

Investigation of Several Systems on the Basis
of Perchloric Acid by Electrochemical Methods

SOV/78-4-3-20/34

was found that in the decomposition products of HClO_4 , apart from oxygen, also ClO_2 and Cl_2O_6 occur. The introduction of stabilizers prevents the formation of chlorine oxide. In the case of anode polarization in 97 % HClO_4 oxygen and chlorine oxides are formed. The solution in the anode space becomes brown-yellow and the oxidation-reduction potential increases. The anode development of oxygen in concentrated perchloric acid proceeds according to the reaction (15):

$\text{HClO}_4 \longrightarrow \text{O}_2 + \text{H}^+ + \text{ClO}_2 + \text{e}$, 1.0 mol O_2/F . The electrochemical reduction process of Cl_2 , Cl_2O , ClO_2 , and ClO_3 in 74 % HClO_4 solution was investigated and the cathode polarization curves were plotted. Elementary chlorine is reduced at a potential $\varphi = 1.25$ v and chlorine dioxide at $\varphi = 1.5$ v. The disproportionation of HClO_3 in 74 % HClO_4 proceeds in the same manner as in 97 % HClO_4 .

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Investigation of Several Systems on the Basis
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In 74 % HClO_4 , HClO decomposes according to the following
equation: $\text{Cl}_2\text{O} + 2\text{H}^+ + 2\text{e} \longrightarrow \text{Cl}_2 + \text{H}_2\text{O}$, $\varphi_0 = 1.71 \text{ v}$ (4)
and according to the reaction (18):

$4\text{HClO} \longrightarrow 2\text{Cl}_2 + \text{O}_2 + 2\text{H}_2\text{O}$. Oxygen forms in the case of the
cathode polarization with a platinum electrode in 20 % HClO_4
solution. In 20 % HClO_4 solution Cl_2O and HClO are reduced.
The molecules of HClO_3 are completely dissociated in 20 %
 HClO_4 solution and are not reduced by the platinum cathode.

The results can be used for analytical determinations of
chlorine and chlorine compounds in acid solutions and in
concentrated perchloric acid. There are 22 figures, 2 tables,
and 14 references, 5 of which are Soviet.

SUBMITTED: December 24, 1957

Card 5/5

MISSARZHEVSKIY, V.V.

Early Cambrian Archaeocyathidae of the Shivelig-Khem Basin.
Paleont.zhur. no.4:19-23 '61. (MIRA 15:3)

1. Geologicheskii institut AN SSSR.
(Shivelig-Khem Basin--Archaeocyathidae)

ROZANOV, A.Yu.; MISSARZHEVSKIY, V.V.

Morphology and ontogenesis of external murals of Archaeocyathidea.
Biol.MOIP.Otd.geol. 36 no.6:122 N-D '61. (MIRA 15:7)
(Archaeocyathidea)

MISSARZHEVSKIY, V. V.; ROZANOV, A. Yu.

Morphology of the external walls of regular Archaeocyathus.
Paleont. zhur. no.2:34-44 '62. (MIRA 15:10)

I. Geologicheskii institut AN SSSR.

(Archaeocyathidae)

MISSARZHEVSKIY, V.V.; ROZANOV, L.Yu.

Development of organic kingdom on the border of the Pre-
Cambrian and Cambrian. Biul. MOIP Otd. geol. 37 no.6:122-123
N-D '62. (MIRA 16:8)

BAULINA, M.N.; MISSARZHEVSKIY, V.V.

Method for processing organic fossil remains. *Biul. MOIE Otd. geol.*
37 no.6:123-124 N-D '62. (MIRA 10:8)

BERZIN, N.A.; MISSARZHEVSKIY, V.V.; SEMEKHATOV, M.A.

Structure of the Kibenskaya series in the main fault zone of the
Eastern Sayan Mountains. Geol. i geofiz. no.2:28-43 '63.
(MIRA 16'5)

1. Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR,
Novosibirsk i Geologicheskii institut AN SSSR, Moskva.
(Sayan Mountains--Geology)

MISSARZHEVSKII, V.V.; ROZANOV, A.Yu.

Lower boundary of the Cambrian. Izv. AN SSSR. Ser. (geol. 28
no. 2: 60-72 F '63. (MIRA 16:2)

1. Geologicheskii institut AN SSSR, Moskva.
(Paleontology, Stratigraphic)

MISSENAUD, M.

TECHNOLOGY

PERIODICAL: EPULTEGEPESEZET. Vol. 4, no. 6, 1955

Missenard, M. Developments of French building mechanics during the last ten years: with special emphasis on heating by radiation; also, remarks by A Doren and others. p. 60.

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

MISSIK, A. F. (g. Belorechensk, Krasnodarskogo kraja)

Television in school. *Fiz. v shkole* 20 no.2:111 Mr-Apr '60.
(MIRA 14:5)

(Belorechensk--Television in education)

MISSIK, Tibor

Relations between blood groups ABO, Rh factors and mental diseases.
Cesk. psychiat. 48 no.1:21-26 F '62.

1. Psychkaticke oddelenie OUNZ v Nitre.
(MENTAL DISORDERS blood) (BLOOD GROUPS statist)

MISSIK, T.

The neurovegetative system and neuroses. Bratisl. lek. listy
44 no.10:591-595 '64

1. Psychiatricke oddelenie OUNZ v Nitre (veduci: MUDr. T.Missik).

CZECHOSLOVAKIA

MISSIK, T., Psychiatry Department (Psychiatricke oddelenie), OUNZ [Okresny
ustav narodneho zdravia: Okres Public Health Institute], Nitra.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R00113471001

"The Role of Incompatibility in the Etiology of Mental Disorders"

Prague, Ceskoslovenska Psychiatrie, Vol LIX, No 4, August 63, pp 229-233.

Abstract [Author's English summary, modified]: In the clinical material under investigation a significant statistical relationship was found between the blood-group incompatibility and the incidence of mental disorders. The interpretation is that the incompatibility may be one of the factors creating conditions for mental disorders through a biological weakening of the patient. Thirteen references, including 5 Czech and 1 Hungarian.

CZECHOSLOVAKIA

MISSIK, T.; POLAKOVA, T.; MARCINKOVA, A.; Psychiatric Department
Okresni Institute of National Health (Psychiatricke Oddelenie
OUNZ), Nitra.

"Rehabilitation Problems in Group Therapy of Alcoholics."

