acta chimica Hung 22 no.4:373-382 '60. (EEAI 10:2)

1. Institute of Inorganic and Analytical Chemistry, Lorand Eotvos University, Budapest (for Zimmer). 2. Department for Material Investigation, Csepel Iron and Metal Works, Budapest (for Torok)
(Electric spark) (Electrodes) (Magnesium)
(Aluminum)

TOROK, T.

High-voltage spark exciter with mechanically controlled charging electric circuit. p. 99.

Magyar Tudomanyos Akademia. Muszaki Tudomanyok Osztalya. KOZLEMENYEI. Budapest, Hungary. Vol. 23, no. 1/2, 1958.

Monthly list of East European Accessions (EEAI) LC, vol. 8, no. 2, July, 1959.

Uncl.

HUNGARY/Optics - Instruments for Optical Analysis. K

Abs Jour : Ref Zhur Fizika, No 2, 1960, 4714

Author : Torok, T., Barabas, J.
Inst : -
Title : Spectroscope for Testing Materials

Orig Pub : Acta chim. Acad. scient. hung., 1959, 19, No 1, 51-55

Abstract : Description of a binocular spectroscope for testing materials, equipped with two prisms, and applicable also to the measurement of the intensity of spectral lines.

Card 1/1

TOROK, T.; BARABAS, J.

Spectroscope for testing materials. p.51

ACTA CHIMICA. Budapest, Hungary. Vol. 19, no. 1, 1959

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

E-1

COUNTRY : Germany
CATEGORY : Analytical Chemistry. General

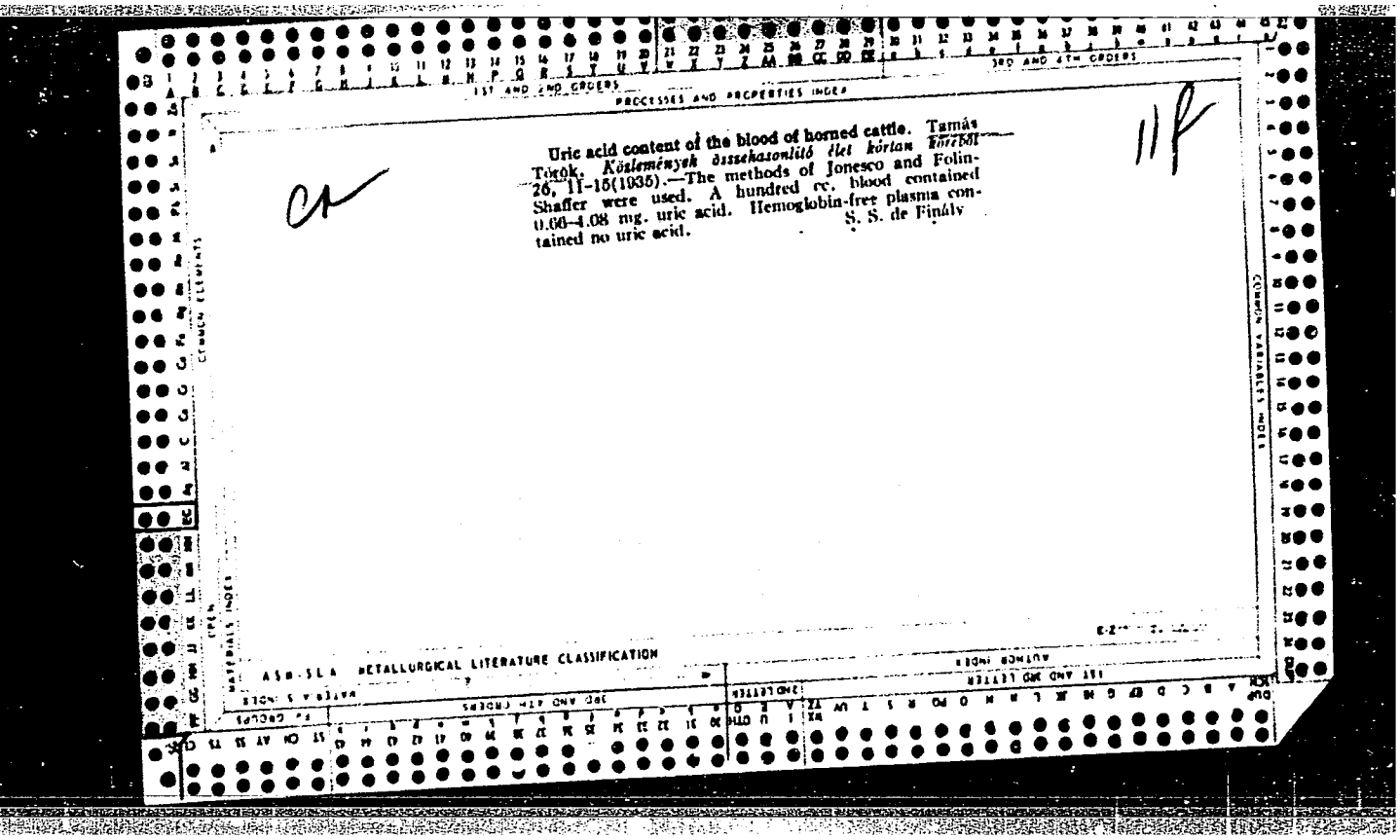
ABS. JOUR. : RZKhim., No. 19, 1959, No. 67614

