

GREGORCIC Milan, Dr.

JURETIC, Miro, Dr.; GREGORCIC, Milan, Dr.

Benign lymphoreticulosis or cat-scratch disease. Lijec. vjes. 79 no.3-4:
147-151 Mar-Apr 57.

1. Iz Medicinskog centre, JHM u Splitu.
(CAT-SCRATCH DISEASE, in inf. & child (Ser))

STANOSEK, Jozef; GREGORCZYK, Janusz; LEWANDOWSKA-TOKARZ, Anna

Biochemical changes in guinea pigs under the influence of large doses of hydrocortisone. I. Effect on serum proteins and protein fraction level and on the relative weight of the liver in guinea pigs. *Endocr. Pol.* 16 no.1:89-96 Ja-F'65

1. Katedra i Zakład Chemii Fizjologicznej Śląskiej Akademii Medycznej w Zabrzę-Rokitniczy (Kierownik: prof. dr. S. Jozkiewicz).

GREGORCZYK, Janusz; LEWANDOWSKA-TOKARZ, Anna; STANOSEK, Jozef; GLAB,
Maria.

Studies on acoustic stress with the effect of simultaneous horizontal mechanical low-frequency vibrator on biochemical changes in guinea pigs. Med. pracy 16 no.2:124-129 '65.

1. Z Katedry i Zakladu Chemii Fizjologicznej Slaskiej Akademii Medycznej w Zabrze-Rokitnicy (Kierownik: prof. dr. S. Jozkiewicz).

GRDJORCZYK, Janusz; STANOSEK, Jozef; LEWANDOWSKA-TOKARZ, Anna

Biochemical changes in guinea pigs treated with large doses of hydrocortisone. II. Effect on the activity of alanine aminotransferase and aspartate aminotransferase in the blood serum and in the liver and of gamma-glutamyl transpeptidase in the blood serum. Endokr. Pol. 16 no.2:189-194 Mr-Apr'65.

1. Katedra i Zaklad Chemii Fizjologicznej Slaskiej Akademii Medycznej w Zabrze-Rokitnicy (Kierownik: prof. dr. S. Jozkiewicz).

LEWANDOWSKA-TOKARZ, Anna; GREGORCZYK, Janusz; STANISZEK, Jozef;
DUJANOWICZ, Anna

Examination of the effect of prolonged low frequency vertical vibration on biochemical disorders in guinea pigs. II. Effect on the level of total lipids, cholesterol and phospholipids in the blood serum and on the ascorbic acid level in the adrenal glands. Med. dozw. microbiol. 17 no.1:71-75 '65.

1. Z Katedry i Zakladu Chemii Fizjologicznej Slaskiej Akademii Medycznej w Zabrze-Rokitnicy (Kierownik: prof. dr. S. Jozkiewicz).

~~10734-66~~ EWT(1)/FS(v)-3 DD

ACC NR: AP5027166

SOURCE CODE: FO/0056/65/016/005/C701/0708

AUTHOR: ~~Gregorzcyk, J. -- Gregorchik, Ya.; Lewandowska-Tokarz -- Levandovska-Tokazh;~~
~~Stanosek, J. -- Stanosek, Yu.; Hepa, J. -- Gepa, I.~~

ORG: Institute of Physiological Chemistry, Silesia AM, Zabrze-Rokitnica (Zaklad
Chemii Fizjologicznej Sl. AM)

TITLE: The effects of physical work and work under conditions of noise and vibration
on the human organism. I. Behavior of serum alkaline phosphatase, aldolase, and
lactic dehydrogenase activities

SOURCE: Acta physiologica polonica, v. 16, no. 5, 1965, 701-708

TOPIC TAGS: human physiology, working condition, man, medical experiment, biologic
vibration effect, noise effect

ABSTRACT: An experiment was performed on 62 workers employed in a large industrial
establishment in Silesia to study the effects of stress on the human body. Of these,
37 worked under stress of noise, vibration, and dust, and the remaining 25 worked
without noise or vibration. All the workers were in good health prior to the ex-
periment. Evaluation of the results obtained showed that there was a statistically
significant increase in the activities of serum aldolase and lactic dehydrogenase in
workers subjected to stress. The serum alkaline phosphatase showed a decrease in the

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L 10734-66

ACC NR: AP5027166

activity of this enzyme. It is assumed that the stress factors studied produce changes in the sugar metabolism of the body. Orig. art. has: 4 tables. d

[08]

SUB CODE: 06 SUBM DATE: 09Dec64/ OTH REF: 019/ ATD PRESS: 4/66

OC

Card 2/2

L 10465-66 EWT(1)/FS(v)-3 DD

ACC NR: AP5027187

SOURCE CODE: PO/0056/65/016/005/0709/0714

32
B

AUTHOR: Gregorzcyk, J. - Gregorchik, Ya. (Member of physiological chemistry dept.); Lewandowska-Tokarz, A. - Levandovska-Tokazh, A. (Member of physiological chemistry dept.); Stanosek, J. - Stanosek, Ya. (Member of physiological chemistry dept.); Glab, M. - Glomb, M. (Member of physiological chemistry dept.)

ORG: Department and Institute of Physiological Chemistry, Silesia AM, Zabrze-Rokitnica (Katedra i Zaklad Chemii Fizjologicznej Sl. AM)

TITLE: The effects of physical work and work under conditions of ²noise and ²vibration on the human organism. II. Behavior of aspartic and alanine aminotransferase, Gamma-glutamyl transpeptidase, lactic dehydrogenase, and L-itytol dehydrogenase activities

SOURCE: Acta physiologica polonica, v. 16, no. 5, 1965, 709-714

TOPIC TAGS: human physiology, working condition, man, medical experiment, biologic vibration effect, noise effect

ABSTRACT: An experiment was performed on 49 workers employed in a large industrial establishment in Silesia to study the effects of stress on the human body. Of these, 25 worked under stress of noise, vibration, and dust, and the remaining 24 were employed as designers working without noise or vibration. A statistical evaluation of the results showed a 26% increase in the activity of aspartic transaminase and a statistically significant decrease

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2

L 10465-66

ACC NR: AP5027167

in the activity of lactic dehydrogenase (-36%) in the workers subjected to stress. The increase in transaminases is considered as a possible increase in the transamination process in workers subjected to stress. Orig. art. has: 1 table. [08]

SUB CODE: 06 / SUBM DATE: 29Dec64 / OTH REF: 017 / ATD PRESS: 4167

HW
Card 2/2

LEWANDOWSKA-TOKARZ, Anna; GREGORCZYK, Janusz; STANCOSEK, Jozef;
DUJANOWICZ, Anna

Studies on the acoustic stress action with simultaneous action
of horizontal mechanical vibration of lower frequencies on bio-
chemical changes in guinea pigs. Pt.2. Med. pracy 16 no.4:278-282
'65.

1. Z Katedry i Zakladu Chemii Fizjologicznej Slaskej AM w Zabrze-
Rokitnicy (Kierownik: prof. dr. S. Jozkiewicz).

GREGORCZYK, Karol (Zabrze, ul. 3 Maja, I. Klinika Chorob Wewnetrznych A.M.)

Interpretation of the picture of bundle of His left branch block in esophageal leads. Polskie arch. med. wewnetrz. 23 no.5:643-647 1953.

1. Z I Kliniki Chorob Wewnetrznych Slaskiej Akademii Lekarskiej w Zabrzu. Kierownik: prof. dr Josef Japa.

(HEART BLOCK, manifestations,

*MCO, esophageal leads in bundle of His left branch block)

(ELECTROCARDIOGRAPHY, in various diseases,

*heart block, esophageal leads in bundle of His left branch block)

GREGORCZYK, Karol

**Electrocardiography in aged. Polski tygod. lek. 9 no.37:1186-1189
13 Sept 54.**

**1. Z I Kliniki Chorob Wewnetrznych Slaskiej Akademii Medycznej w
Zabrsu, kierownik: prof. dr Josef Japa
(AGED, physiology,
EKG)
(ELECTROCARDIOGRAPHY,
in aged)**

GREGORCZYK, Karol

Normal and post-infarction ventricular complex of esophageal leads and its diagnostic value in infarction of the posterior and diaphragmatic cardiac walls. *Polskie arch.med.wewn.* 24 no.5:753-766 1954.