Prague, Ceskoslovenska Psychiatrie, Vol 62, No 3, Jun 66, pp
182 - 185

Abstract: The basis of the treatment at the Institute where the authors work is an establishment of a conditioned reflex against alcohol. All the patients were directed to the Institute by the authorities; the treatment always lasts 3 months. It is probable that such a short treatment could be successful only if the patients would come voluntarily to the Institute to receive treatment; those that are directed to come would need a much longer period of treatment. Of the 892 patients treated only 20% became abstinent. 6 Western, 1 Czech reference. (Manuscript received 11 Sep 65).

1/1

SUCHKOV, V.V.; MISSIONZHNIK, E.Yu.

Characteristics of the functional state of blood circulation
in a replanted extremity. Trudy 1-go MMI 42:64-74 '65.

(MIRA 19:2)

1. Laboratoriya po peresadke organov i tkaney AMN SSSR.

MISSION, II.

A few comments on instructions concerning industrial safety and hygiene. p. 131.
CZYMNA PRACY; BEZPIECZENSTWO I HIGIENA PRACY, Warszawa, Vol. 9, no. 6, June 1955.

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

RUMANIA

MIHAILIDE, M., MD; MISSIR, Al., Pharmacist.

1. Smeeni Health Precinct, PLOIESTI Regiune (Circumscriptia Smeeni) - (for Mihailide); 2. Pharmacy No 45 in Smeeni, PLOIESTI Regiune (Farmacia No. 45 Smeeni) - (for Missir)

Bucharest, Viata Medicala, No 24, 15 Dec 63, pp 1705-1708

"Alindor - (~~But~~ Butamine, Antadol) Used in the Treatment of Influenza without Complications."

CRIVETZ, D.; MISSITS, Gh.; MPURE, P.

Electrolyte imbalance in pathogenesis of some rheumatic diseases,
with special reference to the painful syndrome with muscular
cramps in miners. Probl. reumat., Bucur. 3:239-254 1955.

(RHEUMATISM, etiol. & pathogen.
electrolyte balance disord.)

(ELECTROLYTES, metabolism
disord. in etiol. of rheum. dis.)

(OCCUPATIONAL DISEASES
rheum. in miners, etiol., electrolyte balance
disord.)

LUPASCU, Gh., prof.; CADARIU, G., prof.; BOSSIC-ANAVRITICANI, Aspasie
COSTIN, P., dr.; HUSCHITZ, P., dr.; BOZDOG, I., dr.; MISSITS, G.,
dr. [deceased]; IONOVICI, T., DR.; HAIVAS, Maria, dr.; JONES, V.,
dr.

Eradication of an old focus of ancylostomiasis. Microbiologia
(Bucur.) 9 no.3:225-230 Ny-Je '64

1. Lucrare efectuata in cadrul Institutului de igiena din Timisoara,
Statiunea de malarie-helminologie din Timisoara si Centrul
antihelminitic din Anina.

MOGA, A.. PITKA, P.; MISSITS, P.; UZA, Gh.; ZAHAN, M.; CUCUIANU, M.

The influence of salt-free diet and diuretic therapy on serum lipids in arteriosclerosis. Stud. cercet. med. intern. 6 no.3: 269-277 '65.

MOGA, A., acad.; CUCUIANU, M., dr.; MISSITS, F. dr.

The role of the fibrinolysis process in cardiovascular pathology.
Med. intern. (Bucur) 17 no.5:505-514 My '65

1. Lucrare efectuata la Institutul de cercetari medicale al Academiei
Republicii Populare Romine, Filiala Gluj(director: acad. A. Moga).

PIŢEA, P., dr.; CUCUIANU, M., dr.; MOGA, A., acad.; MIŞIŢI, P., dr.

On the significance of the serum glycoprotein changes in vascular diseases. Med. intern. 15 no.6:729-737 Je '63.

I. Lucrare efectuata in Clinica I medicala, I.M.F., Cluj
(director: acad. A. Moga).

(ARTERIOSCLEROSIS) (BLOOD PROTEINS)
(GLYCOPROTEINS) (MUCOPROTEINS)

KIEPURSKA-ZDZIENICKA, Jolanta: MISSIURO, Janina

A case of glycogen disease. *Pediat. polska* 35 no.8:904-907 Ag '60.

1. Z Kliniki Diagnostyki Chorob Dzieci w Warszawie Kierownik: prof.
dr med. Z. Lejmbach.

(GLYCOGENOSIS case reports)

MISSIURÓ

MISSIURÓ W.

Stan obecny i kierunki rozwojowe fizjologii pracy. [Present
state and trends in work physiology/ Polski tygod. lek. 5:20
15 May 50 p. 761-4.

1. NAI
CLML Vol 20, No. 2 Feb 1951

MISSIURO, W.

Plans for coordination of studies in the field of physiology.
Polski tygod.lek. 5 no.35-36:1249-1252 4 Sept 50. (CML 20:5)

I. Of the Institute of Work Physiology (Head--Prof.Wlodzimierz
Missiurow,M.D.)of Warsaw Medical Academy.

MISSIURC, W.

The principles of Pavlovian physiology. Acta physiol. polon. 3 no.2:141-170 1952. (CMLL 23:4)

1. Of the Institute of Work Physiology (Head--Prof. Wl. Missiurc, M.D.) of Warsaw Medical Academy.

MISSIURO, W.

Physical condition and work capacity of the organism according to Pavlov's theory. Acta physiol. polon. 3 Suppl. 3:11-36 1952. (GIML 24:1)

1. Of the Institute of Work Physiology (Head--Prof. W. Missiuo, M. D.) of Warsaw Medical Academy.

MISSIURO, W.

Effect of some emotional conditioned reflexes on work capacity. Acta
physiol. polon. 3 Suppl. 3: 77-84 1952. (CJML 24:1)

1. Of the Institute of Work Physiology (Head--Prof. Wl. Missiuo, M.D.)
of Warsaw Medical Academy.

MISSIURO, W.; KOZLOWSKI, S.; WOJCIESZAK, I.

"Influence of the stimuli of social environment on vegetative functions and on vegetative functions and on work capacity", p. 207, (ACTA PHYSIOLOGICA POLONICA, Vol. 4, No. 3, 1953, Warszawa, Poland)

SO: Monthly List of East European Accessions, L.C., Vol. 3, No. 4, April, 1954

Misiura, W.