AUTHOR : Torok, T.; Petho, A.
INST. :
TITLE : On the Shift of Calibration Graphs on the Throwing Out of Focus of Littrow Spectrograph

ORIG. PUB. : Z. wiss. Photogr., 1959, 53, No 4-6, 110-115

ABSTRACT : Study of the causes of shifting of calibration graphs, due to purely optical reasons, using as an example an Al-alloy containing 0.23-0.56% Fe, 0.25-1% Si, and 0.01-0.08% Cu. A parallel shift of set graphs was ascertained, and when the apparatus is thrown out of focus the values of fixed points C_0 (corresponding to $\Delta S = 0$) and C_m differ on the graph from the original values by 7% for Si and by 10-11% for Fe and Cu. In the opinion of the authors such a shift is due to difference in shape of contour of the lines. In spectra photographed in a properly adjusted apparatus, the lines selected for the study are those of equal blackening; in such a case $\Delta S = 0$. On recording with an

CARD: 1/2



PROCESSES AND PROPERTIES INDEX

Uric acid content of the blood of horned cattle. Tamás Török. *Közlemények összehasonlító élet kórtan Értesítő* 26, 11-15(1935).—The methods of Jonesco and Folin-Shaffer were used. A hundred cc. blood contained 0.66–4.08 mg. uric acid. Hemoglobin-free plasma contained no uric acid. S. S. de Finály

11f

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

TOROK, Tibor, dr. (Budapest, XI., Zolyomi ut 41)

Automatic optical and roentgen spectral analytical devices; present state and perspectives of their application. Acta chimica Hung 33 no.1:39-50 '62.

1. Institut fur Anorganische und Analytische Chemie der Lorand Eotvos Universitat, Budapest, und Abteilung fur Werkstoffprufung der Eisen- und Metallwerke Csepel, Budapest.

TOROK, Tibor; ZIMMER, Karoly; RETI, Sandor

A new blackening-transformation. Magy kem folyoir 68 no.8: 395-398 S '62.

1. Eotvos Lorand Tudomanyegyetem Szervetlen es Analitikai Kemiai Tanszeke, Budapest.

TÖRÖK, Tibor

Present time possibilities and unsolved problems of the quantitative photographic evaluation of emission spectral analysis. Chemia anal 7 no.1:47-60 '62.

1. Chair of Inorganic and Analytic Chemistry, L. Eötvös University, Budapest, Hungary and Laboratory of Material Research, Csepel Metallurgical Plants, Budapest, Hungary.

ZIMMER, Karoly; TÖRÖK, Tibor

Physical and chemical processes occurring at the surface of electrodes of alloys during electric spark discharges. Chemia anal 7 no.1:105-112 '62.

1. Institute of Anorganic and Analytic Chemistry, L. Eötvös University, Budapest, Hungary.

TÖRÖK, Tibor; SZABO, Z.L.

Spectralanalytical research with screw electrodes from metallurgical aluminum. Chemia anal 7 no.1:195-200 '62.

1. Institute of Inorganic and Analytical Chemistry, L. Eötvös University, Budapest.

ZIMMER, Karoly, a kemiai tudomanyok kandidatusa (Budapest); TOROK, Tibor, a kemiai tudomanyok doktora (Budapest)

Data on the sparking-off effect. VI. Kem tud kozl MTA 13 no.1:11-15 '60. (EEAI 10:2)

1. Az Eotovos Lorand Tudomanyegyetem Szervetlen es Analitikai Kemiai Intezete, Budapest (for Zimmer). 2. Csepel Vas- es Femmuvek Anyagvizsgalo Osztalya, Budapest (for Torok). Az 1959. november 6-i osztalyulesen bemutatta Schulek Elmer r.tag.
(Electric spark) (Electrodes)
(Magnesium) (Aluminum)

ZIMMER, Karoly, a kemiai tudomanyok kandidatusa (Budapest); TOROK, Tibor, a kemiai tudomanyok doktora (Budapest)

Investigation of sparking effects I-II. Kem.tud.kozl.MTA 12 no.3: 285-314 '59. (KKAI 9:4)

1. Az Eotvos Lorand Tudomanyegyetem Szervetlen es Analitikai Kemiai Intezete (for Zimmer). 2. Csepel Vas- es Femmuvek Anyagviszagalo Osztaly (for Torok).
(Spectrum analysis) (Magnesium) (Manganese)