1. Z I Kliniki Chorob Wewnętrznych Śląskiej Akademii Lekarskiej w Zabrsu. Kierownik: prof. dr med. J. Japa.

(MYOCARDIAL INFARCT, diagnosis,

ECG in posterior & diaphragmatic cardiac walls)

(ELECTROCARDIOGRAPHY, in various diseases,

myocardial infarct of posterior & diaphragmatic cardiac walls)

GREGORCZYK, Karol; PIOTROWSKI, Zygmunt

Normal electrocardiogram in childhood. *Pediat. polska* 29 no.11:
1097-1107 Nov 54.

1. Z I kliniki chorob wewnetrznej Slaskiej Akademii Medycznej
w Zabrze. Kierownik: prof. dr. med. Japa J.
(ELECTROCARDIOGRAPHY
normal in child.)

GREGORCZYK, Karol.;KARDASZEWICZ, Siefania.

Normal electrocardiogram in pregnancy and puerperium. Polski tygod.
le. 12 no.29:1113-1117 15 July 57.

1. Z I Kliniki Chorob Wewnętrznych Śląskiej Akademii Medycznej;
kierownik: prof. dr. Jozef Japa. Adres: Zabrze, ul. 3-go Maja 13.

(PREGNANCY, physiology

ECG (Pol))

(PUERPERIUM, physiology,

same)

(ELECTROCARDIOGRAPHY,

in pregn. & puerperium (Pol))

GREGORCZYK, Karol; FORSMY, Zbigniew; NORSKI, Stefan; KARDASZEWICZ, Stefania

Three cases of perforation of the intraventricular septum in the course of myocardial infarct diagnosed during life. Polskie tygod. lek. 12 no.44: 1696-1699 4 Nov 57.

1. Z I Kliniki Chorob Wewnętrznych Śląskiej Akademii Medycznej w Zabrze; kierownik: prof. Jozef Japa. Adres: Zabrze, ul. 3 Maja 13. I Klinika Chorob Wewnętrznych Sl. A.M.

(MYOCARDIAL INFARCT, compl.

perf. of intraventric. septum (Pol))

(CARDIAC SEPTUM, perf.

intraventric., in case of myocardial infarct (Pol))

GREGORCZYK, Karol
GREGORCZYK, Karol (Zabrze, ul. 3 I Klinika Chorob Wewn.)

Q3, QVF & Q deviation in low esophageal leads in the diagnosis of necrosis of the posterior myocardium. Polskie arch. med. wewn. 27 no.6:773-791 1957.

1. Z I Kliniki Chorob Wewnętrznych Śląskiej A. M. kierownik: prof. dr med J. Japa.

(MYOCARDIAL INFARCT, diag.

ECG using low esophageal leads, Q3, QVF & Q variations (Pol))

(ELECTROCARDIOGRAPHY, in various dis.

myocardial infarct, Q3, QVF & Q variations, diag. value (Pol))

GASINSKI, Jozef; GREGORCZYK, Karol

Ligation of the internal mammary arteries in the treatment of coronary disease. Polski tygod. lek. 14 no.22:993-996 1 June 59.

1. (Z II Kliniki Chirurgicznej Sl. A. M. w Zabrze; kierownik: prof. dr Jozef Gasinski i z I Kliniki Chorob Wewnetrznych Sl. A. M.; kierownik: prof. dr Jozef Japa) Otrzymano: 28.I.1959; adres: Zabrze, ul. 3 Maja 13/15 II Klin. Chirurg. A.M.

(CORONARY DISEASES, surg.

ligation of internal mammary arteries (Pol))

(ARTERIES, SUBCLAVIAN, surg.

ligation of internal mammary arteries in coronary dis. (Pol))

GREGORCZYK, Karol; NORSKI, Stefan

Two cases of Looser-Milkman's syndrome with achylia gastrica and anemia. Polski tygod. lek. 14 no.42:1870-1871 19 Oct 59.

1. (Z I Kliniki Chorob Wewnętrznych Sl. A. M. w Zabrze; kierownik: prof. dr Jozef Japa)

(BOHE DISEASES, compl.) (ANEMIA, compl.)

(ACHYLIA GASTRICA, compl.)

GREGORCZYK, K.

319 deaths following 1st myocardial infarct. Kardiol. Pol. 5 no.1:
27-32 '62.

1. Z I Kliniki Chorob Wewnętrznych Śląskiej AM Kierownik: prof.
dr J. Japa.

(MYOCARDIAL INFARCT statist)

POLAND

GREGORCZYK, Karol, KARDASZEWICZ, Ewa, and GASINSKI, Jozef;
First Clinic of Internal Diseases (I Klinika Chorob Wewnetrz-
nych) (Director: Prof. Dr. J. JAPA) and Second Surgical Clinic
(II Klinika Chirurgiczna) (Director: Prof. Dr. J. GASINSKI),
Sl.AM [Slaska Akademia Medyczna, Silesian Medical Academy] in
Katowice

"Tumor of Small Intestine Causing Hemorrhages in Patient with
Cirrhosis of Liver. Case Report."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 30, 22 Jul 63,
pp 1107-1108

Abstract: [Authors' English summary] Authors discuss the dif-
ficulties in the diagnosis of tumors of the small intestine,
and report a case of patient with congenital heart defect and
liver cirrhosis, where severe massive bleedings from the
gastro-intestinal tract were caused by a tumor of the small-
intestine. After successful surgical removal of the tumor
(leiomyoma), hemorrhages from the lower part of the small in-
testine ceased. There are 13 references, of which three (3)
are in English and ten (10) in Polish.

1/1

GREGORCZYK, K.; MUZ, J.

Role of premature ventricular beats in the diagnosis of focal lesions of the heart. Kardiol. Pol. 7 no.2:97-102 '64.

1. Z 1 Kliniki Chorob Wewnętrznych Pomorskiej Akademii Medycznej (Kierownik: doc. dr K. Gregorczyk).

GREGORCZYK, K.; SEMATLOCH, E.

(Selected clinical problems in 763 cases of myocardial infarction.
Kardiol. Pol. 7 no.4:265-268 '64

1. Z I Kliniki Chorob Wewnętrznych Śląskiej Akademii Medycznej
w Katowicach (Kierownik: prof. dr. J. Japa) i z I Kliniki Chorob
Wewnętrznych Pomorskiej Akademii Medycznej w Szczecinie (Kie-
rownik: doc. dr. K. Gregorczyk).

GREGORCZYK, Karol; CHRISTIAN, Ryszard

P loop in vectorcardiography with an esophageal electrode.
Pol. arch. med. wewnet. 34 no.7:853-856 '64.

1. I Klinika Chorob Wewnętrznych Pomorskiej Akademii Medycznej
(Kierownik: doc. dr. med. K. Gregorczyk).

ADAMCZYK, Roman; CZOPIK, J.; GRZBIELA, J.; HRECZECHA, M.; GREGORCZYK, K.;
MATULEWICZ, S.

Angiography of the coronary arteries. Pol. przegl. radiol. 29
no.4:401-407 J1-Ag '65.

1. Z II Kliniki Chirurgicznej Slaskiej AM (Kierownik: prof. dr.
J. Gasinski), z Zakladu Radiologii Slaskiej AM (Kierownik: doc.
dr. med. B. Romanowski) i z Kliniki Chorob Wewnetrznych Slaskiej
AM (Kierownik: prof. dr. med. J. Japa).

Gregorzek S. Determination, by Photometric Method, of the Manganese, Chromium, Tungsten, Nickel, Vanadium, Molybdenum, Cobalt and Copper Content in a Single Batch of Steel.

Oznaczenie manganu, chromu, wolframu, niklu, wanadu, molibdenu, kobaltu i miedzi w stali z jednej odważki metodą fotometryczną. Międzyn. No. 4, 1953, pp. 140-145, 3 figs.