POLON

Influence of functional state of cerebral cortex on capacity for work. W. Misiura, S. Koslowski, and I. Wojciechak *Bull. Acad. Polon. Sci.*, 1954, 2, 171-175 (Dept. of Physiol., Sch. of Med., Warsaw, Poland) — Individual variations were observed in the amount of work, as measured on an ergograph, which an individual could perform when working alone as compared with when working with others doing the same work. Variations also occurred according to whether the companion was better or worse at doing the work. Caffeine administration prior to the work to those normally showing a decrease when working in company resulted in an increase, whilst NaBr administration to those showing an increase when working in company resulted in a decrease in the amount of work they could perform in company. (French) A. ACKROYD.

MISSIURO, W.; KOZLOWSKI, St.; WOJCISZAK, I.

Effect of cerebral cortical function on working capacity during action of certain environmental stimuli. Acta physiol. polon. 5 no.4:538-543 1954.

1. Z Zakładu Fizjologii Pracy Akademii Medycznej i Zakładu Fizjologii Instytutu Naukowego Kultury Fizycznej w Warszawie. Kierownik: prof. dr Wl.Missiuro.

(CAFFEINE, effects,

on working capacity after exposure to environmental stimuli)

(BROMIDES, effects,

on working capacity after exposure to environmental stimuli)

(WORK,

eff. of bromides & caffeine on working capacity after exposure to environmental stimuli)

(ENVIRONMENT,

eff. of bromides & caffeine on working capacity after exposure to environmental stimuli)

MISSYURO, V. I.

Conditioned reflex mechanism of the effects of emotions on ability to work. Fiziol.zhur. 41 no.1:31-34 Ja-F '55 (MIRA 3:4)

1. Laboratoriya fiziologii truda Meditsinskoy akademii, Varshava.

(WORK, physiology,

eff. of emotions on working capacity, conditioned reflex mechanism)

(EMOTIONS, effects,

on working capacity, conditioned reflex mechanism)

(REFLEX, CONDITIONED,

reflex mechanism of eff. of emotions on working capacity)

MISSIURO, Wlodzimierz (Warszawa, ul. Marymoncka 34.)

Data on the physiological fundamentals of preventive medicine. Polski
tygod. lek. 13 no.20:770-773 19 May 58.

(MEDICINE, PREVENTIVE
physiol. bases (Pol))

MISSIURO. W.

Studies on the development of reflex mechanisms in children. Acta
physiol.polon. 11 no.5/6:842 '60.

I. Z Zakladu Fizjologii Pracy A.M. Z Zakladu Fizjologii I.N.K.F.
w Warszawie. Kierownik: prof.dr W.Miasiuro.

(REFLEX)

(ELECTROMYOGRAPHY)

MISSIURO, Wladzimirz; KOZLOWSKI, Stanislaw

Electromyographic studies on functional reorganization of antagonistic muscles. Acta physiol.polon. 12 no.1:39-55 Ja-F '60.

1. Z Zakladu Fizjologii Pracy A.M. z Zakladu Fizjologii Inst. Nauk. Kult. Fiz. w Warszawie. Kierownik: prof.dr Wl.Missiuo.
(MUSCLES physil.)

MISSIURO, Wodzimierz, prof.

The influence of environmental stimuli and of intrinsic stimuli on the working capacity and on resistance to fatigue. Rumanian M Rev. no.1: 191-200 Ja-Mr '61.

1. The Institute of Investigations on Physical Culture, Laboratory of Labour Physiology of the Academy of Medicine, Warsaw.
(MUSCLES physiology) (EXERTION physiology)
(CAFFEINE pharmacology) (BROMIDES pharmacology)

MISSIURO, Wlodzimierz; KIRSCHNER, Henryk; KOZLOWSKI, Stanislaw

Electromyographic manifestations of fatigue during work of various degrees of intensity. Acta physiol. Pol. 13 no.1:11-23 '62.

I. Z Zakladu Fizjologii Pracy A.M. z Zakladu Fizjologii I.N.K.F. w Warszawie Kierownik: prof. dr W. Missiuro.

(ELECTROMYOGRAPHY) (FATIGUE) (EXERTION)

MISKOWSKI, Boleslaw, prof. dr

For what is physical fitness necessary today? Problems 19
(1964) no. 2.164-171 164.

1. Head, Department of Labor Physiology, Polish Academy of
Sciences, Director, Scientific Institute of Physical Culture,
Warsaw.

3 6689-65 EWG(j)/EWG(r)/EWT(l)/A/FS(y)-3/EWG(r)/EWI(a)/EWG(e) Pg-5/Endorse
 AFWL/APEIR/APADG/SSD/ESD(e)/AFB DB

ACCESSION NR: AF4046514

P/0056/64/015/004/0495/0501

66
64

AUTHOR: Markiewicz, L. (Markivich, L.); Migajuro, W. (Mazayars, Vl.); Brzezinska, Z. (Brazzin'ska, Z.); Sawicka, A. (Savitka, A.)

TITLE: Biochemical and morphologic changes in brain tissue induced by vibration

SOURCE: Acta physiologica polonica, v. 15, no. 4, 1964, 495-501

TOPIC TAGS: vibration, nervous system, mediator, brain, frequency, nerve structural change

ABSTRACT: The effect of vibration on the functional state of the central nervous system was studied. Experiments were carried out on the behavior of mediators of the nervous system, noradrenaline and acetylcholine, in the brains of rats subjected to vibration of frequency 50 and 75 Hz, four hours each day during one week. An increase in both mediators was observed. The highest values of noradrenaline were found four hours after single exposition to vibration. The increase at that time was 111% of normal at frequency 50 Hz, and 116% at frequency 75 Hz. After several days exposure to vibration the high levels of acetylcholine diminished, but were still 55-58% above normal. The content of noradrenaline was also elevated, parallel to increasing time of exposure to vibration. After 6 days'

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ACCESSION NR: AP4046514

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exposure the values were 100% higher at frequency 50 Hz, and 32% at frequency 75 Hz. Histologic examination of the brains revealed disappearance of tigroid in the cytoplasm of the nerve cells, especially in the hypothalamus. As may be seen from the experimental findings, vibration of this intensity induces changes in the structure of the nerve cells and increases the levels of the adrenergic and cholinergic mediators. Even brief vibration probably is not without effect on the body.