ZIMMER, Karoly, a kemiai tudomanyok kandidatusa (Budapest); TOROK, Tibor, a kemiai tudomanyok doktora (Budapest)

Investigation of sparking effects. Kem.tud.kozl.MTA 12 no.4:405-430 '59. (EEAI 9:4)

1. Az Eotvos Lorand Tudomanyegyetem Szervetlen es A-nalitikai Kemiai Intezete, Budapest (for Zimmer). 2. Csepel Vas- es Femmuvek Anyagviszgalo Osztalya, Budapest (for Torok).
(Magnesium) (Spectrum analysis) (Aluminum) (Iron) (Silican) (Manganese)

ZIMMER, Karoly, a kemiai tudomanyok kandidatusa (Budapest); TOROK, Tibor, a kemiai tudomanyok doktora (Budapest)

Data on the sparking-off effect. Kem tud kozl MTA 13 no.3:269-284 '60. (EEAI 9:11)

1. Az Eotvos Lorand Tudomanyegyetem Szervetlen es Analitikai Kemiai Intezete, Budapest (for Zimmer). 2. Csepel Vas- es Femmuvek Anyagvizsgalo Osztalya, Budapest (for Torok)
(Electric spark) (Aluminum)

ZIMMER, Karoly, a kemiai tudomanyok kandidatusa (Budapest); TOROK, Tibor, a kemiai tudományok doktora (Budapest).

Dataon the sparking-off effect. VIII. Kem tud kozl MTA 13 no.4: 371-381 '60. (EEAI 9:12)

1. Az Eotvos Lorand Tudomanyegyetem Szervetlen es Analitikai Kemiai Intezete, Budapest (for Zimmer). 2. A Csepel Vas- es Femmuvek Anyagvizsgalo Osztalya, Budapest (for Torok).
(Electric spark) (Alluminum) (Electrodes)
(Diffusion)

ZIMMER, Karoly, a kemiai tudomanyok kandidatusa (Budapest); TOROK, Tibor, a kemiai tudomanyok doktora (Budapest)

Data on the sparking-off effect. IX. Kem tud kozl MTA 14 no.1:1-9 '60. (EEAI 9:12)

1. Az Eotvos Lorand Tudomanyegyetem Szervetlen es Analitikai Kemiai Intezete, Budapest (for Zimmer). 2. Csepel Vas-es femmuvek Anyagvizsgalo Osztalya, Budapest (for Torok)
(Electric spark) (Electrodes) (Diffusion)
(Aluminum)

ZIMMER, Karoly; TOROK, Tibor

Influence of the electric parameters of the discharge circle on the discharge and evaluating curve of magnesium. Magy kem folyoir 65 no. 12:478-481 '59.

1. Eotvos Lorand Tudomanyegyetem Szervetlen es Analitikai Kemiai Intezete es Csepel Vas-es Femmuvek Anyagvizsgalo Osztalya, Budapest.

TOROK, Tibor

"Spectrator", the semiautomatic complete evaluating device and its application in spectrum analysis. Magy kem folyoir 65 no. 12:482-486 '59.

1. Eotvos Lorand Tudomanyegyetem Szervetlen es Analitikai Kemiai Intezete es Csepel Vas-es Femmuvek Anyagvizsgalo Osztalya, Budapest.

ZIMMER,Karoly (Budapest); TOROK, Tibor, dr (Budapest)

Dataon the sparking-off effect. III-IV. Acta chemica Hung 22 no.3: 255-273 '60. (EEAI 9:11)

1. Institute of Inorganic and Analytical Chemistry, Lorand Eotvos University, Budapest (for Zimmer). 2. Department for Material Investigation, Csepe Iron and Metal Works, Budapest (for Torok). Vorgelegt von E.Schulek.

(Electric spark) (Argon) (Magnesium) (Air)
(Zinc) (Iron) (Silicon) (Manganese)

TORÖK, T.

4E2c
4E3d

Background correction and interpretation with a projection graph for spectral analysis. Tibor Török, Marta Kovacs, and Sarolta Kerekes (Lorand Eötvös Univ., Budapest, Hung.). *Z. anal. Chem.* 185, 241–7(1959).—A graphical procedure based on optical projections is described for measuring the background correction and for obtaining concn. values directly from intensity measurements in emission spectroscopy. The procedure is evaluated by using the detn. of Tl and Zn in cast Al and Mo in steel. K. G-G.

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TOROK, T.

SCIENCE

PERIODICALS: ~~ACTA HOCLANICA, Vol. 64, No. 7/8, July/Aug. 1958~~
MAGYAR KEMIAI FOLYOIRAT, Vol. 64, no. 7/8, July/Aug. 1958

Torok, T. A new Hungarian spectroscope for testing material. p. 236.

Monthly list of East European Accessions (EEAI) LC, Vol. 8, No. 2, February 1959, Unclass.

