

MAKSYMOWICZ-MILOSZ, Elzbieta; HILGERTNER, Leszek

Covar and covar glass in Poland and abroad. Przegl elektroniki 2 no.7:
425-441 '61.

1. Przemyslowy Instytut Elektroniki(for Maksymowicz-Milosz) 2. Zaklady
Szklnarskie - Ozarow, Biuro Roswojowe(for Hilgertner)

(Fernico)

L 31393-66

ACC NR: AP6021095

SOURCE CODE: CZ/0008/66/000/001/0078/0083

AUTHOR: Hilgertova, Jirina

27
B

ORG: Laboratory for Endocrinology and Metabolism, Faculty of General Medicine, Charles University, Prague (Laborator pro endokrinologii a metabolismus, Fakulta vseobecneho lekarstvi, Karlova Universita)

TITLE: Preparation and activity determination of pyridine nucleotidase in animal tissues

SOURCE: Chemické listy, no. 1, 1966, 78-83

TOPIC TAGS: pyridine, experiment animal, enzyme, tissue, physiology, liver, biochemistry

ABSTRACT: The author studied the activity of pyridine nucleotidase in the spleen and liver of rats, and compared the activities in the erythrocytes of rabbits, mice, man, rats, dogs, guinea pigs, and gophers. The preparation of enzymes from various sources is described. The determination of the enzymatic activity and units of this activity are discussed. Orig. art. has: 3 figures, 2 formulas, and 3 tables. [JPRS]

SUB CODE: 06 / SUBM DATE: 12Dec64 / OTH REF: 010

Card 1/1 CC

PODGORSKI, Andrzej, mgr. inż.; HILGIER, Janusz, mgr. inż.

A wide-band power amplifier for the recording of recovery transient voltage during short circuit tests. Inst elektrotech prace 10 no.28:33-46 '62.

1. Zakład Urządzeń Rodzielczych i Zabezpieczeń, Instytut Elektrotechniki, Warszawa.

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ELBAUM, Jakub, doc.; HILGIER, Janusz, mgr. inż.

Improvement of the parameters of the SC-200 contactor by applying
the impulse drive for alternate current to it. Przegl elektrotechn
38 no.7:312 J1 '62.

1. Instytut Elektrotechniki, Warszawa.

ELBAUM, Jakub, doc. mgr inz.; HILGIER, Janusz, mgr inz.

Contactor with A.C. driving electromagnet with solid core and armature.
Gosp paliw 11 Special issue no.(95):55-57 Ja '63.

1. Instytut Elektrotechniki, Warszawa.

HILKEN, I.

Use of artificial materials in railroad transportation. p. 202.
For speedy transportation of exports. p. 204.
ZELEZNICE, Prague, Vol. 4, no. 8, Aug. 1954.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 6,
June 1956, Uncl.

HILKEN, I. ; TRESNAK, Z.

"Use of polyamide hubs in the distribution mechanism of steam locomotives." p. 677.

STROJIRENSTVI. (MINISTERSTVO TEZKEHO STROJIRENSTVI, MINISTERSTVO PRESNEHO STROJIRENSTVI A MINISTERSTVO AUTOMOBILOVEHO PRUMYSLU A ZEMEDELSKYCH STROJU.)
Praha, Czechoslovakia, Vol. 5, no. 9, Sept. 1955.

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

Hilken, I.

CZECHOSLOVAKIA / Chemical Technology. Chemical Products and Their Application. Synthetic Polymers. Plastics. H

Abs Jour: Ref Zhur-Khimiya, No 9, 1959, 53323.

Author : Hilken, I., Tresnak, Z., Masin, A.

Inst : Not given.

Title : Heat Treatment of Polyamide Articles, Manufactured by Die Casting.

Orig Pub: Strojirenstvi, 1958, 8, No 7, 525-527.