Description of a method consisting in dissolving the sample in a mixture of sulphuric phosphorous acid, followed by oxidation in nitric acid and the determination, by photometric method of the manganese, chromium, tungsten, nickel, vanadium, molybdenum, cobalt and copper content in a part of the solution. The photometric method is, in the case of mass and serial analysis, more accurate, much quicker and less expensive than any weight or volumetric method.

GREGORCZYK, S.

Analytical errors and organization of control in steel mill chemical laboratory. S. Gregorczyk (Balidon Steel Mill, Katowice, Poland). *Hutnik* 26, 193-8 (1980).—The sources of errors in anal. detns. were described, and possibility of getting them under control was discussed. Statistical studies of detns. of steel components were made. The following sources of anal. errors in decreasing order were specified: disregarding of anal. instructions, carelessness in performing the work, defective work organization, unreliable checking and calibration of app., unsatisfactory cleanliness during the work, and mistakes in calcul. and mishandling of results. The errors in anal. detns. examd. in the light of subjective factors showed that the most exact and reproducible results were made by personnel with suitable tech. education and many years experience. W. Tomaszewski

GREGORCZYK, Stanislaw(Baildonhutte, Katowice, Poland); LUBOJANSKI, J.
(Baildonhutte, Katowice, Poland)

-~~Quick~~ method for determination of the basicity of open-hearth slags.
Acta chimica Hung 28 no.1/3:193-197 '61.

(EEAI 10:9)

(Open-hearth process) (Slag)

GREGORCZYK, Stanislaw

Self-made standards for the spectrometric analysis of steel. Chem anal
7 no.2:333-341 '62

1. Baildon Steel Works, Katowice.

S/081/63/000/002/021/088
B166/B138

AUTHORS: Gregorczyk, Stanisław, Gaudnik, Janusz

TITLE: The use of a quantometer for analyses in the analytical laboratory of the Baildon Metallurgical Works

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 2, 1963, 145-146, abstract 2D5 (Chem. analit. (Polska), v. 7, no. 2, 1962, 343-348 [Pol.])

TEXT: The article discusses experience in the use of a quantometer manufactured by ARL in the analytical laboratory of a metallurgical works. 1,000 analyses per shift (120 specimens) can be made with satisfactory accuracy. The quantometer cannot be used for analyzing slags and a number of other products since it has not been programmed for these purposes by the manufacturer. The quantometer does not determine C, P or S. [Abstracter's note: Complete translation.]

Card 1/1

GREGORCZYK, Stanislaw, mgr

Determination of phosphorus in steel by means of a quick photometric method.
Hutnik P 29 no.10:369-371 0 '62.

1. Kierownik Laboratorium Chemicznego, Huta Baildon.

GREGORCZYK, Stanislaw, mgr.; GAUDIK, Janusz, mgr.

Quick spectrographic determination of various metals in moderately alloyed steels in the plant laboratory. Acta chimica Hung 30 no.3:301-305 '62.

1. Chemisches Laboratorium von Huta Baildon, Katowice, Polen. Authors' address: Huta Baildon, Katowice ul. Zelazna 9, Poland.

GREGORCZYK, Stanislaw, mgr

Application of the quantometer in metallurgical laboratories.
Wiad hut 18 no.10:309-312 0 '62.

GREGORCZYK, Stanislaw, mgr

Application of the spectrographic method to mass serial
designation of phosphorus in steel. Hutnik P 30 no.12:
399-401 D '63.

1. Huta Baildon, Katowice.

GREGORCZYK, Stanislaw, mgr.

Speedy methods of spectral analysis of slags from open-hearth
and electric furnaces. Hutnik P 31 no.1/2:35-38 Ja-F'64

1. Baildon Steel Works, Katowice.

POLAND/Inorganic Chemistry. Complex Compounds.

C

Abs Jour: Ref Zhur-Khin., No 24, 1958, 80977.

Author : Gregorczyk Z.

Inst

Title : Determination of Coordinating Numbers of the Ascorbic Acid Complexes Having UO_2^{2+} and TiO^{2+} Ions.

Orig Pub: Acta polon. pharmac., 1958, 15, No 2, 129-140.

Abstract: By the method of isomolar series, ratios of equilibrium shifting and coordinating numbers of the ascorbic acid complexes containing UO_2^{2+} and TiO^{2+} ions were determined. It has been established that coordinating numbers of the investigated complexes are equal to 1. For the

Card : 1/2

ZOLIA GREGORCZYK

Distr: /E2c(j)

Determination of dissociation constants of the complexes
 formed by ascorbic acid with TiO^{++} or UO_2^{++} ions. Zolia
 Gregorczyk (Akad. Med. Wroclaw, Poland). *Acta Polon.
 Pharm.* ~~45~~, 333-42 (1958) (English summary).—Dissoen.
 const. detd. by 3 different optical methods are: for com-
 plexes of ascorbic acid (I) and TiO^{++} ions $k_{a1} = 0.58 \times$
 10^{-4} and $k_{a2} = 5.5 \times 10^{-3}$, and for complexes of I and
 UO_2^{++} ions $k_a = 1.30 \times 10^{-4}$. Molar absorption coeffs.
 measured for both complexes at 465 m μ are: 1.34×10^{-4}
 and 3.92×10^{-4} , resp. J. Lango

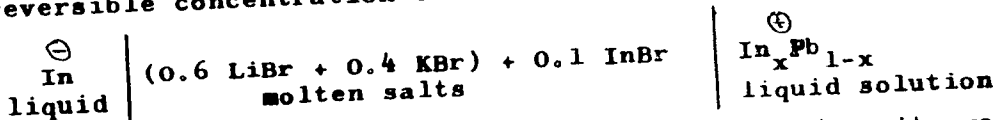
3
2 May

JL

18.7530

30577
P/038/61/006/003/002/003
E071/E180

AUTHORS: Terpilowski, Janusz., and Gregorczyk, Zofia.
TITLE: Thermodynamic properties of liquid metallic solutions
PERIODICAL: Archivum hutnictwa, v.6, no.3, 1961, 197-204
TEXT: Thermodynamic properties of liquid indium-lead alloys were investigated by measuring the electromotive forces in reversible concentration cells of the following types:



Spectroscopically pure indium, and lead of 99.99% purity were used for the experiments. Altogether ten In-Pb alloys, with an atomic fraction of indium varying from 0.05 to 0.9, were studied at temperatures of 400, 500 and 600 °C. From the results obtained, the following values were calculated: temperature coefficient of the electromotive force (dE/dT) within the temperature range studied; activities (a_{In}, a_{Pb}) and activity coefficients (f_{In}, f_{Pb}) of the components; changes of partial thermodynamic molar
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Thermodynamic properties of liquid ... P/038/61/006/003/002/003
E071/E180

potentials ($\overline{\Delta G}_{In}$, $\overline{\Delta G}_{Pb}$), entropies ($\overline{\Delta S}_{In}$, $\overline{\Delta S}_{Pb}$) and enthalpies ($\overline{\Delta H}_{In}$, $\overline{\Delta H}_{Pb}$) of indium and lead and changes of the thermodynamic potential (ΔG), entropy (ΔS) and enthalpy (ΔH) for the process of mixing pure liquid metals into liquid solutions. The activities of indium and lead indicate that there is a positive deviation from the Raoult law. These deviations decrease with increasing temperature. The liquid indium-lead solutions can be approximately regarded as semi-regular, with the values of entropies of mixing higher than for ideal solutions. This increase in the entropy of mixing is probably caused by the difference in the atomic volumes of indium and lead as well as by the effect of atomic bonds. The values of $\overline{\Delta H}_{In}$, $\overline{\Delta H}_{Pb}$ and ΔH are positive for the whole range of concentrations of liquid indium-lead solutions. On the basis of investigations by O. Kubaschewski (Ref.8: Z. Elektrochem., 59, 1955, 840) it may be postulated that, during the formation of these solutions, a loosening of the atomic bonding of indium and lead, associated with the absorption of energy, occurs. The existence of solid

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Thermodynamic properties of liquid ... P/038/61/006/003/002/003
E071/E180

intermetallic phases of variable composition does not appear to have any influence on the thermodynamic properties of liquid indium-lead solutions within the range of temperatures studied. There are 4 figures, 4 tables and 11 references: 7 Soviet-bloc and 4 non-Soviet-bloc. The English language references read:

Ref.9: O. Kubaschewski, Trans. Faraday Soc., 45, 1949, 931.