Török, T.

1959
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6

Spectroscopic determination of boron in aluminum. B. Veszprémy and T. Török (Csepel Iron and Metal Works, Budapest). *Acta Chim. Acad. Sci. Hung.* 19, 357–61 (1959)(in German).—Traces of B (0.01–0.50%) in Al alloys are detd. spectroscopically by using the method of soln. analysis according to Scheibe-Rivas (*C.A.* 30, 6302[1]) with spark excitation. The pair of lines B 2497.72/Al 2367.98 is employed; the mean quadratic error is ±3.8%. Routine analysis is carried out with these samples, and the samples are employed as secondary standards in the electrode technique at low-voltage excitation, with the pair of lines B 2497.72/Al 2459.82. The mean quadratic error is ±5.7%. To eliminate interference from an Fe line overlapping that of B, a selected control line of Fe (2486.35) is used, applying the method of background correction. D. ~~A. Rv~~

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1/1

TORÓK, T.

5

Displacement of the calibration curves through defocussing of the Littrow spectrograph. T. Török and A. Petho (L. Eötvös Univ., Budapest). *Z. angew. Phys.* 55, 110–14 (1959).—Calibration curves used in evaluating concns. in routine spectrographic analysis must be rechecked from time to time. The new and the old calibration curve are often displaced, running parallel to each other. Fluctuations in the light intensity, differences in the photographic material are among other reasons for the explanation of the phenomenon observed. Defocussing of the spectrograph is also important. The sharpness of the reference lines of a Littrow instrument is not const. Owing to temp. variations, changes of the metal parts occur resulting in a decrease in line sharpness. Model expts. performed with calibration curves for the detn. of Si, Cu, and Fe in an Al alloy showed that through displacement the results for Si were 7% too low. For Cu and Fe the error was 10–11%. The difference in the magnitude of the error is explainable through the ratio of the intensity and profile of the particular element line and the reference line. Ernst M. Goldstein

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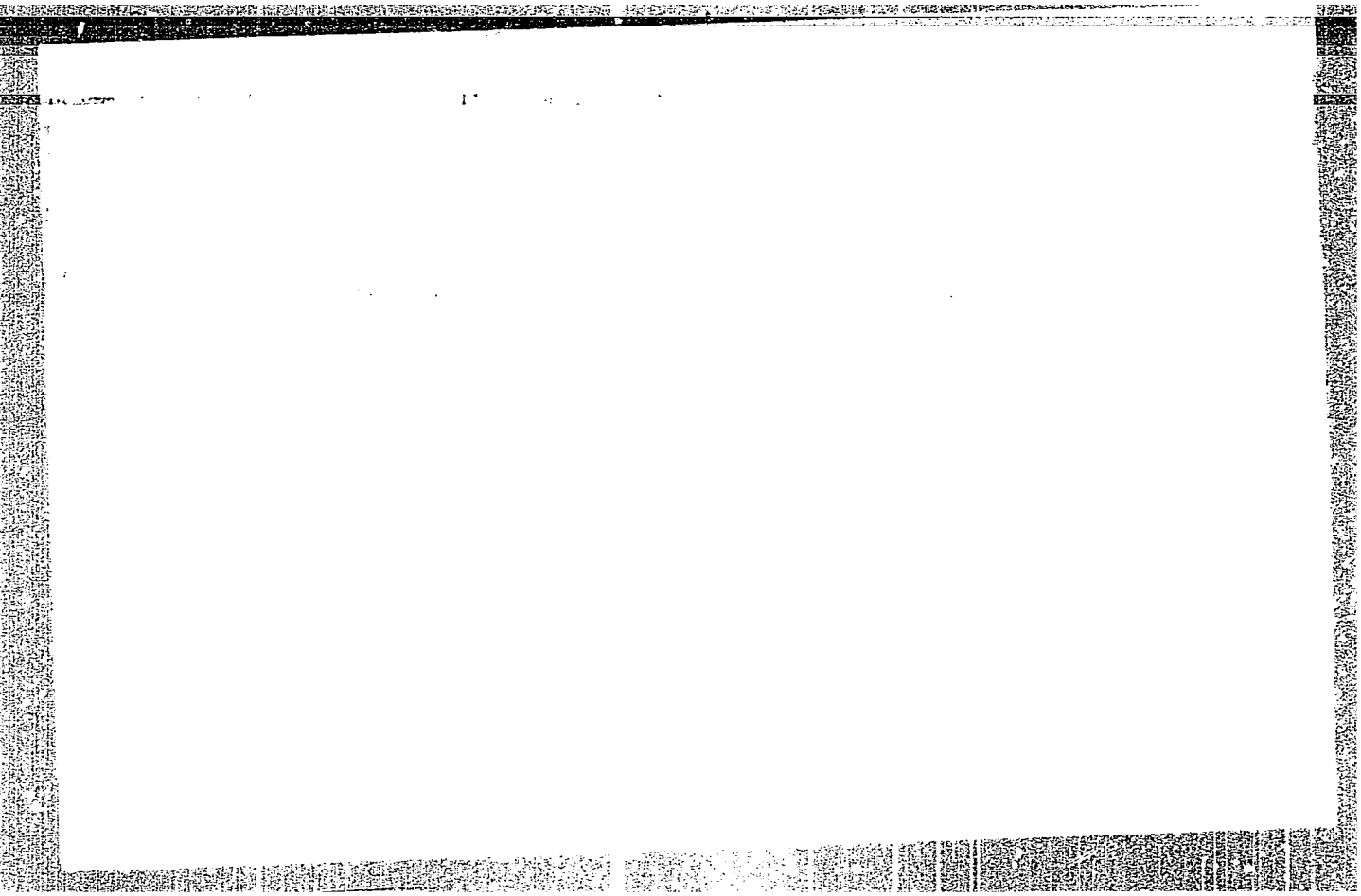