ASSOCIATION: Zakład Fizjologii i Higieny Pracy CIOP, Warsaw (Institute of Physiol-
ogy and Hygiene CIOP); Zakład Fizjologii Pracy PAN, Warsaw (Institute of Physi-
ology of the Polish Academy of Sciences)

SUBMITTED: 28Feb64

ENCL: 00

SU: CDS: 15

NO REF HOW: 001

OTHER: 010

Card 2/2

L 47/51-65 EWG(1)/EWG(r)/EWT(1)/PS(v)-3/EWG(v)/EWG(a)-2/EWG(c) Pe-5 DD
ACCESSION NO: AF5013216 PO/0056/65/016/002/0207/0217 30

AUTHOR: Lubanska-Tomashevska, L. (Lubanska-Tomashevska, L.), Miasuro, V. (Miasuro, V.)
syuro, V.) (Professor, Doctor, Director); Sawicka, A. (Sawicka, A.)

TITLE: The effect of vibration on the histochemistry of adrenal and cerebral tissues

SOURCE: Acta physiologica polonica, v. 16, no. 2, 1965, 207-217

TOPIC TAGS: vibration, biological effect, histochemistry, adrenal gland, brain

ABSTRACT: The effect of vibration on the histochemistry of the adrenal and cerebral tissues was studied as a function of the noradrenaline, adrenaline, and ascorbic acid content in these organs. Rats were exposed to vibration at a frequency of 50 cps with an amplitude of 0.1 mm for 4 hr daily over a period of 6 days. Vibration increased the noradrenaline content while decreasing the adrenaline content of cerebral and adrenal tissues. It also increased the ascorbic-acid content of cerebral tissues but lowered its content in adrenal glands. A histological examination of cerebral tissues revealed that vibration over a period of several days led to distinct chromatolysis. Foci of cellular exhaustion characterized by the absence of lipid bodies were observed in the zona fasciculata and zona reticularis of the adrenal glands. Orig. art. has: 6 figures. [CD]

Card 1/2

I 47751-55

ACCESSION NO: A25013216

ASSOCIATION: Zaklad Fizjologii Pracy PAN, Warsaw (Laboratory of Industrial Physi-
ology, PAN); Zaklad Fizjologii i Higieny Pracy CIOP, Warsaw (Laboratory of Industrial
Physiology and Hygiene, CIOP)

SUBMITTED: 10/06/64

ENCL: 00

SUB CODE: 15

NO REF SOY: 005

OTHER: 018

ATD PRESS: 4004

Card 2/2

MISSOL, W.

The Structure of Layers of Sintered Carbides Welded on by
an Electrodeposition Method. A. BRYLAK and W. MISSOL
(Metals, 1966, 36, (8), 77-86). (In Polish). ~~Metals~~
indicated that there is no similarity in the
structure of welded-on layers and that of sintered carbides.
The grain size of welded-on carbides was below 0.1 μ . X-ray
analysis showed that there is a decrease in W₂C content, the
latter being formed from WC and from solid solution of WC
and TiC. - v. G.

① Dk
mit

MISSOL, W

Sintering of boron carbide under pressure. Edmund
Brvjak, Witold Mizzi, and Zbigniew Bojarski. *Stalwa*

23, 137-20 (1963).-- In order to increase the mech. strength of B₄C the authors investigated sintering under pressure B₄C with Fe, with Si, and with FeSi. It was found that the optimum temp. of sintering is 1620-1770° as measured by a pyrometer with a W filament or 1400-50° as measured by an ardometer (the true temp., however, must have been 100-300° higher). Higher temps. than those given above resulted in bubble formation, incipient melting, or full melting. The following products were obtained: B₄C 90 + Si 10%, B₄C 95 + Si 5%, B₄C 90 + FeSi 10%, B₄C 95 + FeSi 5%, B₄C 90 + Fe 10%, B₄C 95 + Fe 5%, and B₄C 75 + Fe 25%; their "practical" ds. were 2.44-2.47, 2.45-2.48, 2.45-2.49, 2.49-2.50, 2.45-2.48, 2.47-2.48, and 2.62, resp.; their relative ds. in % were 98-99, 98-98.5, 90-97, 98.5-99, 91-92, 95-95.5, and 80.5, resp. The relative ds. decrease with an increase in Fe content. The products contg. B₄C + Fe were cracked. It was found that free Si reacts during sintering with free C and forms SiC (this reaction took place whether the sintering was carried out with Si or FeSi). Products composed of B₄C + Fe contained an addnl. unidentified phase which the authors named η. In general the products were very hard, brittle, and very resistant to attrition.
E. J. Hendel

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Wiz

MM
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MISSOL, W

27 18
✓ Rollers from sintered carbides for cold-rolling, Edmund
Prylak and Witold Missol, *Wiadomości Hutnicze* 14,
6(1):134-8 (1968).—The chem. compn. of sintered carbides for
rollers used in cold-rolling is given and the technology of pro-
duction of the rollers is described. Z. Kurtyka

4
AL

11/6

MISSURA, T.

Conservative trends in the therapy of pyramidal suppurative.
Magy. sebesszet 5 no. 4:307-311 Nov 1952. (GIML 24:1)

1. Doctor. 2. Ear, Nose, and Throat Department (Head Physician --
-- Prof. Dr. Istvan Krepuska) of Istvan Hospital and Ear, Nose, and
Throat Department (Head Physician -- Prof. Dr. Laszlo Fleischmann of
Peterffy Sandor-utcai Hospital.

MISSURA, T.

Primary laryngotracheal scleroma cured with streptomycin. Orv.
hetil. 93 no. 8:257-258 24 Feb 1952. (CIWL 23:3)

1. Doctor. 2. Ear and Throat Department (Head Physician -- Prof.
Dr. Laszlo Fleischmann), Peterfy Sandor-utca Hospital (Director --
Dr. Pal Zellner).

MISSURA, Tibor, dr.; GALLE, Tibor, dr.

Primary osteoclastoma of the frontal sinus. *Magy. radiol.* 6
no.3:124-126 July 54.

1. Peterfy Sándor utcai kórház rendelő (igazgató-főorvos: Lendvai
József dr.) Fül-orr-gégeszeti osztályának (főorvos: Fleischmann
László dr., az orvostudományok doktora) és Röntgen-osztályának
(főorvos: Deák Pál, dr.) közleménye.

(FRONTAL SINUS, neoplasma

giant cell tumor)

(GIANT CELL TUMORS

frontal sinus)

MISSURA T.

NAGY, Gyorgy, dr.; MISSURA, Tibor, dr.

Otological relations in cranial injuries. Orv. hetil. 95 no.32:
872-874 8 Aug. 54.