Ref.10: W.J. Svirbely, S.M. Selis. J. Am. Chem. Soc., 75, 1953, 1532.

Ref.11: R.W. Bohl, V.D. Hildebrandt. J. Am. Chem. Soc., 79, 1957, 2711.

SUBMITTED: September 1960

Card 3/3

GREGOREK W.

GROMADZKI, Wojciech; GREGOREK, Wladyslaw

Electrohysterography. Gin. polska 25 no.4:453-466 Oct-Dec 54.

1. Z Kliniki Poloznictwa i Chorob Kobietych Akademii Medycznej
w Poznaniu. Kierownik: prof. dr I. Roszkowski. Z Zakladu Budowy
Aparatow Elektromedycznej Politechniki Warszawskiej. Kierownik:
prof. mgr inz. J.Keller.

(UTERUS,
electrohysterography)

GREGOREK, Wladyslaw, JUS, Karolina

Electromechanical appliance for registration of hand movements
in Ivanov-Smolenskii's experiment. Acta physiol. polon 6 no.1:
93-98 1955.

1. Z Kliniki Chorob Nerwowych Akademii Medycznej w Lodzi.

Kierownik: prof. dr E.Herman.

(REFLEX, CONDITIONED,

appar. for registration of hand movements in
Ivanov-Smolenskii's experiment)

23514
P/022/60/000/012/003/004
D235/D301

9,2583 (1040, 1147)

AUTHOR: Gregorek, Władysław, Engineer

TITLE: An instrument for measuring the series resistance of quartz oscillators

PERIODICAL: Przegląd telekomunikacyjny, no. 12, 1960, 385-386

TEXT: The instrument measures the resistance of a crystal oscillator used in series resonant circuits. It can also be used for calculating oscillator inductance. The instrument is used for checking the characteristic of crystal oscillators during production. The principle of operation is shown in Fig. 1. It composes a series resistance of the oscillator with its reactance. There are two series-coupled circuits. Coupling elements are R_1 and R_2 and the crystal oscillator - K or variable resistance r . Coupling increases as r decreases and it reaches its maximum at $r = 0$. Substitu-

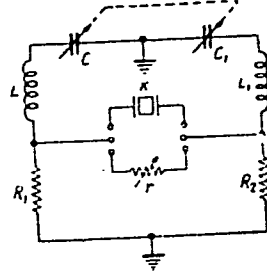


Fig. 1

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2351h

P/022/60/000/012/003/004
D235/D301

An instrument for measuring...

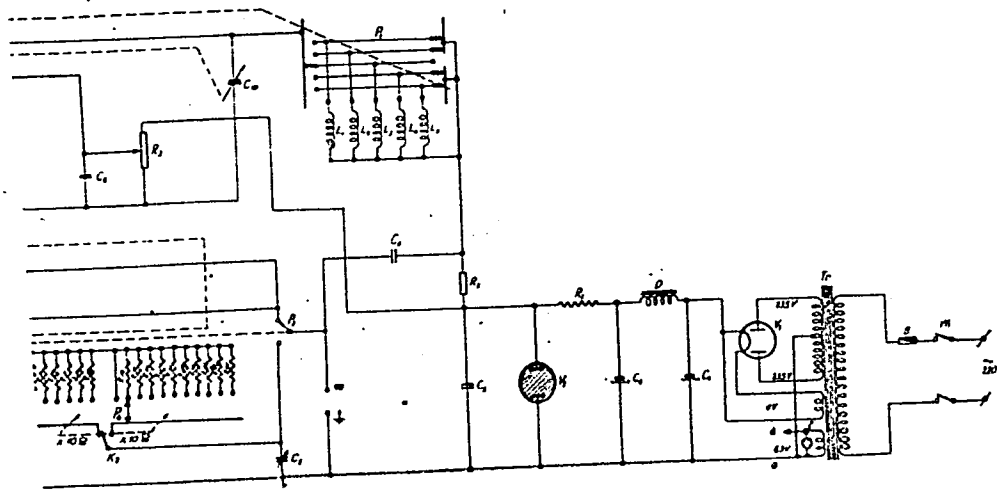
ting for r oscillator and tuning circuits L, C, C₁, L₁ to resonate with the oscillator, its resistance r serves as a coupling for circuits L, C, C₁, L₁. Knowing the voltage in the circuit LC connected with the crystal and switching over, so that resistance r is in the circuit instead of the crystal, and adjusting r to such a value that the voltage is identical as in the case of a circuit including a crystal, the value of r represents the series resistance of the oscillator. Fig. 2 shows the complete circuit diagram of the instrument. The specifications of the instrument are: Measurement range: 1 M/c - 15 M/c; Range of measured resistance: 1 - 1100Ω; Accuracy: 220 V, 50 c/s; Power consumption: 30 VA. There are 3 figures.

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P/022/60/000/012/003/004
D235/D301

An instrument for measuring ...

Fig. 2 cont'd.



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GREGOREK, Wladyslaw, inz.

A thermic chamber for the measurement of the thermal
coefficient of quartz. Przegl telekom 34 no.11:355-356
N '61.

GREGOREK, Wladyslaw, inz.

A system for the excitation of quartz oscillators under
overtone conditions. Przegł telekom 34 no.10:319-320
0 '62.

L 32780-66 EWP(e) WH

ACC NR: AP6023803

SOURCE CODE: PO/0022/65/000/008/P256/P256

AUTHOR: Gregorek, W. (Engineer)

48

ORG: Piezoelectronic Works, IRT (Zaklady Piezoelektroniki ITR)

B

TITLE: Quartz thermostats and excitation systems

SOURCE: Przegląd telekomunikacyjny, no. 8, 1965, Supplement, 256

TOPIC TAGS: thermostat, miniature electric equipment, electronic circuit

ABSTRACT: The article describes thermostats of the medium class for typical miniaturized and noval quartz assemblies, also excitation circuits for such quartzes - all developed and built at the Institute. The thermostat consists of an aluminum housing, a felt insulator, a heater, a thermo-regulator and a frame for a quartz. The circuit diagram of a bimetallic thermo-regulator is shown. The miniaturized construction makes use of the parallel resonance circuit (Colpitts) for the range from 1 Mc to 20 Mc; the noval construction uses a series resonance circuit with automatic amplitude-control (frequency stability 0.000001/month, frequency range from 100 to 500 Kc). Orig. art. has: 3 figures. [JPRS]

SUB CODE: 13, 09 / SUBM DATE: none

Card 1/1

JS

NOT 11 50

GREGORI, T.A.

Physiological basis of therapy of chronic dysentery in young children.
Pediatria no.3:19-24 My-Je '53. (MLRA 6:8)

1. Oblastnoy metodicheskiy kabinet po voprosam lechebno-profilakticheskoy
pomoshchi detyam (Ryazan'). (Dysentery)

GREGORI, T.A. (Ryan').

Prevention of measles and whooping cough in day nurseries. Fel'd. i akush.
no. 11:44-46 N '53. (MLBA 6:11)
(Measles--Prevention) (Whooping cough) (Day nurseries)

GREGORI, T.L.

Dispensary treatment of younger children following dysentery; based
on observation of the first consultation bureau for babies in Ryazan.

Vop.okh.mat.i det. 2 no.3:59-62 My-Je '57.

(MLRA 10:7)

(DYSENTERY)

GREGORI, T. Ya. (Ryasan')

Fresh air and long sleep therapy of whooping cough in children.

Sov. med. 18 no.7:41 J1 '54.

(MLRA 7:8)

(SLEEP, therapeutic use

*whooping cough)

(CLIMATE, therapeutic use

*fresh air in whooping cough)

(WHOOPIING COUGH, therapy

*fresh air & long sleep)

GREGORIC, F.

GREGORIC, F.

Problems of the preservation of wood by impregnation. p. 294.

Periodical: NOVA PROIZVODNJA.

Vol. 9, no. 4/6, 1958.

TECHNOLOGY

SO: Monthly List of East European Accessions (EEAI) LC

Vol. 8, No. 4
April 1959, Uncl.