Abstract: The influence of heat treatment of articles made of polycaprolactam on the structure and mechanical properties of the material were investigated. It was established that by keeping the polyamide in oil at 160-170° for 2 hours, its hardness is increased considerably. Supplementary heat treat-

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CZECHOSLOVAKIA / Chemical Technology. Chemical Products and Their Application. Synthetic Polymers. Plastics. H

Abs Jour: Ref Zhur-Khimiya, No 9, 1959, 33323.

Abstract: ment in boiling distilled water brings about a substantial lowering of hardness. The X-ray investigation of polyamide specimens by Hermans' method indicated the pre-eminently hexagonal structure of the crystalline phase of the articles, manufactured by die casting. X-ray diffractionograms and photometric curves are submitted, which show that during the heat treatment of polycaprolactam, there takes place a transition of the hexagonal structure of the crystalline phase into a monoclinic structure, thereby improving the mechanical properties of the polyamide (toughness, hardness, durability and abrasion). Since the abrupt change in the structure is observed at 170°

Card 2/3

273

HILKEN, I., inz.

"Polyethylene" by F.Tomis. Reviewed by I.Hilken. Strojirenstvi
11 no.12:952-953 D '61.

HILKEN, I., inz.

The 1st National Conference on Plastic Coatings. Strojirenstvi
13 no.3:235 Mr '63.

HILKEN, I., inz.

"Processing of thermoplastic substances" by Spurnik. Strojirenstvi
14 no.8:633 Ag '64.

HILL, M.

"Double Curved Stone and Brick Arches." p. 25, (MAGYAR EPITOIPAR, Vol. 2, no. 1, Jan. 1953, Budapest, Hungary)

SO: Monthly List of East European Accessions, IC, Vol. 3, No. 5, May 1954/Unclassified

Z/032/61/011/001/008/008
E073/E335

AUTHOR: Hilken, I., Engineer

TITLE: Conference on Utilisation of Plastics in Engineering

PERIODICAL: Strojírénství, 1961, Vol. 11, No. 1,
pp 72 - 73

TEXT: Ústav pro výzkum strojů Československé akademie věd (Institute for Machinery Research of the Czechoslovakian Academy of Sciences) arranged an all-state conference on using plastics in engineering, which was held at Liblice from November 1 - 3, 1960. Thirty papers were read and discussed. In his opening address Engineer Květoň, director of the organising institute, emphasised that the present trend is towards increasing the parameters of the equipment and improving the productivity. ✓
Engineer B. Pavlík (SPK) spoke of the economic problems of plastics as compared with traditional engineering materials; in Czechoslovakia, plastics are of extreme importance in view of the fact that Czechoslovakia does not have satisfactory reserves of raw materials for its ferrous and
Card 1/4

Conference on

Z/032/61/011/001/008/008
E073/E335

non-ferrous metallurgy industry and the Czech power resources are relatively expensive. The import of Soviet crude oil opens up wide potentialities for the development of a plastics industry and 1 ton of plastics can replace 3-10 tons of non-ferrous metals.

Engineer Hnídek (MCHP) compared the world production of plastics with the development of the production in Czechoslovakia; the consumption is likely to increase from the present 14 kg per head to an average of 30-35 kg by 1975. Engineer J. Šebenda (UMCHČSAV) spoke of the manufacture of alkali polymerised polyamide, a method which enables manufacture of massive castings from high molecular polyamine (three Czech patents). ✓

Academician Professor O. Wichterle pointed out the possibility of replacing steel and cast iron by plastics.

Engineer V. Zilvar (SVÚMT) spoke of the results achieved at SVÚMT in solving the problems of polyamide fatigue.

Personnel of VÚSPL-Pardubice spoke of epoxyde resins with a higher heat resistance.

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Conference on Utilisation Z/032/61/011/001/008/008
E073/E335

Papers by Engineer M. Kučera (SVÚS-Hradec Kralové) and Dr. Zelinky (Vertex) dealt with the properties of glass and glass-fibre products.