I. Mukaképessegesokkentest Vélemények Orvosi Bizottságok (vezető:
Erdelyi Pál dr.) I. fokú full-orr-gege bizottságának közleménye.

(CRANIUM, wds. & inj.

ear exam. after)

(EAR, in various dis.

cranial inj., exam.)

(WOUNDS AND INJURIES

cranium, ear exam. after)

EXCERPTA MEDICA Sec 11 Vol 9/8 O.R.L. Aug 56

[47]. MISSURA T. Sándor utcai kórház-rendelő, Péterfy. "Egyszerű műtéti eljárás fiatalkori orrgarat-fibroma eltávolítására. Simple method for removal of the juvenile basal fibroma FUL-ORR-GÉGE-GY. 1955, 1 (23-27) Illus. 3

Removal of the tumour by surgical diathermy by means of rubber-isolated wire loop. Surján - Budapest (XI, 5, 16)

MISSURA, Tibor, dr.; JAKO, Geza

~~MISSURA, Tibor, dr.; JAKO, Geza~~
Besnier-Boeck-Schaumann sarcoidosis of the upper respiratory tract. Orv. hetil. 96 no.20:556-557 15 May 55.

1. A Peterfy Sandor-utcai korhaz-Randelo (igazgato-Lendvai, Jozsef dr.) Ful- orr- gegesztalyanak (forvos: Fleischmann, Laszlo, az Orvostudomanyok Doktora) kozlemsnye.

(SARCOIDOSIS,

nose.)

(NASAL CAVITY, diseases,
sarcoidosis.)

SZMUK, Imre, dr.; BACH, Imre, dr.; DANZIGER, László, dr.; ~~FEKETE~~, Balázs, dr.;
FLEISCHMANN, László, dr.; JAKO, Géza, dr.; MISSURA, Tibor, dr.;
POPPER, Szuzsanna, dr.; SZABADOS, Daisy, dr.

Use of radioiodine in localization of inflamed regions (foci,
abscesses). Orv. hetil. 97 no.34:949-951 19 Aug 56.

I. A Fovarasí Peterfy Sándor u. Korhazrendelo (igazgato:
Lendvai, József, dr.) közleménye.

(BRAIN, abscess

exper., localization with radioiodine in dogs (Hun))

(IODINE, radioactive

in localization of exper. brain abscesses in dogs (Hun))

MISSUTI, J.

"Increasing the number of seedlings per hectare in the afforestation process." p. 160;
"Improving cultures by ." p. 161. (Polana. Vol. 9, no. 7/8 July/Aug. 1953 Praha.)

SO: Monthly List of East European Accessions, Vol.3, No.2, Library of Congress, Feb. 1954, Uncl

MISTAKOPULO, N.F. (Moskva, Begovaya ul., d.11, kv.54)

Elimination of proserin-induced bro^{ch}ospasm by air massage of
the lungs in an experiment; preliminary report. Grud. khir.
I no.4:80-87 JI-Ag '59. (MIRA 15:3)

1. Iz laboratorii anesteziologii (zav. - kand.med.nauk V.P.
Smol'nikov) Instituta grudnoy khirurgii AMN SSSR (dir. - prof.
A.A. Busalov, nauchnyy rukovoditel' - akademik A.N. Bakulev).
(NEOSTIGMINE) (MASSAGE)
(BRONCHI--DISEASES)

MEDVEDEV, I.A.; MISTAKOPULO, N.F.

Results of the local use of antibiotics in operations on the heart
and large vessels. Eksp. khir. 5 no. 5:24-26 '60. (MIRA 14:1)
(CARDIOVASCULAR SYSTEM—SURGERY)
(ANTIBIOTICS)

ZOL'NIKOV, S.M.; NESTAKOPULO, N.F.

Experimental and clinical prolongation of the action of succinyl-
choline (ditilin) with proserine. Khirurgia 36 no.7:44-46 Je '60.
(MIRA 13:12)

(CHOLINE)

(NEOSTIGMINE)

KOVANEV, V.A.; MISTAKOPULO, N.F.; RYABOV, G.A.; SMOL'NIKOV, V.P.

Some properties of muscle relaxants. Vest. khir. 84 no.5:77-81
My '60. (MIRA 13:12)

(MUSCLE RELAXANTS)

MISTAKOPULO, H. F.

Partial and total bronchospasm in operations on the heart and
lungs. Grud. khir. no.2:66-72 '62. (MIRA 15:4)

1. Iz Instituta grudnoy khirurgii (dir. - prof. S. A. Kolesnikov;
nauchnyy rukovoditel' - akad. A. N. Bakulev) AMN SSSR. Adres
avtora: Moskva, V-49, Leninskiy prosp., d. 8. Institut serdechno-
sosudistoy khirurgii AMN SSSR.

(HEART--SURGERY) (LUNGS--SURGERY)
(BRONCHI--DISEASES)

MISTAKOPULO, N.F.

Some complications caused by muscle relaxants. Eksp. khir. i anest. 7 no.6:87-91 N-D '62.

(AIRA 17:10)

1. Iz Instituta serdechno-sosudistoy khirurgii (nauchnyy rukovoditel' - akademik A.N. Bakulev) AMN SSSR.

STENITSA, M. A.

"The Study of Influenzal Affections of the Nervous System,"
by M. A. Mistenitsa and A. M. Shvarts, Trudy Tomekogo Nauchno-
Issledovatel'skogo Instituta Vaktsin i Syvorotok (Works of the
Tomsk Institute of Vaccines and Sera) Vol 6, 1955, pp 144-148
(from Sovetskoye Meditsinskoye Referativnoye Obozreniye, No
15, 1956, p 26, abstract by K. Gorbunova)

"Ninety-four patients admitted with diagnoses of arachnoiditis, meningitis, meningoencephalitis, neuritis, and paralysis were examined. The patients were examined at varying lengths of time after the onset of the disease. Upon laboratory investigation, in A type virus influenza was found to play a part in the disease in 16 patients, specific influenzal antigens were observed in four patients, an antibody titer increase in ten, and influenza antigen and an increase in antibody titer in two. Conclusion: meticulous investigation of the nervous system in influenza patients, and laboratory investigations for influenzal infections in all patients with inflammatory-type affection of the nervous system of undetermined etiology are necessary." (U)

sum 1391

MISTERA, L.

Regional operations, the main task of the Czechoslovak Geographical Society. Sbor zem 69 no. 2&136 '64

MISTERA, LUDVIA.