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Torok, T.

H.

HUNGARY/Fitting Out of Laboratories. Instruments,
Their Theory, Construction and Use

Abs Jour : Referat Zhur - Khimiya, No 2, 1957, 4897

Author : Torok, T.
Inst : Hungarian Academy of Sciences
Title : Darkening Converter for Spectral Analysis

Orig Pub : Acta chim. Acad. sci. hung., 1956, 8, No 4, 373-382

Abstract : Conversion in accordance with Seidel formula involves considerable expenditure of time. The author proposes a conversion device, that can be readily made, for rapid conversion of darkening values. The advantage of this instrument is its low error which amounts to only ± 0.001 of the darkening value. The device comprises four scales: darkening values scale -- S, optical density -- D, conversion scale P and a scale K, upon which, by parallel shifting of P and S, is plotted the value of γk (conversion coefficient). Scale P

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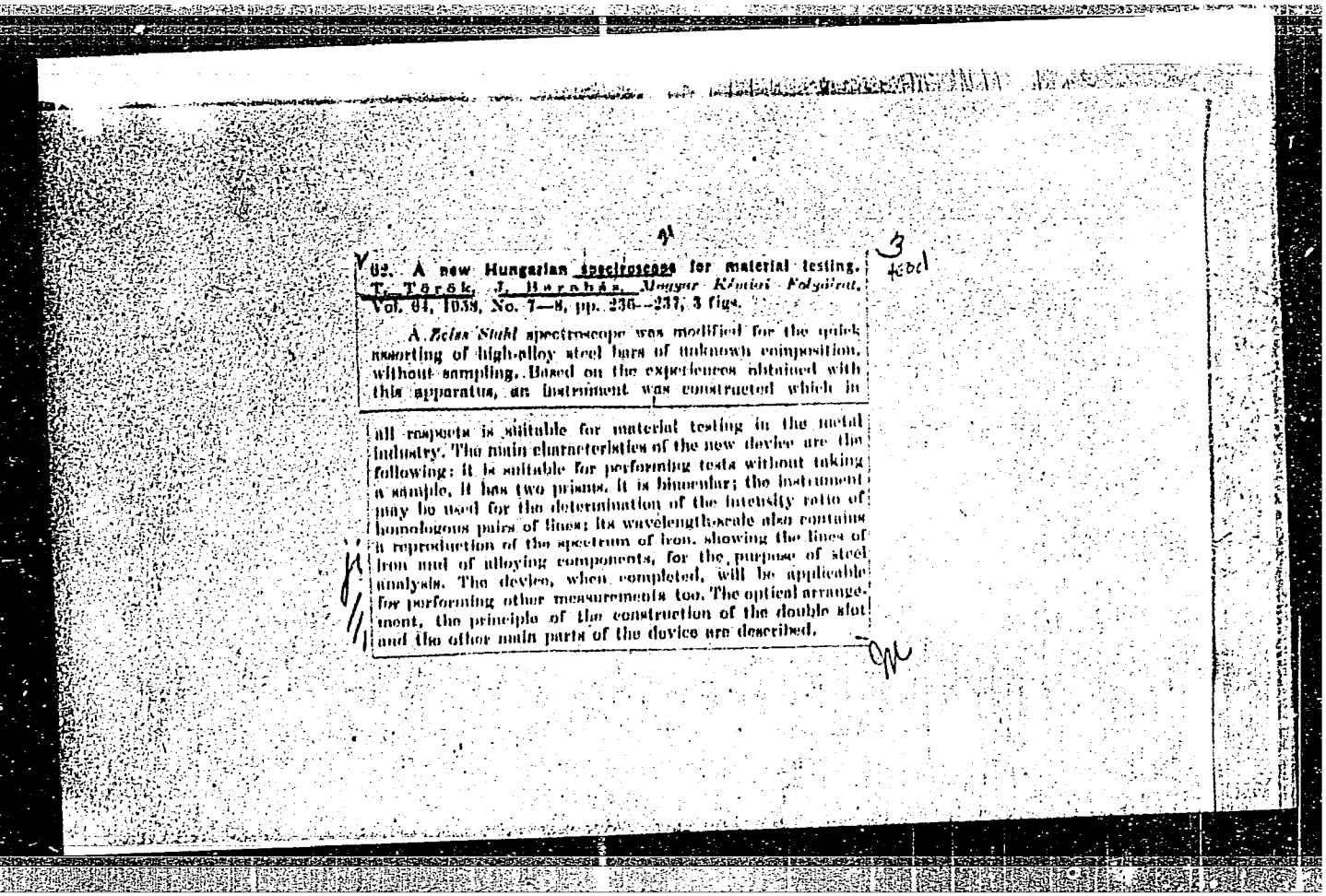
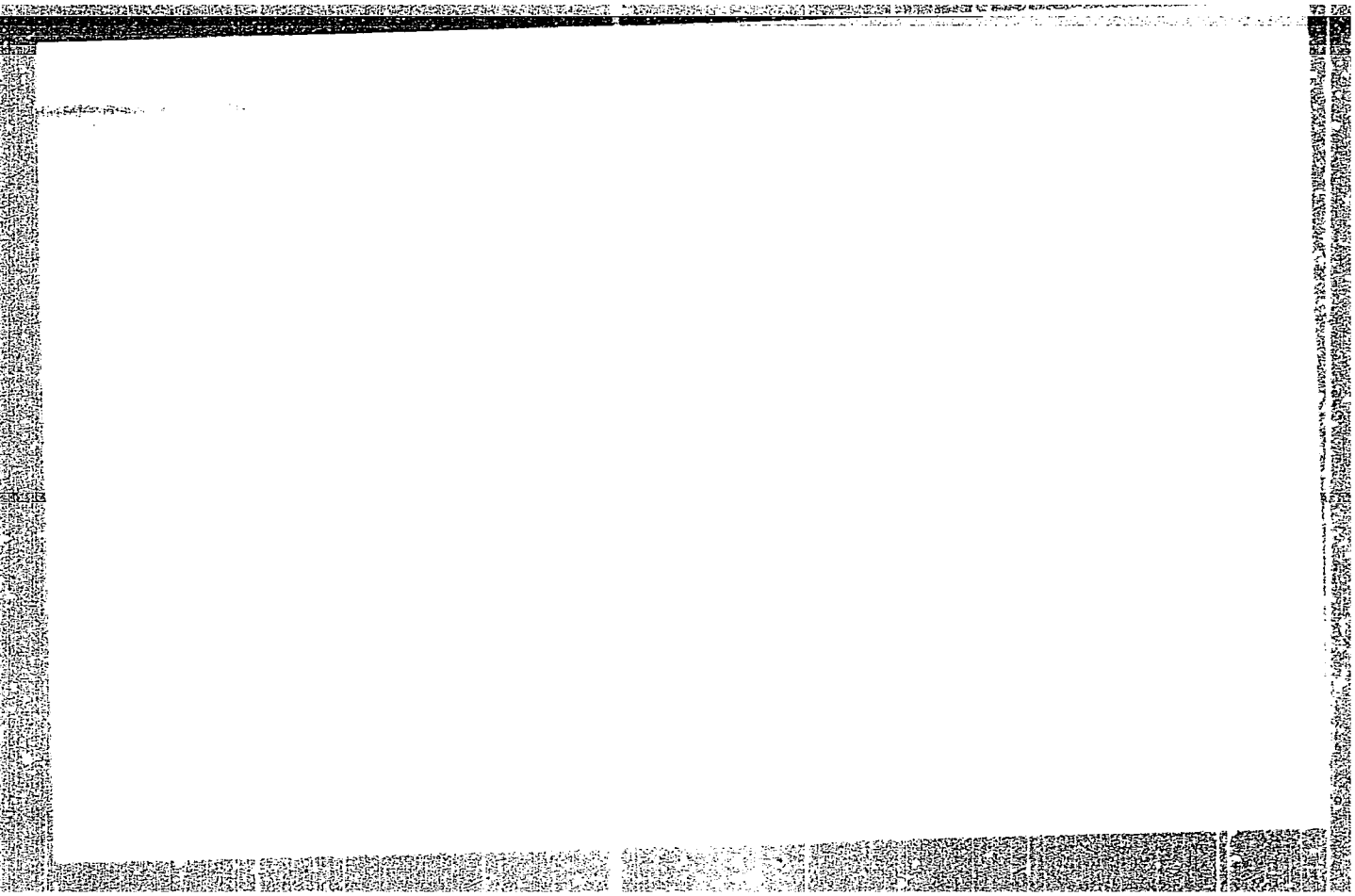
Abs Jour : Referat Zhur - Khimiya, No 2, 1957, 4897

consists of two halves that can be shifted in relation to each other. By using a projection straightedge, one end of which is fastened at the zero point of rotation, it is possible to determine directly the value of P from the known values of S and ∂C. The device can also be used for a rapid and direct determination of P, lg I, lg I_1/I_2 on the basis of S values, even in the case when the lines are in different regions of the spectrum. On provision of the instrument with a lg C scale a direct determination of the concentration is possible.