GREGORIC, P.

"Some problems in public health service." p. 322 (NARODNO ZDRAVLJE, Vol. 8, no. 11/12, 1952, Beograd, Yugoslavia)

SO: Monthly List of East European Accessions, Vol. 2, #8, Library of Congress
August, 1953, Uncl.

1954, A.

Thermoelectric power plants in Yugoslavia (1947-1954). (Lith. Serb. J. Sci., Vol. 7, no. 2, Mar./Apr. 1954, Belgrad, Yugoslavia.)

See: Monthly list of East European Accessions, (LITH), LC, Vol. 4, no. 1 Jan. 1955, Incl.

GREGORIC, T.

GREGORIC, T. Bases of the project for the Kakanj Thermoelectric Plant. p. 570

Vol. 9, no. 11/12, Nov./Dec. 1956

ELEKTROPRIVERDA

TECHNOLOGY

Beograd

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

GREGORIC, T.

GREGORIC, T. The turbine equipment and heating system in the Kakanj Thermoelectric Plant. p.574

Vol. 9, no. 11/12, Nov./Dec. 1956

ELEKTROPRIVERDA

TECHNOLOGY

Beograd

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

GREGORIC, T.; SAVIC, D.

Burning characteristics of some of our low-calorie coals. p. 252.
(Elektroprivreda, Vol. 10, No. 5/6, ~~May~~/June, 1957, Beograd, Yugoslavia)

SO: Monthly List of East European Accessions (EEAL) Lc. Vol. 6, No. 8, ~~Aug~~ 1957. Uncl.

GREGORIC, T.

30(7)

YUG/1-53-1-7/67

AUTHOR: Veličković, T., Doctor of Engineering and Professor
TITLE: The Twelfth Special Session of the World Power Conference

PERIODICAL: Tehnika, 1959, Nr 1, pp 20f-20i (YUG)

ABSTRACT: The Twelfth Special Session of the World Power Conference was held from 7 to 11 September 1958 in Montreal. The Eleventh Special Session of this Organization was held in Beograd in 1957. The theme of the Twelfth Special Session in Canada was "Economic Problems in the Production, Transmission and Utilization of Fuel and Power". Various papers were presented by delegates from various countries including the USSR, Poland, Czechoslovakia, the USA, etc. The USSR delegates presented the following papers: "The USSR Program for the Development of the Electric Power Network in the USSR, its Significance for the National Economy and its Economy of Fuel"; "Utilization in USSR Refineries"; "The Use of Electric Power in Agriculture"; and "The Electric Power to Villages". The Polish delegates presented the following papers: "The Profitability and the Effects of Mineral Tractition in an Electric Power System"; "The Economic Problems of the Use of Steam Turbines with Supplementary Fueling"; and "The Calculation of the Economic Coefficients of Electric Power Production and Transmission Costs".

Card 1/3

The USSR delegates presented the following papers: "The USSR Program for the Development of the Electric Power Network in the USSR, its Significance for the National Economy and its Economy of Fuel"; "Utilization in USSR Refineries"; "The Use of Electric Power in Agriculture"; and "The Electric Power to Villages". The Polish delegates presented the following papers: "The Profitability and the Effects of Mineral Tractition in an Electric Power System"; "The Economic Problems of the Use of Steam Turbines with Supplementary Fueling"; and "The Calculation of the Economic Coefficients of Electric Power Production and Transmission Costs".

Card 2/3

The USSR delegates presented the following papers: "The USSR Program for the Development of the Electric Power Network in the USSR, its Significance for the National Economy and its Economy of Fuel"; "Utilization in USSR Refineries"; "The Use of Electric Power in Agriculture"; and "The Electric Power to Villages". The Polish delegates presented the following papers: "The Profitability and the Effects of Mineral Tractition in an Electric Power System"; "The Economic Problems of the Use of Steam Turbines with Supplementary Fueling"; and "The Calculation of the Economic Coefficients of Electric Power Production and Transmission Costs".

Card 3/3

NOVAKOVIC, Miodrag, dr inz.: GREGORIC, Teodor, dipl. inz., prof.

Advances in heat transfer. Nuklear energija 1 no.2/3:26-27
'64.

1. Laboratory of Reactor Thermotechnics of the Boris Kidric
Institute of Nuclear Sciences, Belgrade-Vinca (for Novakovic).
2. University of Sarajevo (for Gregoric).

SOJAK, L.; GREGORIK, M.; KURCOVA, J.

Separating light petrols by gas chromatography. Ropa i uhlie
5 no.10:289-293 0 '63.

1. Slovnaft, n.p., Vyskumny ustav pre ropu a uhlovodikove plyny,
Bratislava.

COAMD

WALCZAK, Irena, mgr., WALCZAK, Stanislaw, mgr.
WALCZAK, Irena, mgr.

Department of Sanitary Chemistry, Politechnika Gliwice
Research Department of the Upper-Silesian Industrial
Center, Polish Academy of Sciences, (Katedra Chemii
Sanitarnej Politechniki Slaskiej, Gliwice. Zaklad Badan
Naukowych Gornoslaskiego Okręgu Przemysłowego Polskiej
Akademii Nauk), Zabrze. (For all).

Warsaw, Chemia analityczna, No 5, September-October 1965,
pp 889-894.

"Determination of fluorine in plant material."

Category : USSR/Nuclear Physics - Cosmic rays

C-7

Abs Jour : Ref Zhur - Fizika, No 1, 1957, No 650

Author : Gregorov, N.L.,

Title : Average Characteristics of the Act of Interaction of Primary Cosmic Particles
of Various Energies (2 -- 1000 Bev) with Light Atomic Nuclei

Orig Pub : Uspekhi fiz. nauk, 1956, 58, No 4, 599-666

Abstract : No abstract

Card : 1/1

SEBEK, V., Doc; FANTOVA, B.; GREGOROVA, E.; JERABKOVA, V.; PAUKOVA, A.;
PETER, R., Prof., Dr.Sc.; POHUNEK, M.; REPISTAK, J.; VOJTA, M. doc.

Treatment of vaginal discharges in adult women. Cesk. gym. 26[40]
no.4:260-265 '61.

(LEUKORRHEA ther)

Engelberg, G. Negorova, I.

17 α -Ethinylestradiol. ~~Inachara Czechova~~ and František Šimůnek. Czech. 85,937, Sept. 15, 1956. Reaction between estrone, abs. iso-BuOK in PhMe, and C₂H₂ at normal temp. and pressure gives the title compd. (I) in good yields. Boiling gently a mixt. of 260 ml. iso-BuOH and 220 ml. PhMe while passing dry N, adding under stirring 10.4 g. solid KOH, adding dropwise PhMe under continuous removal of the azeotropic mixt. of iso-BuOH-PhMe-H₂O by distn. until the temp. has risen from 93° to 108°, cooling the remaining alc.-free iso-BuOK in PhMe to 20°, changing from N to C₂H₂, adding dropwise in the course of 30 min. 10 g. estrone in 350 ml. dioxane and 250 ml. PhMe, passing C₂H₂ 18 hrs., discontinuing the addn. of C₂H₂, cooling the flask in an ice-bath, decomp. the mixt. with ice-cooled soln. of 8 ml. H₂SO₄ in 60 ml. H₂O, extg. the aq. layer with Et₂O, combining the Et₂O ext. with the PhMe-dioxane layer, evap. the solvents and dissolving the residus in 75 ml. boiling MeOH gave 8.5 g. I, m. 180-2° (Me₂CO-ligroine).
L. J. Gebauer

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PM

CHARVAT, Josef; GREGOROVA, Inge; KANDRAC, Michal

Contribution to the diagnosis of hirsutism in women. Cas.lek.cesk
100 no.29/30:956-958 14 J1 '61.

1. Laborator pro endokrinologii a metabolismus, fakulta vseobecneho
lekarstvi, Praha, prednosta akademik Josef Charvat.

(HYPERTRICHOSIS urine)
(17-KETOSTEROIDS urine)

CHARVAT, Josef; GREGOROVA, Inge; KONDRAC, Michal

Value of the determination of urinary steroids in the differential diagnosis of hirsutism in women. Pol. arch. med. wewnet. 32 no.2: 183-187 '62.