J. Cepěl (VÚGPT-Gottwald) dealt with increasing the resistance to water of polyester laminates.

Engineer O. Slezák (Kovona, n.p. Karviná) spoke of the basic principles to be applied in designs in which polyester glass laminates are used.

Engineer B. Schreiber (SVÚMT) reported on plastics of a high strength and high thermal resistance (phenol, epoxyde, silicon and melamine laminates).

Engineer J. Kabelka and J. Vejchar (Ústav pro výzkum strojů ČSAV - Institute for Machinery Research of the ČSAV) presented two papers on polyester laminates. ✓

A further set of papers was devoted to glues.

A. Chvátal (SVÚOM) reported on corrosion-resistance of plastics and plastic coatings.

Engineer F. Kadlec (Fatra-Napajedla) spoke of lining, coating, varnishing and dipping containers and other articles in PVC.

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Conference on Utilisation

Z/032/61/011/001/008/008
E073/E335

Vl. Hynková (VZLÚ-Letňany) presented a paper "Foam polyurethanes
as a filling material in sandwich structures" ✓

Card 4/4

L 63298-65

CZ/0034/64/000/010/0724/0727

ACCESSION NR: AP5020877

AUTHOR: Hill, Eduard (Engineer)

TITLE: Noise in industrial furnaces and combustion installations

SOURCE: Hutnicke listy, no. 10, 1964, 724-727

TOPIC TAGS: acoustic noise, furnace, industrial plant, combustion, industrial hygiene

ABSTRACT: Discussed are methods of reducing noise in furnaces and other combustion installations. After defining the causes and nature of the noise the author analyzes the following types of combustion low-frequency vibration, combustion, high-frequency vibration, combustion, and the noise caused by the quick flow of gases. In the conclusion he summarizes principles for reducing the noise. Orig. art. has: 2 figures, 5 formulas.

ASSOCIATION: VZKG, Ostrava

SUBMITTED: 00

ENCL: 00

SUB CODE: 60,GP

NR REF SOV: 003

OTHER: 019

JPRS

Card ^{1/1} 1/1

CZECHOSLOVAKIA / Human and Animal Morphology, Normal and Pathologic--Histochemistry S-3

Abs Jour: Ref Zhur-Biol., No 13, 1956, 59615

Author : Hill, Miroslav

Inst : Not given

Title : A Study of Gomori's Alkaline Phosphatase Reaction I. Removal of the Diffusion Artifacts

Orig Pub: Ceskosl. morf., 1956, 4, No 1, 1-9

Abstract: When Gomori's alkaline phosphatase reaction is slowed down, the amount of precipitated calcium phosphate increases, and its diffusion decreases accordingly. The addition of magnesium ions makes the results worse. The speed of calcium phosphate absorption depends on the temperature, a temperature

Card 1/2

CZECHOSLOVAKIA / Human and Animal Morphology, Normal S-3
and Pathologic -- Histochemistry

Abs Jour: Ref Zhur-Biol., No 13, 1958, 59815

of 7 degrees considerably retarding this absorption. Embedding in paraffin helps reduce the artifacts, but does not completely eliminate their formation. The activity of the enzyme gradually decreases with incubation, but no loss of enzymatic activity was observed by the author after 2-day incubation at 7 degrees. A modification of Gomori's method is proposed: sections should be embedded in paraffin and incubated at 7 degrees in an environment without an activator and with a calcium concentration of 0.04 M. In this manner, the localization of the enzyme is preserved, and the specific reaction in the nuclei can be distinguished from the artifacts. -- V. A. Dorfman

Card 2/2

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Country : CZECHOSLOVAKIA
Category: Human and Animal Physiology. Action of Physical
Factors. Ionizing Radiation.

Abs Jour: RZhBiol., No 19, 1958, 89366

Author : Hill, M.; Prasliska, M.