GEOGRAPHY & GEOLOGY

MISTERA, LUDVIK. Geografie lidovych demokracii. Mapky sest, Dagmar Wildova.
Praha, Statni pedagogicke nakl., 1958. 344 p. (Ucebni texty vysokych skol)

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 3, March, 1959.
Unclassified

MISTERA, Ludvik, dr.

The Sokolov lignite basin. Sbor zem 69 no.1:46-59 '64.

1. Pedagogic Institute, Plzen, Valeslavinova 42.

MISTEREK, Boguslaw

Hot-dip stripable composition for the protection of tools against corrosion and damages. Przegl mech 20 no.24:738-740 '61.

1. Instytut Tworzyw Sztucznych, Warszawa.

(Tools) (Corrosion and anticorrosives)

MISTEREK, Boguslaw; KOSINSKI, Mieczyslaw

Stability testing of polyvinyl chloride blends at high temperatures. Polimery tworzyw wielk 7 no.7/8:256-259 J1-Ag '62.

1. Instytut Tworzyw Sztucznych, Warszawa.

MISTEREK, B.

Plastics at the 31st International Poznan Fair. Polimery tworzywa
wielk 7 no.10:385-388 0 '62.

MISTEREK, B.

Bibliographical review. Przegl epaw 17 no.1:3 of cover Ja '65.

MISTEREK, Witold, mgr.

Mechanization and automation of clerical work. Przegl
techn no.42:4 19 0 '60.

DRAK, Juliusz; HIRNLE, Zbigniew; MISTERKA, Stefan

Unusual etiology of an inflammatory tumor of the ileum
simulating a malignant neoplasm. Pol. przegl. radiol.
29 no.3:297-300 My-Je '65.

1. Z III Kliniki Chirurgicznej AM we Wrocławiu (Kierownik:
prof. dr. med. Z. Jezioro) i z Kliniki Radiologicznej AM
we Wrocławiu (Kierownik: doc. dr. Z. Kubrakiewicz).

MISTERSKI, W.

POLAND/Soil Science. Organic Fertilizers

J-6

Abs Jour : Ref Zhur - Biol., No 20, 1958, No 91474

Author : Misterski W., Andrzejewski A., Zizieblowski J.

Inst : Institute of Agrotechny

Title : On the Spreading of Manure in Winter

Orig Pub : Roczn. Nauk. Rolniczych, 1956, 173, No 3, 349-365

Abstract : In field experiments, made with potatoes for four years by the Institute of Agrotechnics, Fertilizers and Soil Science at the Baboruvko experimental farm, similar harvests have been obtained, independent of the time of spreading the manure after the deep autumn plowing. On a four year average, the following harvests of tubers are reported for different times of spreading: January-302 centners/ha, February 302, March 290 and April (with immediate tillage) 294 centners/ha. The same results have already been obtained at three farms with slightly different climatic conditions. Winter application is not permissible on slopes. -- A.I. Zhurbitskiy

Card : 1/1

Poland
CATEGORY : Cultivated Plants. Fodder Grasses and Roots.
RES. JOUR : *Ref. Jour - Biologia*, No. 5, 1959, No. 20362
AUTHOR : Mistowski, Wladyslaw
INST. : Inst. of Fertilizers and Agriculture
TITLE : Simultaneous Fall Sowing of Red Clover and Winter Rape.
ORIG. PUB.: Wydawn. własne Inst. uprawy, nawożenia i gleboznawstwa, 1957, No. 61, 81-85
ABSTRACT : It has been determined by experiments made by the Institute of Fertilizers and Agriculture at its experimental field in Baborovka (Poland) that after the harvest of rape, clover reaped in the middle of August yields a roughage crop of up to 150 cwt/ha. Leaving the clover until the middle of September produced a yield of seed totaling 0.7-1.6 cwt/ha. It is recommended that one sow 8 kg/ha of winter rape seeds and 20-25 kg/ha of red clo-

CARD: 1/2

MISTERSKI, V.; LOGINOV, V. (Baboruvka, Pol'sha)

Investigating physical and chemical properties of humic acids [with
summary in English]. Pechvedenie no.2:39-51 F '59.
(MIRA 12:3)

(Humic acid)

MISTERSKI, W.; LOGINOW, W.; PAJEWSKI, M.

Research on the dynamics of nutrition of winter Camelina (Camelina Sativa). Rocznik nauki rolno-lesnej 80 no.2:391-407 '99. (EEAI 9:11)
(Poland--Camelina sativa)

MISTERSKI, Wladyslaw; LOGINOW, Wlodzimierz

The management of farmyard manure and its importance as fertilizer
in the light of research. Postepy nauk roln 7 no.2:75-89 Nr/Ap '60.
(EKAI 9:10)

1. Instytut Uprawy, Nawozenia i Gleboznawstwa, Baborowko.
(Fertilizers and manures)

MISTERSKI, WL.; LOGINOW, WL.

Research on the physico-chemical properties of humus. Acta agrobotan
9 no.1:189-193 '60.

1. Zakład Doświadczalny Baborowko, Polska Akademia Nauk, Warszawa.

MISTERSKI, Wladyslaw; LOGINOW, Wlodzimierz

Studies on humus. Pt.3. Rocznik nauki rolniczej 80 no.4:675-698 '60.

(Poland--Humus) (Compost)

(EEAI 9:11)

MISTERSKI, Wladyslaw

Fertilizing with straw in the light of recent research. Postępy
nauk roln 10 no.3:93-107 My-Je'63

1. Instytut Uprawy, Nawożenia i Gleboznawstwa, Wrocław.

MISTETH, Endre, okleveles mernok

A new method for determining limit stresses by means of probability calculus. Melyepitestud szemle 13 no.11:492-507 N°63.

1. Vizugyi Tervezo Iroda irodavezeto fomernoke.

KORENYI, Gyula, okleveles mérnök, MAV muszaki tanácsos, főmérnök;
MISTETH, Endre, okleveles mérnök

Design and construction of the Tatabánya underpass on the
No.1 highway. Melyepítéstud szemle 13 no.5:208-217 My '63.

1. MAV Hídépítési Főosztály, Budapest (for Korenyi).
2. Vizügyi Tervező Vállalat osztályvezetője (for Misteth).

L 44617-66 EWP(w) IJP(c) EM

ACC NR: AT6033128

SOURCE CODE: IU/2504/66/053/03-/0297/0325

AUTHOR: Misteth, E. --Mishtet, E.