1. Z Laboratorium Endokrynologicznego i Metabolicznego III Kliniki Chorob Wewnetrznych Uniwersytetu Karola w Pradze Kierownik: prof. dr med. J. Charvat.

(HYPERTRICHOSIS urine) (VIRILISM urine)
(STEROIDS urine)

CHARVAT, Josef; GREGOROVA, Inge; MALEK, Jiri; KANDRAC, Michal; SILINKOVA-
MALKOVA, Eva

Excretion of androgens in hirsute women. Sborn.lek. 64 no.1:1-19
Ja '62.

1. Laborator pro endokrinologii a metabolismus, fakulty vseobecneho
lekarstvi University Karlovy v Praze, prednosta akademik Josef Charvat
I gynekologicka klinika fakulty vseobecneho lekarstvi University Karlovy
v Praze, prednosta prof. dr. Karel Klaus Dr.Sc.

(ANDROGENS urine) (HYPERTRICHOSIS urine)

KOLBEL, Frantisek; KUCHEL, Oto; GREGOROVA, Inge.

On the problem of the effect of so-called "SEF" substance (Salt excreting factor, 3 β -16 α -dihydro-5-pregnane-20-one. Cas. lek. cesk. 101 no.31:959-962 27 J1 '62.

1. III interni kliniki fakulty vseobecneho lekarstvi KU v Praze, prednosta akademik J. Charvat. Laborator pro endokrinologii a metabolismus v Praze, reditel akademik J. Charvat.

(STEROIDS pharmacol) (SODIUM metab)
(POTASSIUM metab) (ADRENALECTOMY exper)

MATYS,Z.; GREGOROVA,I.; KANDRAC,M.; CHARVAT,J.

Differential diagnosis of hirsutism. Acta Univ. Carol. [med.]
(Praha) 10:suppl. 17:160-166 '63

1. III. interni klinika fakulty vseobecneho lekarstvi Karlovy
university v Praze; Laborator pro endokrinologii a metabolis-
mus: prednosta: akademik J.Charvat.

SONKA, Jiri; GREGOROVA, Inge

Dehydroepiandrosterone - a new approach to the pathogenesis of obesity. Acta Univ . Carol [med.] (Praha) 9 no.1:89-98 '63

1. Laborator pro endokrinologii a metabolismus fakulty vseobecného lékařství University Karlovy v Praze (vedoucí akademik Josef Charvat).

SCHREIBER, V.; ECKERTOVA, A.; FRANC, Z.; RYBAK, M.; GRIGOROVA, I.; KMENTOVA, V.; JIRGL, V.

Purification of the hypothalamic thyrotrophinreleasing factor. *Physiol. bohemoslov.* 12 no.1:1-14 '63.

1. Laboratory for Endocrinology and Metabolism, Third Medical Clinic, Faculty of General Medicine, Charles University, Institute of Pharmacy and Biochemistry, Institute of Haematology and Blood Transfusion, Prague.

(HYPOTHALAMUS) (THYROTROPIN) (ELECTROPHORESIS)
(PEPTIDES) (AMINO ACIDS) (ASPARAGINE) (GLUTAMATES)
(GLYCINE) (ISOLEUCINE) (THREONINE) (LEUCINE) (SERINE) (VALINE)

CZECHOSLOVAKIA

RABOCH, J., Institute of Sexuology (Sexuologický ústav), Faculty of General Medicine (Fakulta všeobecného lékařství), Charles University, Prague, Prof. Dr. J. HYMLÉ, director; GAJDOUROVA, I., Laboratory for Endocrinology and Metabolism (Laborator pro endokrinologii a metabolismus), Faculty of General Medicine, Charles University, Prague, Academician J. CHARVÁT, director; and REZÁBEK, K., Research Institute for Pharmacy and Biochemistry (Výzkumný ústav pro farmacii a biochemii), Prague-Vinohrady, Dr. Eng. C. REZÁBEK, director.

"Chromographic investigation of Androgens in Human Ejaculate."

Prague, Casopis Lékaru Ceských, Vol CII, No 39, 27 September 63, pp 1068-1070.

Abstract [Authors' English summary]: Examined were extracts of normal ejaculates and azoospermic semina from chromatin-positive patients and men with a bioptic finding of Sertoli cells only in the tubules. The following androgens were not present: testosterone, andosterone, dehydroepiandrosterone, androstendion, 11- β -hydroxyetiocholanolone, and 11-keto-etiocholanolone. The findings are consistent with biological investigations in which it was impossible to detect androgenic activity in ether extracts from normal human ejaculates. Nine references, including 3 Czech and 1 Hungarian.

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RABOCH, J.; GREGOROVA, I.; REZABEK, K.

Chromatographic study of androgens in human ejaculate. Cas. lek.
cesk. 102 no.39:1068-1070 27 S '63.

1. Sexuologicky ustav fakulty vseobecneho lekarstvi KU v Praze,
prednosta prof. dr. J. Hynie Laborator pro endokrinologii a
metabolismus fakulty vseobecneho lekarstvi KU v Praze, pred-
nosta akademik J. Charvat Vyzkumny ustav pro farmacii a biochemii,
Praha-Vinohrady, reditel dr. inz. O. Nemecek.

(ANDROGENS) (EJACULATION)
(SPERMATOOA) (CHROMATOGRAPHY)

KOLBEL, F.; GREGGROVA, I.; SONKA, J.

Dehydroepiandrosterone deficiency in the urine of some patients
with hypertension. Cas. lek. cesk. 103 no.33:922-923 14 Ag '64.

KOLBLOVA, V.; GREGOROVA, J.; KOLBEL, F.; SONKA, J.

Changes in the excretion of dehydroepiandrosterone in pregnancy.
Cas. lek. cesk. 103 no.45:1261-1262 6 N '64.

1. Porodnicko-gynekologicke oddeleni v Brandyse n Labem,
(vedouci MUDr. M. Zaloudek); Laborator pro endokrinologii
a metabolismus v Praze, (vedouci akademik J. Charvat) a
III. interni klinika fakulty vseobecneho lekarstvi Karlovy
University v Praze (prednosta akademik J. Charvat).

CHASHE, A.;

Dehydration of
propane and
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SONKA, J.; GREGOROVA, I.; KÜLBEL, F.

Menopause and metabolic disorders. Cesk. gynek. 30 no.6:
456-462 Ag '65.

1. Laborator pro endokrinol. a metabol. (vedouci akad. J. Charvat)
a III. int. klin. (prednosta akad. J. Charvat) fak. vseob. lek.
Karlovy University v Praze. Submitted July 22, 1964.

SONKA, J.; GREGOROVA, I.; JIRANEK, M.; KOLBEL, F.; MATYS, Z.

Dehydroepiandrosterone deficiency - a new syndrome? Cas. lek.
cesk. 104 no.10:266-270 12 Mr'65.

I. Laborator pro endokriologii a metabolismus fakulty vse-
obecneho lekarstvi Karlovy University v Praze (reditel:
akademik J. Charvat); III. interni klinika fakulty vseobec-
neho lekarstvi Karlovy University v Praze (prednosta: akademik
J. Charvat).

MOTLIK, K.; KUCHEL, O.; KANDRAC, M.S.; GREGOROVA, I.; HORKY, K.

Hyperadrenocorticism accompanying extraadrenal and extra-hypophyseal neoplasms. Endokr. Pol. 16 no.2:113-131 Mr-Ap'65.

I. Faculty of General Medicine, Charles University, Praha (Prague); II. Institute of Morbid Anatomy (Director: Prof. dr. V. Jedlicka, DSc.); III. Clinic of Internal Medicine and the Laboratory for Endocrinology and Metabolism (Director: Academician J. Charvat).