62. A new Hungarian spectroscope for material testing. T. Török, J. Berghás. *Magyar Kémiai Folyóirat*, Vol. 64, 1958, No. 7—8, pp. 236—237, 3 figs.

A *Zeiss Stahl* spectroscope was modified for the quick assorting of high-alloy steel bars of unknown composition, without sampling. Based on the experiences obtained with this apparatus, an instrument was constructed which in all respects is suitable for material testing in the metal industry. The main characteristics of the new device are the following: it is suitable for performing tests without taking a sample, it has two prisms, it is binocular; the instrument may be used for the determination of the intensity ratio of homologous pairs of lines; its wavelength-scale also contains a reproduction of the spectrum of iron, showing the lines of iron and of alloying components, for the purpose of steel analysis. The device, when completed, will be applicable for performing other measurements too. The optical arrangement, the principle of the construction of the double slot and the other main parts of the device are described.



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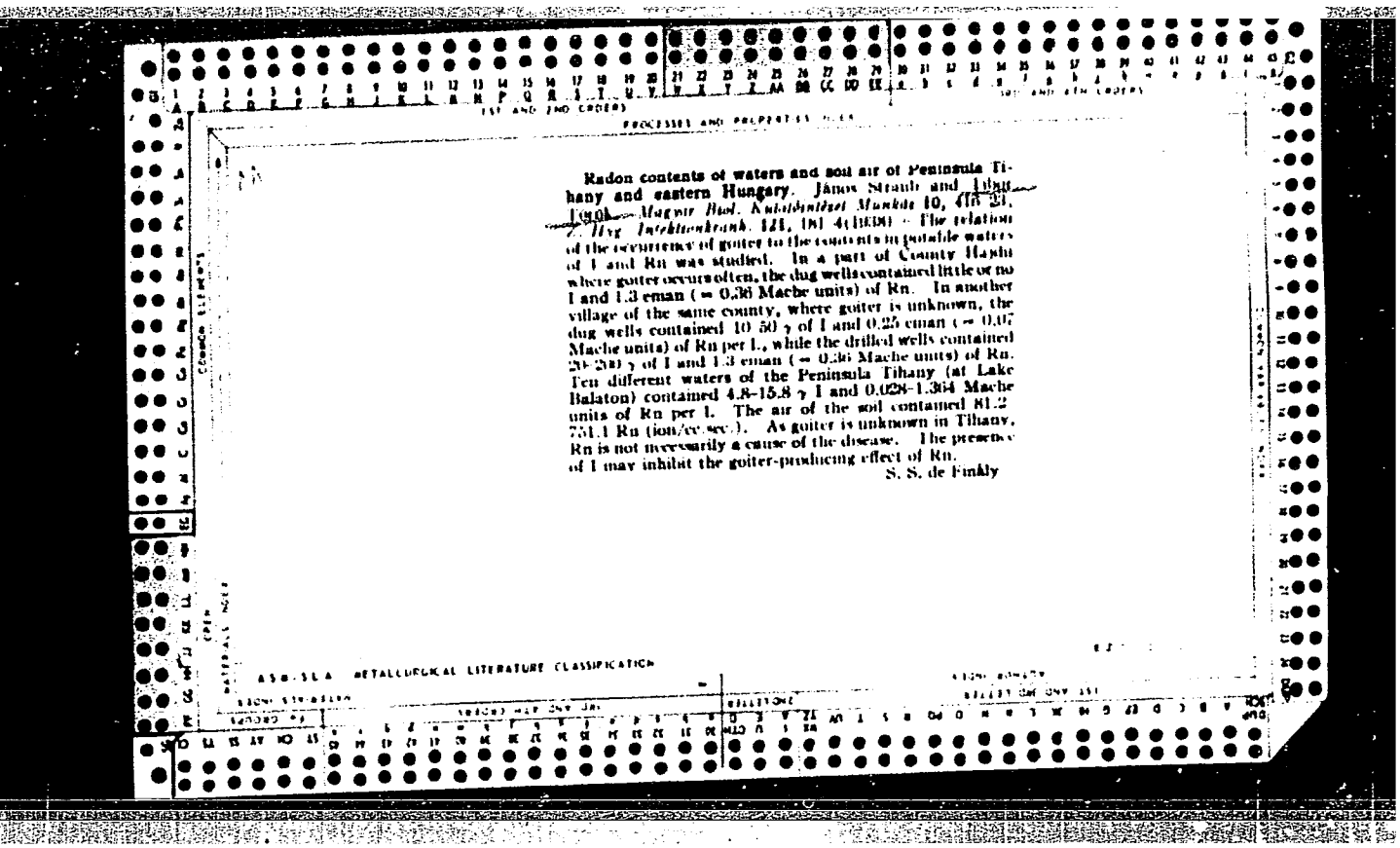