ORG: Planning Institute for Hydraulic Constructions, Budapest

TITLE: New method for the determination of the limit bearing force by using the probability calculus

SOURCE: Academia scientiarum hungaricae. Acta technica, v. 53, no. 3-4, 1966, 297-325

TOPIC TAGS: concrete, reinforced concrete, structural steel

ABSTRACT: Methods for the calculation of the economically most favorable risk for limit bearing forces based on data about the magnitudes and risks involved, and the mean error of the ultimate bearing forces obtained by testing were described. The methods were described in detail, and examples indicating their use for post-stressed concrete structures, pre-stressed concrete structures, reinforced concrete cantilevers, steel structures, and others, were presented. It was concluded that an economical and appropriate increase in the limit bearing force can be attained by the use of more reliable, rather than better, materials. Orig. art. has: 12 figures, 13 formulas and 5 tables. [Orig. art. in Eng.] [JPRS: 36,645]

SUB CODE: 11 / SUBM DATE: 06May63 / ORIG REF: 006 / OTH REF: 002

Card 1/1 blg

0920 0682

MEZENTSEV, Vladimir Andreyevich; YEFREMEKO, P.N., red.;
MISTETSKIIY, G.P. [Mystets'kyi, H.P.], red.

[Chemistry in questions and answers] Khimia v zapytanniakh
i vidpovidiakh. Kyiv, 1964. 78 p. (Tovarystvo "Znaniia"
Ukrains'koi RSR. Seriiia VI, no.4/5) (MIRA 18:9)

MISTOR, P., prof. (Arad)

Contribution to the teaching of geography in the 5th and 6th grades. Natura Geografie 15 no.4:50-53 JI-Ag '63.

I 42252-66 FWP(j)/T LJP(c) RM
ACC NR: AP6031486

SOURCE CODE: CZ/0008/66/000/004/0479/0498

AUTHOR: Mistr, Adolf; Laznicka, Vladimir

ORG: Institute for Pure Chemicals, Brno (Ustav cistych chemikalii)

TITLE: Organic substances sensitive to light used in photomechanical reproduction

SOURCE: Chemicke listy, no. 4, 1966, 479-498

TOPIC TAGS: photosensitivity, photographic chemistry, chemical bonding, nonmetallic organic derivative, halogenated organic compound

ABSTRACT: The article discusses substances which are used in polygraphic industry, and in the electrotechnical low-current technology. Substances containing a diazo-group are reviewed. Light influences the solubility of these substances; their photosensitivity is a function of their nitrogen-carbon bond. O-quinondiazides, substances containing an azide group, and the manner in which the azide group is bound to the rest of the molecule are discussed. Aromatic derivatives are described. Layers with sensitivity based on the initiation of polymerization, substances containing the group -C=O-, and the substances based on halogenated organic compounds are reviewed. The components normally used in such a layer are described. The mechanism of their photosensitivity is discussed. Orig. art. has: 1 figure. [JPRS: 36,464]

SUB CODE: 14, 07 / SUBM DATE: none / ORIG REF: 001 / SOV REF: 001

OTH REF: 058

Card 1/1 *sh*

55
B

0976 2767

CHLYERNIK, Yev [Cernik, J.]; MISTR, Adol'f [Mistr, Adolf]; VAVROVA,
Yaroslava [Vavrova, J.]; VAVRA, Milosh [Vavra, Milos]

Photographic properties of meso-stylylthiocarbonyl dyes. Zhur.
nauch. i prikl. fot. i kin. 19 no.1:94-98 Ja-F 65. (MIRA 18:4)

L. Institut chistykh reaktivov, Brno, Czechoslovakia.

MISTRIK, A.

"Improving the Preparatory Work for the Drafting of the Economic Plan for 1954"
p. 121, (POLANA, Vol. 9, no. 6, June 1953, Praha, Czechoslovakia).

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

MISTRIK, A.

"Increasing Vigilance, Improving the Working Methods of Protecting Forests Against Fire" p. 123, (POLANA, Vol. 9, no. 6, June 1953, Praha, Czechoslovakia).

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

MISTRK, Augustin, inz.

Present problems of the labor supply in forestry. Les cas
10 no. 1:35-44 Ja '64.

1. Ministerstvo zemedelstvi, lesniho a vodniho hospodarstvi,
Praha.

CZECHOSLOVAKIA/ Chemical Technology - Chemical Products and H.
Their Application - Industrial Organic Synthesis.

Abs Jour : Ref Zhur - Khimiya, No 9, 1958, 29707

Author : Mistrik, Ed.J.

Inst :

Title : Furfurol--A New Domestic Chemical Raw Material.

Orig Pub : Chem Prumysl, 6, No 8, 322-324 (1956) (in Slovak)

Abstract : A survey of furfural processing methods, including the catalytic hydrogenation and decarboxylation of furfural, and of the formation of resins and condensation products of furfural.
The bibliography lists 62 articles.

Card 1/1

24649

15.8130

Z/043/61/000/009/001/001
D215/D303

AUTHORS:

Mistri^š J., and Bobula S.

TITLE:

Contribution to the study on kinetics of furfuryl-
alcoholic resin formation

PERIODICAL:

Chemické zvesti, no. 9, 1961, 625-630

TEXT: The article describes tests performed to determine the catalytic influence of hydrochloric, sulfuric, oxalic, and phosphoric acid on the polycondensation of furfuryl alcohol. The main reaction, taking place at homopolycondensation of furfuryl alcohol, is intermolecular dehydration with the hydroxyl group and alpha-hydrogen reacting as functional groups. The product of this reaction is 2-hydroxymethyl-5-furfurylfurane (III) which, in turn, reacts with other furfuryl-alcohol molecules during the formation of a liquid, linear polycondensate (IV). By-reactions, taking place at more advanced polycondensation stages, lead to the formation of difurfuryl ether (I), di-2-furfuryl methane (II) and formaldehyde. In the presence of protons, levulinic acid originates by water addition to

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24649

Contribution to the study...