Inst : -

Title : Early Cytological Changes of the Lymphocytic and
Myeloid Tissues of the Spleen of the Mouse Following
Irradiation.

Orig Pub: Ceskosl. biol., 1957, 6, No 1, 6-15.

Abstract: Within 1-30 hours following a single general irra-
diation of mice (104) with 550 r a series of dege-
nerative changes was observed: fragmentation of the
lymphocytes in the follicles and of the erythroblasts
in the red pulp; karyorrhexis of the eosinophiles and

Card : 1/2

T-141

CZECHOSLOVAKIA/Human and Animal Physiology (Normal and
Pathological). Effect of Physical Factors.
Ionizing Emissions.

T

Abs Jour: Ref Zhur-Biol., No 17, 1958, 80130.

Author : Praslicka, Milan; Hill, Miroslav.

Inst :

Title : The Influence of Different Forms of Narcosis on the
Development of Early Histological Changes in the
Spleen of Mice after X-Ray Exposure.

Orig Pub: Ceskosl. biol., 1957, 6, No 1, 16-22.

Abstract: Histological changes were traced in 208 mice in
the spleen during the first 30 hours after x-ray
exposure with a dose of 500 r in combination with
application of ether, ethanol, chloralhydrate and
luminal temporary narcosis, immediately before

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CZECHOSLOVAKIA/Human and Animal Physiology (Normal and Pathological). Effect of Physical Factors. Ionizing Emissions.

T

Abs Jour: Ref Zhur-Biol., No 17, 1958, 80130.

exposure or continuing (to 12 hours) and immediately after exposure. All narcotics applied both before and after exposure inhibited the appearance of the destruction of lymphocytes and phagocytes of the cellular fragments 3-4 hours in comparison to the control. To a lesser degree, the appearance of a regenerative wave was delayed by granulopoiesis and the setting in of karyorrhexia of the eosinophils. The strongest influence was exerted by ethanol narcosis; the least effect was observed with the use of luminal. The significance of these changes for the prognosis of radiation sickness is unclear.

Card : 2/2

EXCERPTA MEDICA Sec 16 Vol 7/6 Cancer June 59

2076. **Quantitative and qualitative changes in splenic mast cells of irradiated mice** Quantitative und qualitative Veränderungen der Milz-Mastzellen röntgenbestrahlter Mäuse. HILL M. and PRASLICKA M. Histol-Embryol. Inst., Med. Fak. der Univ. und Biophys. Inst., Tschechoslowakische Akad. der Wissensch., Brno *Acta haemat. (Basel)* 1953, 19/4-5 (278-288) Graphs 1 Tables 1 Illus. 10

After total irradiation of mice a massive and rapid differentiation of mast cells from the reticulum cells was noted. Discharge or lysis of the granules followed, with an increase in blood heparin.

HILL, M.

Studies on the mechanism of damage of the hemopoietic tissue by radiation. Cesk.fysiol. 9 no.2:177 Mr '60.

1. Biofyzikalni ustav CSAV, Brno.
(RADIATION INJURY exper)
(HEMATOPOIETIC SYSTEM radiation eff)

L 13303-66 EWA(1)/T/EWA(b)-2 JK

ACC NR: AP6006009

SOURCE CODE: CZ/0053/65/014/004/0276/0276

AUTHOR: Hill, M.

ORG: Biophysics Institute CSAV, Brno (Biofyzikalni ustav CSAV)

TITLE: Intercellular transport of DNA^{4,5} [This work was presented during Biophysical Days, Brno, 11 June 1964.]