Radon contents of waters and soil air of Peninsula Tihany and eastern Hungary. János Straub and Ilona [illegible]. *Magyar Biol. Kutatóintézet Munkái* 10, 418-21. [illegible]. *Z. Hyg. Infektionskrankh.* 121, 181-4(1939). — The relation of the occurrence of goiter to the contents in potable waters of I and Rn was studied. In a part of County Hajdu where goiter occurs often, the dug wells contained little or no I and 1.3 eman (= 0.36 Mache units) of Rn. In another village of the same county, where goiter is unknown, the dug wells contained 10-50 γ of I and 0.25 eman (= 0.07 Mache units) of Rn per l., while the drilled wells contained 20-200 γ of I and 1.3 eman (= 0.36 Mache units) of Rn. Ten different waters of the Peninsula Tihany (at Lake Balaton) contained 4.8-15.8 γ I and 0.028-1.364 Mache units of Rn per l. The air of the soil contained 81.2-751.1 Rn (ion/cc.sec.). As goiter is unknown in Tihany, Rn is not necessarily a cause of the disease. The presence of I may inhibit the goiter-producing effect of Rn.

S. S. de Finály

SOV/32-25-3-45/62

5(1), 18(7)

AUTHORS: Török Tibor, Barcsa János

TITLE: A Spectroscope for Sorting Steel (Spektroskop dlya rassortirovki stali)

PERIODICAL: Zavodskaya Laboratoriya, 1959, Vol 25, Nr 3, pp 364-365 (USSR)

ABSTRACT: A series of Soviet publications with respect to the use of styloscopes for production checks (Ref 1) is given as an editor's note to the article. A new spectral apparatus was developed which makes possible the quick sorting of high quality steel bars and also allows to carry out analyses without the necessity of using specially prepared samples. A spectral system with two prisms is used, and in this way a better dispersion and sharper separation are achieved. Provision is made for an adaptation by which it can be used for flame-photometric and spectrophotometric measurements. The data of the optical system (Fig 1) are as follows: focal distance of the collimator 270 mm, light intensity - 1:8, focal distance of the objective of the inspection tube 450 mm, light intensity - 1:10, focal distance of eyepiece lenses 16 mm, length of the visible spectrum from 4000 to 7500 Å =71 mm. The collimator and inspection tube are parallel so that the

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A Spectroscope for Sorting Steel SOV/32-25-3-45/62

length of the spectroscope is reduced to half of its normal length. An illustration of the apparatus (Fig 2) with a description is also given. There are 2 figures and 1 Soviet reference.

ASSOCIATION: Universitet im. Loranta Etvesha i kombinat "Chepel'", Budapesht (Lorant Eötvös University and the Combine "Csepel", Budapest)

Card 2/2

TOROK, T.

high-voltage excitation. The slope of the [illegible] is independent [illegible] the quantity of minor alloying con- [illegible] in blackening value is lower and the [illegible] By diminishing the spark [illegible]

TOROK, T.

Distr: 4E2c

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1-MJC (WO)
1

Effect of electrical parameters on the spark and evaluation curves of magnesium. Károly Zimmer and Tibor Torok. *Magyar Kém. Folyóirat* 55, 478-81(1950).—The relation between spark curves of Mg and Al, using Al alloys of low Mg content, and parameter changes in the discharge circuit are shown graphically in detail. Increase of condenser capacity reduces the darkening redn. of the Mg line at low Mg content but increases it at higher Mg concn. In the absence of self-induction, darkening of Al lines during sparking increases but decreases when self-induction is applied.
J. S. Cook

TOROK, T.

HUNGARY/Optics - Instruments of Optical Analysis K-9

Abs Jour : Ref Zhur - Fizika, No 3, 1958, No 7259

Author : Torok, T.
Inst : L. Eotvos University and Csepel Iron and Metal Works, Budapest, Hungary
Title : Apparatus for Performing Calculations in Spectral Analysis

Orig Pub : Acta chim. Acad. sci. hung., 1957, 10, No 4, 357-367

Abstract : Description of apparatus for finding the concentrations of the analyzed elements from data of photometric determination of spectra during the performance of the analysis by the three-line variant of the method (Scheibe G., Schnetter O. Naturwiss, 1930, 18, 753; 1930, 19, 134) using the P-transformation of the characteristic curve of the photographic emulsion. The apparatus consists of a nomograph, a computation board with two rules, and a projection rule.

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