Z/043/61/000/009/001/001
D215/D303

furfuryl alcohol. Tests, in which the catalytic influence of the above acids was studied, were conducted in a region where products type III, eventually also I and II, occurred. The tests produced the following results: The catalytic effect decreases in the order hydrochloric-sulfuric-oxalic-phosphoric acid and depends on the dissociation degree of the respective acid. This catalytic effect of protons can be explained by proton addition to the free electron pair on the oxygen atom of the furfuryl-alcoholic OH group. The originating oxonium cation disintegrates into water and a carbonium ion which reacts with another furfuryl-alcohol molecule in the alpha-position and yields a product of the type III. It was found that strong mineral acids are not suitable catalysts, since rapid polycondensation occurs already at concentrations of $1 \cdot 10^{-3}$ to $2 \cdot 10^{-3}$ gramequival. acid/100 ml furfuryl alcohol. Monomer furfuryl alcohol can, therefore, only be stored in the absence of free-acid traces. Kinetic measurements of furfuryl-alcohol polycondensation are complicated, since several reactions occur simultaneously and subsequently. During catalyzation with oxalic acid, it could be determined

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Z/043/61/000/009/001/001
D215/D303

Contribution to the study...

that condensation depending on time features a reaction of the first order. Prevailing polycondensation products are those of type III and IV, the yield of product type II is negligible. Both the originating formaldehyde and the levulinic acid have no influence on reaction kinetics. The reaction temperature has a great influence on the polycondensation rate which increased 1.8 times when the temperature rose from 80 to 90°C, and 1.6 times when the temperature rose from 90 to 100°C. An efficient temperature control is, therefore, a must in polycondensation reactions. The activation energy for the oxalic-acid catalyzed polycondensation, calculated by the logarithmic form of the Arrhenius equation is $E = 13.62 \pm 0.88$ kcal/mol. This value is the arithmetic mean for 80, 90, and 100°C; constants of the Arrhenius equation \log

$k = B - \frac{A}{T}$ are $B = 5.097$ and $A = 2977$. The authors thank Professor, Doctor J. Gašperník for his valuable contributions. There are 4 figures, 1 table, and 6 references: 1 Soviet-bloc and 5 non-Soviet bloc. The references to the English-language publications read as follows:

Card 3/4

24649

Contribution to the study...

Z/043/61/000/009/001/001
D215/D303

A. P. Dunlop, F. N. Peters: Ind. Eng. Chem. 34, 814 (1942); D. R. Stull:
Ind. Eng. Chem. 39, 522 (1947); Y. Hachihama, T. Shono: Technology reports
of the Osaka University 4, No 133, 413 (1954).

ASSOCIATION: Výskumný ústav pre petrochémiu v Novákoch (Research
Institute for Petrochemistry in Nováky); Katedra organickej
technológie Slovenskej školy technickej v Bratislave
(Department of Organic Technology at the Slovak Institute
of Technology in Bratislava).

SUBMITTED: October 17, 1960

Card 4/4

S/081/63/000/002/052/088
B171/B102

AUTHORS: Repás, Milan, Mistrík, Edmund Juraj, Pačera, Jiří
TITLE: Liquid-phase-method and plant for continuous preparation of ethylene chlorohydrin from ethylene oxide and hydrogen chloride
PERIODICAL: Referativnyy zhurnal. Khimiya, no. 2, 1967, 401, abstract 2N25 (Czechosl. patent 100737, Aug. 15, 1961)

TEXT: A patent has been granted for the preparation of concentrated (95-100%) ethylene chlorohydrin (I). Ethylene oxide (II) and HCl are fed through perforated pipes or ceramic bubblers into a cylindrical reactor (RT), filled with a liquid which, although miscible with I and solvent of II and HCl, does not react with any of these substances. Raw materials are fed at the rate of 100-1000 l/hr per 1 l of RT capacity, at a temperature from -30 to 100°C (preferably ~70°C), using 1.005-1.01 mole of HCl to 1 mole of II. The incoming minute bubbles of II and HCl vigorously react to form I. The mixture, warmed by the heat of the reaction, is water-cooled in a thermo-siphon and returned into the RT. The

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Liquid- phase-method and plant ...

S/OB1/63/000/002/050/088
B171/3102

generated I is continuously discharged through a cooler at the rate of 175-1750 l/hr per liter of RT capacity, showing thus a yield of 90-100% with respect to II. For example, if 100 kg/hr of II and 51.2 m³/hr of HCl are fed at 0-25°C into the lower part of the RT (having an inside diameter of 350 mm and a capacity of 100 l), 180 kg/hr of I are produced (yield of 99%). A flow sheet is given. [Abstracter's note: Complete translation.]

Card 2/2

MISTRIK, Juraj Ed.; FOLIEVKA, Milan

Hydrogenation of the products of oxo synthesis. Chem prum 12 no.3:
123-128 Mr '62.

1. Vyskumny ustav pre petrochemiu, Novaky.

MISTRIK, Ed. Jurař; POLIEVKA, Milan

Hydrogenation of oxo synthesis products. Pt.2. Chem prum 13 no.3:
129-133 Mr '63.

1. Vyskumny ustav pre petrochemii, Novaky.

MISTRK, Ed. Juraj

Hydrogenation of oxo-synthesis products. Pt. 3. Chem
prum 13 no. 12: 622-626 D '63.

1. Vyskumny ustav pre petrochemiu, Novaky.

MACHO, Vendelin, inž., CSc.; MISTRÍK, Edmund Juraj, inž., CSc.;
STRESINKA, Josef, inž.

Effect of diolefins on oxo synthesis. Chem zvesti 17 no.9:
629-639 '63.

1. Vyzkumny ustav pre petrochemiu, Novaky.

MISTRIK, Ed. J.; MACHO, V.

Alcohol manufacture by oxo synthesis. Ropa a uhlie 6
no. 4: 97-100 Ap '64.

1. VUP, Novaky.

L 1376-66 EPF(c)/EWP(j) RM

ACCESSION NR: AP5024530
44,55

CZ/0043,64/000/010/0732/0738 30
27
0

AUTHOR: Macho, V. (Makho, V.) (Engineer, Candidate of sciences) (Novaky); Mistrik, E.J. (Engineer, Candidate of sciences) (Novaky)
44,55

TITLE: Hydroformylation of propylene by using its product with a high boiling point as solvents
7,44,55

SOURCE: Chemické zvesti, no. 10, 1964, 732-738

TOPIC TAGS: propylene, chemical kinetics, solvent action, thermochemistry

ABSTRACT: [Authors' German summary, modified]; Discontinuous experiments were conducted to study the kinetics of propylene hydroformylation and selectivity at temperatures from 120 to 180 degrees centigrades and pressures of about 200 and 245 atmospheres (CO:H₂ = 1:1), and at a concentration of 0.1 percent by weight of cobalt. The total rate is expressed by the equation

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