SOURCE: Ceskoslovenska fysiologie, v. 14, no. 4, 1965, 276

TOPIC TAGS: DNA, mouse, cell physiology, radioisotope, tracer study

ABSTRACT: Study of thymidine-H³ - tagged DNA in lymphocytes of mice C57Bl mixed with various other reticular cells indicates that direct contact between cells is required for transfer of the lymphocyte DNA. Murine thymus lymphocytes tagged with thymidine-H³ contain 90% of the activity in the nucleus. JPRS

SUB CODE: 06 / SUBM DATE: none / OTH REF: 002

Card

1/1

L 40215-65 EEC(k)-2/T LPAC

ACC NR: AP6018287

SOURCE CODE: PO/0053/65/000/011/0521/0524

AUTHOR: Hill, Michal

ORG: None

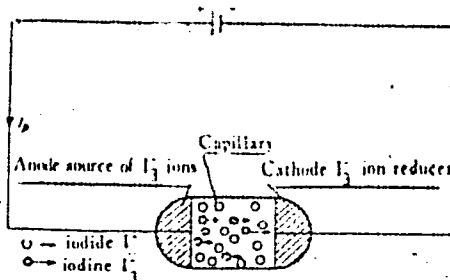
51
B

TITLE: The "Solion" electrochemical diode 15

SOURCE: Przegląd elektroniki, no. 11, 1965, 521-524

TOPIC TAGS: electrochemistry, electrolyte, semiconductor diode, fluid diffusion

ABSTRACT: The author discusses the operating principle and characteristics of a newly developed electronic semiconductor device, the "solion" electrochemical diode. The operating principle of the device is illustrated in figure 1. This principle is used as the basis of two types of integration diodes. The first type is the "concentration" diode consisting of two electrodes separated by a semipermeable diaphragm. The diaphragm is a mechanical insert designed for setting up an artificial diffusion barrier. The second type of integration diode is the



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ACC NR: AP6018287

"gradient" type illustrated in figure 2. The author discusses the design and operation

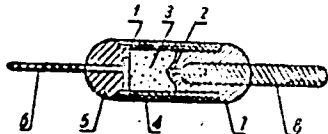


Figure 2. 1--anode (Pt); 2--cathode (Pt); 3--electrolyte; 4--plastic tube; 5--plastic plug for the diode; 6--wire lead (Cu); 7--plastic plug for the cathode; 8--rod lead (Cu)

of this diode in detail. The container is made in the form of a plastic tube sealed with plastic stoppers at each end. The anode is a circular plate of platinum 3 mm in diameter fastened to one plastic stopper. The terminal wire is fastened to the platinum anode and passes through the plastic stopper. The cathode is a platinum pin which makes electrical contact with a screw terminal passing through the plastic stopper at the other end of the casing. The electrolyte consists of a 0.5 n solution of Al and a 0.01 n solution of I_2 . A brief explanation of the electrochemical reaction is given. The internal resistance of the diode is approximately 2 K Ω . Orig. art. has: 5 figures.

SUB CODE: 09/ SUBM DATE: 06Mar65/ ORIG REF: 002/ OTH REF: 002

Card 2/2 *So*

KUBIKOVA-KOURILOVA, A.; HILL, Z.; Technicka spoluprace: PITZALOVA, G.

A simplified compatibility test for extracorporeal circulation and for extensive transfusions. Rozhl. chir. 44 no.12:831-834 D '65.

1. Fakultni transfuzni stanice v Brne (prednosta MUDr. J. Vacl) a Vyzkumny ustav pediatricky v Brne (reditel prof. dr. Z. Bruncky).

711485
~~GILLAR, Ferdinand~~ [Hillar, Ferdinand], inzhener.

Basic trends of scientific research on transportation problems.
Zhel. dor. transp. 39 no.5:45-48 My '57. (MLBA 10:6)

1. Nachal'nik Nauchno-issledovatel'skogo instituta transporta.
(Czechoslovakia--Railroad research)

RZECZYCKI, W.; HILLAR, M.

Respiration of the submandibular salivary gland in a steer and production of mucin in vitro. Acta biochim.polon. 7 no.2/3: 261-268 '60.

1.Zakład Chemii Fizjologicznej AM, Gdansk Kierownik prof. dr Wł. Mosolowski.