ENDOCRINOLOGY

CZECHOSLOVAKIA UDC 616.36-036.12:616.633(:577.17.631)-074

SONKA, J.; GREGOROVA, I.; FASSATI, P.; FASSATI, M.; Laboratory for Endocrinology and Metabolism, Faculty of General Medicine, Charles University (Laborator pro Endokrinologii a Metabolismus Fak. Vseob. Lek. KU), Prague, Head (Vedouci) Member of Academy J. CHARVAT; Central Biochemical Laboratory Okresni Institute of National Health (Ustredni Biochemicka Laborator OUNZ), Prague 9, Head (Vedouci) Dr P. FASSATI; Chair of Epidemiology, Faculty of General Medicine, Charles University (Katedra Epidemiologie, Fak. Vseob. Lek. KU), Prague, Head (Vedouci) Prof Dr V. KUBELKA.

"Dehydroepiandrosterone in Chronic Hepatopathies."

Prague, Casopis Lekarů Ceskych, Vol 105, No 32, 15 Aug 66, pp 855 - 856

Abstract [Authors' English summary modified]: Investigation of the excretion of 17-KS fractions in 42 hepatic patients revealed a markedly selective reduced excretion of DHA. Relationship between the excretion of DHA in chronic liver disorders and the inhibitory effect of DHA on glucose-6-phosphate dehydrogenase is evaluated. 2 Tables, 9 Western, 2 Czech references. (Manuscript received Sep 65.).

1/1

CZECHOSLOVAKIA

SCHWEITZER, P., HILDEBRAND, T., KLVANOVA, H., GREGOROVA, J., GALAJDOVA, E., SIMKO, S.; 1st. Internal Clinic, Medical Faculty, P.J.Safarik University (I. Interna Klinika Lek. Fak. UPJS), Kosice.

"Contribution to the Problem of the Relationship Between the Sympathoadrenal System and the Thyroid Gland."

Prague, Ceskoslovenska Fysiologie, Vol 15, No 2, Feb 66, p 102

Abstract: 8 healthy subjects, 9 patients suffering from neuro-circulatory asthenia, and 30 from thyrotoxicosis were used in an experiment to study the influence of blockage and tone increase of sympathicus on pulse frequency. The blockage resulted in a frequency decrease in the patients from 100 to 80-90, with no influence on controls. The orthostatic changes were in controls 77-91, in patients from 100 to 110-120. No references. Submitted at "16 Days of Physiology" at Kosice, 29 Sep 65.

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STEJSKAL, J.; OSLEJSKOVA, M.; GREGOROVA, Y.

Liver disorders in influenza in childhood. Scr. med. fac.
med. Brunensis 36 no.3:139-145 '63.

1. Infekčni oddelení Fakultní detské nemocnice v Brně, Černa
pole Vedoucí doc. MUDr. V. Kluska Biochemické oddelení
Fakultní detské nemocnice v Brně, Černa pole Vedoucí MUDr.
O. Teyachl.

(INFLUENZA) (AMINOTRANSFERASES)
(ALANINE AMINOTRANSFERASE)
(ASPARTATE AMINOTRANSFERASE)

YUGOSLAVIA

W. B.

Effect (case of)

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GREGOROVICH, K. A.

Tekhnika khirurgicheskikh operatsii na nervnykh stvolakh konechnosti / Technique of operating on the nerve trunks of the limbs/. Leningrad Voenno-morskoi med. akad., 1951. 138 p.

SO: Monthly List of Russian Accessions, Vol 6 No 6 September 1953

Gregorowicz, E.

Some remarks on the problems of pelts. p. 145

PRZEGLAD SKORZARY. (Centralne Zarzedy Przemyslu Garbarskiego, Ciowniczego i Artykulow Skorzanych) Lodz, Poland. Vol. 11, no. 6, June 1959.

Monthly List of East European Accessions (SEAL) LI, Vol. 9, no. 2, Feb. 1959.

Uncla.

GREGOROWICZ, J.; Cielecki, M.

Forest management Fund is needed. p. 3.

LAS POLASKI. (Ministerstwo Lesnictwa oraz Stowarzyszenie Naukowo-Techniczne Inzynierow i Technikow Lesnictwa i Drzewnictwa) Warszawa, Poland. Vol. 32, no. 8, Apr. 1958.

Monthly List of East European Accession (EEAI) LC, Vol. 9, no. 1, Jan. 1960.
Uncl.

GREGOROWICZ W. 10/2/58

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Kisielow W., Gregorowicz Z. Mineral Components of Crude Oils and their Occurrence in the Ashes of Polish Crudes.

„Mineralne składniki rop naftowych i ich występowanie w popio-
lach rop krajowych”. Nafta. No. 11, 1955, pp. 250—259, 1 tab.

Using spectrographic techniques, the composition of fourteen Polish
crudes was investigated and determination made of incidence in the
ashes of the particular elements covered by the investigation. It was
found that the quantities of the various components of the ashes of the
different Polish crude oils show wide variations. The elements occur-
ring in ashes of all the crudes were as follows: iron, vanadium, nickel,
magnesium, calcium, silicon, aluminium and manganese. Traces of
fourteen other elements were found only in certain of the ashes.
The occurrence of vanadium and nickel in all the ashes is in accor-
dance with the degree of incidence reported for these elements by
Gurwicz, a fact which indicates their special significance in the
formation of petroleum.

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Gregorowicz Z. Spectrographic Investigations on the Occurrence of Rare Metals in Petroleum Ashes. 27

„Spektrograficzne badania nad występowaniem rzadkich metali w popiołach rop naftowych”. Nafta. No. 10, 1958, pp. 273-276, 7 tabs.
Ashes of 32 Polish crudes and 5 imported crudes were analysed. The presence and frequency of occurrence of the following rare metals were determined: V, Ni, Co, Cu, Ti, Cr, Ag, Mo, Au and Be. Quantitative analyses of barium, vanadium and nickel, their proportions being determined as the geochemical index of the crudes, and an investigation was made into the possibilities of extracting vanadium from volatile ashes of crude oils. A method was developed for spectrographic determinations of vanadium and nickel in the ashes of crude oils in the case of spectrographs of medium dispersion in an activated alternating current arc; copper was here used as internal standard, and vanadium and nickel contents ranged from 0.003 to 0.8 and 0.003 to 6 per cent respectively. The standard error for the two metals was respectively 7.3 and 5 per cent.

MT

GREGOROWICZ, ZBIGNIEW

Distr: 4E2c

27
 Spectrographic determination of rare metals in crude oil
 ashes. Zbigniew Gregorowicz (Inst. Technol., Gliwice)
 Nafta (Poland) 12, 373-3 (1960). The ash from 32 Polish
 and 6 foreign crude oils was spectroscopically examd., and
 the presence of V, Ni, Co, Ti, Cr, Ag, Mo, Au, and Be was
 established. V and Ni were detd. quantitatively. The
 possibility of recovering V from volatile ashes is discussed.
 A spectrographic method for detg. V and Ni using Cu as a
 standard, for a V concn. range of 0.003% to 0.08% and a Ni
 concn. from 0.003% to 8% is described. The accuracy of
 the method was 7.3% for V and 5% for Ni. Z. Kucykn

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GRIGOROWICZ, Z.

Gregorowicz Z. Photometric Determinations of Vanadium and Nickel in the Remainders of Mineral Petroleum Products. 27 27

„Fotometryczne oznaczanie wanadu i niklu w pozostałościach mineralnych produktów naftowych”. *Nafta*, No. 2, 1957, pp. 39-41, 2 figs., 3 tabs.

A method for determining vanadium and nickel photometrically in the remainders of mineral petroleum products. The standard error for the two metals was found to be 8.9 and 5.4 per cent respectively. The accuracy and recurrence of results were checked, and convenience compared as between photometric and spectographic methods.

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POLAND / Laboratory Equipment. Apparatus, Its Theory, F
Construction and Application.

Abs Jour: Ref Zhur-Khimiya, No 4, 1959, 11627.

Author : Gregorowicz, Z.
Inst : Not given.
Title : The Obtaining of $ZnSO_4 \cdot 7H_2O$ of a High Degree of
Purity.

Orig Pub: Chem. analit., 1957, 2, No 3, 281.