(SUBMAXILLARY GLAND metab)

(MUCIN metab)

HILLAR, M.

Uncoupling of oxidative phosphorylations by basic proteins.
Acta biochim. Pol. 12 no.4:379-385 '65.

1. Department of Biochemistry, Medical School, Gdansk, Poland.

RZECZYCKI, W.; GRUDZINSKA, Alicja; HILLAR, M.

The cathodic proteins in hog kidney mitochondria. Acta biochim. polon.
9 no.3:295-299 '62.

1. Department of Biochemistry, Medical School, Gdansk.
(MITOCHONDRIA - chemistry) (KIDNEY - chemistry)
(PROTEINS - chemistry) (ELECTROPHORESIS)

RZECZYCKI, J.; GRUDZINSKA, Alicja; HILLAR, M.; WSZELAKI-LASS, Ewa

Isolation and amino acid composition of the cathodic protein from
hog kidney mitochondria. Acta biochim. pol. 10 no.1:49 '63.

1. Department of Biochemistry, Medical School, Gdansk.
(NO SUBJECT HEADINGS)

RZECZYCKI, W.; BARDON, Alicja; HILLAR, M.; WOJCIECHOWSKI, J.

Sialic acid and other protein-bound carbohydrates in Ehrlich mouse ascites tumour fluid. Acta biochim. polon. 10 no.3: 315-319 '63.

1. Department of Biochemistry, Medical School, Gdansk.
(NEURAMINIC ACIDS) (CARCINOMA, EHRlich TUMOR)
(HEXOSES) (HEXOSAMINES) (PROTEINS)

HILLAR, M.; RZECZYCKI, W.

Interaction of macrocations and macroanions with mitochondria.
Acta biochim. Pol. 12 no.2:133-141 '65

1. Department of Biochemistry, Medical School, Gdansk.

HILLEBRICHT, A.

Pennak's observations concerning factors controlling the number of plankton. p.101.

EKOLOGIA POLSKA. SERIA B. Warszawa, Poland. Vol. 1, no. 3/4, 1955.

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

HILLERICH, A.

New experimental data concerning natural selection and intraspecies competition. p.650.
(KOSMOS. SERIA A: BIOLOGIA. Vol. 5, no. 6, 1956, Warsaw, Poland)

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

HILLERICH, A.

The presence of Rotatoria in the vegetation of the Konfederatka, formerly a part of the Vistula River. p. 61.

EKOLOGIA POLSKA. SERIA B. (Polska Akademia Nauk. Komitet Ekologiczny)
Warszawa, Poland. Vol. 5, no. 1, 1959.

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

Uncl.

HILLBRICHT-ILKOWSKA, A.

Character of the horizontal distribution of plankton rotifers
in ponds with various densities of fish population. Bull. acad.
Pol. sci. (Biol) 13 no.3:151-156 '65.

1. Submitted October 15, 1964.

100-100000

HILFENIC PAWLIKOWSKI, A.; Institute of Zoology (Polish Pro-
fessor) P. L. (Polish Academy of Sciences) - Polish Academy of Sciences
1968

'Euglenozoic Rotifers (Rotatoria) in Ponds - Varying by
Stocked with Carp Fry'

Annales de l'Académie Polonaise des Sciences:
Série des Sciences Biologiques, Vol. 10, No. 10,
1968, pp 537-548.

Abstract: [English article] Report on investigations made
during two consecutive years in the occurrence of rotifer
occurrence in several newly built ponds of the same place
area and depth, of similar construction, situated in close
proximity and all independently fed from a river and so
drained. The ponds were variously stocked with carp fry
and the occurrence of rotifers was found to vary in particu-
lar ponds in clear correlation with stocking. Table,
1 annex: 7 references. (with abstract)

HILLBRIGHT-ILK³WSKA, A.; PIECZYNSKI, E.

Profesor dr. Marian Gieyszter, Feb.22, 1901-June 5,1961.
Kosmos Biologia 11 no.2:141-143 '62

HILLBRICHT-ILKOWSKA, Anna

The 4th Conference on Ecology in Kiev, April 2-7, 1962.
Kosmos biol 11 no.5:575-578 '62.

HILLBRICHT-ILKOWSKA, A.

Effect of carp fry as predators on some rotifer (Rotatoria) species. *Bul Ac Pol biol* 11 no.2:87-89 '63.

1. Institute of Ecology, Polish Academy of Sciences, Warsaw.
Presented by K. Petruszewicz.

HILLE, Alfred

HUNG 3

Hille, Alfred, *Futóáramlások és magassági frontális zónák.* [Jet streams and frontal zones in the upper air.] *Időjárás*, 58(2):90-95, March/April 1954. 3 figs, 6 refs. Hungarian and English summaries p. 90. MH-BH—Jet streams and frontal zones of the upper air may be considered as outstanding problems of meteorological research today. The author presents the present state of knowledge on the subject, emphasizing the connection between the two phenomena. *Subject Headings:* 1. Jet stream 2. Frontal zones.—Author's abstract.

HILLE, ALFRED

Repulesi meteorologia. Budapest, Akademiai Kiado, 1955. 297 p.
(Aeronautic meteorology. 16 plates, maps, bibl., index, tables)

HILLE, ALFRED

7.7-66 551.509.58:656.7
Hille, Alfred, A forgalmi repülés időjárás- és szolgálat. [Weather service for commercial airlines.] *Időjárás*, Budapest, 59(1):46-50, Jan./Feb. 1955. DLG.—The work performed by the aviation department of the Hungarian Meteorological Institute is described. The Department consists of two sections, namely the Budapest center (located at Ferihegy airport) and the provincial network (with stations at commercial airports). The Budapest center has a staff of synopticians, observers, radio operators and draftsmen. Observation, data collection, analysis and briefing (monitoring) are the principal duties of the center. Each of the eleven provincial airport stations is manned by three trained meteorologists who alternate on observation and flight-briefing duty in 24-hr shifts. The operations of these observers and of the Budapest center are described in detail. *Subject Headings:* 1. Aero-nautical meteorological services 2. Hungary.—G.T.

HILLE, A.

Funnel-shaped cloud over Ferihegy Airfield, July 14, 1955. p. 306

Vol. 59, no. 5, Sept./Oct. 1955

IDOJARAS

Budapest

Source: Monthly list of East European Accessions, (EEAL), LC,
Vol 5, no. 3, March 1956

KASHECI, P. (Tirana); JAHO, S. (Tirana); HILLE, A., dr. [translator]

Some characteristics of temperature and precipitation in Albania.
Idojaras 65 no.2:86-92 Mr-Apr '61.

1. "Idojaras" szerkeszto bizottsagi tagjai.

HILLE, Alfred, dr.

Oasis in the ice desert. Elet tud 17 no.36:1143-1146 9 S '62.

HILLE, Alfred, dr.

"Snow cover of the Antarctica" by I.D. Kopanov. Reviewed by Alfred Hille. Idojaras 66 no.2:118 Mr-Ap '62.

1. "Idojaras" szerkeszto bizottsagi tagja.

HILLE, A., dr.

Division of Medical Meteorology of the Hungarian Meteorological Society. Idojaras 66 no.3:190 My-Je '62.

1. "Idojaras" szerkeszto bizottsagi tagja.

HILLE, A., dr.

Agrometeorological Section of the Hungarian Meteorological Society.
Idojaras 66 no.5:320 3-0 '62.

1. "Idojaras" szerkeszto bizottsagi tagja.

ORMENYI, Imre; HILLE, Alfred, dr.

Division of Medical Meteorology of the Hungarian Meteorological Society. Idojaras 66 no.6:383-384 E-D '62.

1. Magyar Meteorologiai Tarsasag elnoke; "Idojaras" szerkeszto bizottsagi tagja (for Hille).

HILLE, A., dr.