Abstract: There are cited data about the analysis of $ZnSO_4 \cdot 7H_2O$, obtained from industrial Zn and purified by selected crystallization. The analysis conducted on a Zeiss spectrograph of the O-12 type disclosed in the arc of an alternating current of 6 a, with the width of the aperture at 0.008 mm, the absence of Al, As, Au, B, Ba, Be, Bi, Ca, Co,

Card 1/2

Gregorowicz, Z. 1957

Photometric determinations of nickel by means of di-
methylglyoxime. Zbigniew Gregorowicz, Stanislaw Gro-
chowski, and Jerzy Kusalski (Polytech. Inst. of Technol.,
Gliwice, Poland). *Chem. Anal. (Warsaw)* 2; 322-6(1957)
(English and Russian summaries).--Some inconsistencies
concerning photometric detn. of Ni⁺⁺ with dimethylgly-
oxime (I) were noted (cf. Mitchell and Mellon, *C.A.* 39,
3220; Mellan, *Organic Reagents in Inorganic Analysis*,
1941 (*C.A.* 35, 6216*); *Polish Standards PN/H-04018*
(1952); Babko and Filipenko, *Colorimetric Analysis*,
Warsaw, 1955). The influence of vol. and concn. of the
soln. of I as well as the concn. of H₂O₂ on the extinction
of the soln. after the reaction of I with Ni⁺⁺ were examd.
The results are tabulated and given in diagrams. It was
shown that white ppts. were formed for solns. contg. less
than 0.1 γ of Ni⁺⁺ in 50 ml.; whereas pink ppts. appeared
at higher values. A modified procedure for photometric
detn. of Ni⁺⁺ is obtained by using a 0.1% I soln. Z. K.

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GREGOROWICZ, Z.

27 27

245. Photometric determination of vanadium and nickel in mineral residues of petroleum products. Z. Gregorowicz. Nafta (Kutów), 1957, 13, 39-41.—This paper is based on work by Lloyd, Wrightson, Hoppe, and others, and also takes into account progress made by several Polish workers which has not yet been published. Vanadium gives permanent colour and Ni transient. Method is given and procedure, which yields results $\pm 6.6\%$ for vanadium and $\pm 5.4\%$ for nickel. The method has been compared with spectrographic analysis, which proves superior if the concn of V is below 0.5% and Ni below 0.05% .

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POLAND / Analytical Chemistry. Analysis of Inorganic Substances. E

Abs Jour: Ref Zhur-Khimiya, No 4, 1959, 11507.

Author : ~~Grigorowicz, Z.~~

Inst : Not given.

Title : Spectral Analysis of Vanadium and Nickel in Petroleum Ashes.

Orig Pub: Chem. analit., 1958, 3, No 1, 19-25.

Abstract: There is described a method procedure of the determination of V and Ni on the spectrograph of medium dispersion in concentrations of 0.003-0.8% of V and 0.003-6% of Ni. The spectra stimulate in the arch of the alternating current at 10 a with an electrode intermediate space of 6 mm. Carbon electrodes of a 5 mm diameter are used;

Card 1/3

POLAND/Optics - Optical Methods of Analysis.

K

Abs Jour : Ref Zhur Fizika, No 11, 1959, 26251

Author : Gregorowicz, Zbigniew

Inst : Silesian Polytechnic, Gliwice, Poland

Title : Spectral Determination of Silicon, Aluminum, and Magnesium in Limestones.

Orig Pub : Chem. analit., 1958, 3, No 5-6, 783-788

Abstract : The sample was evaporated from the channel of a carbon electrode in an ac arc. The measurements were carried out by the method of absolute intensities, using the method of comparison with the lines of the cadmium base, and with the lines of dummy electrodes (copper and iron). The best results were obtained by comparison against the lines of a dummy iron electrode. The intervals of the determined concentrations were 0.1 -- 4%.

Card 1/2

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~~Vanadium and nickel in Polish crude oils~~ ²⁷ Zbigniew
 Gregorzewicz and Piotr Orzechowski (Polytech. Inst. Technol., Gliwice, Poland). *Nafte* (Poland) 14, 109-7(1959).—
 V and Ni as well as other elements were detd. spectrographically in the ash from 30 Polish and 6 foreign crude oils. The following ash contents (%) and V and Ni concns. (mg./1000 g.) were found in the Polish crude oils listed: 0.005, 0.03, 0.1 Kleczany; 0.005, 0.03, 2.2 Wańkowa; 0.013, 0.05, 0.3 Mokre (paraffinic); 0.012, 0.06, 0.7 Biecz; 0.005, 0.07, 0.9 Grabownica (nonparaffinic); 0.008, 0.13, 1.9 Grabownica (paraffinic); 0.022, 0.13, 0.7 Graby; 0.008, 0.14, 1.2 Humniska; 0.02, 0.16, 2.1 Mrukowa (nonparaffinic); 0.013, 0.16, 3.4 Kryg "Zielona"; 0.010, 0.18, 2.2 Mrukowa (paraffinic); 0.014, 0.25, 2.2 Tyrawa; 0.013, 0.26, 2.6 Rajskie; 0.013, 0.28, 1.9 Wielopole; 0.011, 0.32, 2.4 Łodyna; 0.031, 0.34, 1.4 Jaszczew; 0.026, 0.34, 3.9 Równe (nonparaffinic); 0.023, 0.34, 8.4 Roztoki (paraffinic); 0.041, 0.37, 1.1 Świerchowa; 0.010, 0.37, 4.9 Jaszczew oil-well "Wulkan XI"; 0.022, 0.37, 5.2 Potok; 0.029, 0.46, 6.1 Harkłowa; 0.025, 0.50, 5.8 Iwonicz; 0.007, 0.50, 6.2 Czarna; 0.000, 0.52, 0.0 Równe; 0.012, 0.55, 12.9 Osobnica (paraffinic); 0.013, 0.82, 13.3 Polusz; 0.026, 1.07, 16.0 Kryg "Czarna"; 0.034, 1.26, 7.8 Turzopole (paraffinic) 0.010, 1.27, 6.8 Mokre (nonparaffinic). Ge, Ga, In, Bi, U, Th, Pt, Pd, Li, Cs, Nb, S., Hf, and W were not found, although the last 4 are found in Polish coal. A simple ashing device heated with gas and protected against wetting of the crucible by oil is described. The V and Ni content of Polish crude oil is compared with that of foreign crude oils.

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Distr: 4E3d/4E4j

Z. Kurtyka

JMB *Jaw*

POLAND/Chemical Technology. Chemical Products and Their
Applications. Instruments and Automation.

II

Abs Jour: Ref Zhur-Khim., No 8, 1959, 27782.

Author : Gregorowicz, Z. and Trybalski, Z.

Inst :

Title : Automatic Control of the Purity of the Condensate
Fed to La Monte Kettles at Nitric Acid Plants.

Orig Pub: Przenysl Chem, 37, No 5, 370-371 (1958) (in Polish with
English and Russian summaries)

Abstract: The authors give a brief description of the system
which is used to feed pure condensate from the am-
monium nitrate evaporators to the La Monte kettles.
The quality of the condensate is controlled by two
NH₄NO₃ analyzers which control the NH₄NO₃ content

Card : 1/2

GREGOROWICZ, Zbigniew

Determination of germanium in zinc metallurgy. Chem anal 4 no.5/6:
829-835 '59. (EEAI 9:9)

1. Katedra Chemii Nieorganicznej Politechniki Slaskiej, Gliwice
(Germanium) (Zinc)

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452c
/ Colorimetric determination of nickel with dimethylglyoxime. Zbigniew Gregorowicz (Schlesischen Tech. Hochschule, Onwice, Poland). *Z. anal. Chem.* 168, 211-0 (1959); cf. *C.A.* 52, 4404g. — In a 50-ml. volumetric flask place the neutral Ni soln., 4 ml. satd. aq. Na K tartrate, 1 ml. 0.1% alc. dimethylglyoxime, 8 ml. satd. aq. I, and enough 2N NH₄OH to make pH 8. Mix for 2 min., make to vol., and measure at 460 mμ. All reagents are crit. if Fe⁺⁺⁺ is present, and no. more than 2 mg. of Fe⁺⁺⁺ can be present with 50 γ Ni. Al, Ca, Mg, Cl⁻, SO₄⁻⁻, and NO₃⁻ have no effect. K. G. Stowe—