Medical Meteorological Division of the Hungarian Meteorological
Society. Idojaras 67 no.1:64 Ja-F '63.

1. "Idojaras" szerkeszto bizottsagi tagja.

HILLE, Alfred, dr.

Experiments for preventing hailstorms. Musz elat 20 no.5:10
11 Mr '65.

KOPPANY, Gy.; HILLE, Alfred; KAKAS, Jozsef; FUTO, Jozsef; KERI, Menyhert; PECZELY, Gyorgy; KOZMA, Bela; SZAPPANOS, Andras; AMBROZY, Pal; GOTZ, Gusztav; PAPP, Laszlo; BELL, Bela; MARTOS, Andras; BACSO, Nandor; HAJOSY, Ferenc; CSAPODY, Istvan; NAGY, Laszlo, igazgato foorvos; DONASZY, Erno; BORONKAI, Pal; ANTAL, Emanuel; TANCZER, Tibor; OZORAI, Zoltan

The 10th itinerant meeting of the Hungarian Meteorological Society in Sopron. Idojaras 68 no.4:249-250 J1-Ag '64.

1. President, Hungarian Meteorological Society (for Hille).
2. Editor, "Idojaras" (for Kakas).
3. Editorial Board Member, "Idojaras", Budapest (for Ambrozy, Bell, Keri, Ozorai).

HILLE, EINAR

2

Hille, Einar. On the differentiability of semi-group operators. *Acta Sci. Math. Sargent* 12 Leopoldo Fejér et Frederic o Riesz LXX annos nato. Section Paris II 19-24 (1950).

Suppose A is a closed distributive operator on the Banach space B to B with domain dense in B , whose resolvent $R(\lambda, A)$ satisfies $\|R(\lambda, A)\| \leq 1/|\lambda|$ for positive λ . Then it is known that A is the infinitesimal generator of a semigroup $T(\xi)$ ($\xi > 0$) of linear operators on B to B . If T has a derivative $T'(\xi)$ then $(T'(\xi))' = -AT(\xi)$. The paper considers some order of growth results on $T(\xi)$ which are interrelated with hypotheses on A or its range $R(\lambda, A)$. These lead to conditions under which $T(\xi)$ or $T'(\xi)$ has a derivative as it $D(T)$ emerges. Lemma III.

*Still
Hand*

Source: Mathematical Reviews,

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(MOUTH, anatomy and histology,
changes of size of cells of superficial layer of epithelium
in males)

(EPITHELIUM, anatomy and histology,
changes of size of cells of superficial layer in mouth
in males)

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wicach (ordynator: dr. med. Z. Franz).

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p. 513 (Vestnik) Vol 4, no 10 1957. Praha, Czechoslovakia.

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/ Action of narcotic on amoeba by means of microinjection and immersion. II. Influence of alcohols. S. Hill; Akad. Lekarska, (Gdansk, Poland). *Proc. Intern. Congr. Exptl. Cytol., Stockholm, 1947, Exptl. Cell Research Suppl. 1*, 374-7(1949); cf. *C.A.* 22, 3222.—The effect of narcotics on amoebae depends on changes in protoplasmic viscosity and surface tension. The decrease in surface tension can be induced both by injection and immersion. Felix Saunders.

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H. explains the source and prevention. A D 1

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GENERAL

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HILLERS, S. Structure and properties of some 3,6-disubstituted pyridines. In Russian. p. 87.

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HILLERS, S.

Catalytic vapor-phase oxidation of furan with air oxygen.
S. Hillers and M. Turykha, *Laborat. PSK Zinatny Akad. Nauk SSSR* (No. 11 (Whole No. 64): 89-92 (in Russian)).—A mixt. of air-furan vapor in molar ratios 1400:1 to 3000:1 was passed through a catalyst bed at 220-270°, with a contact time of 0.9-1.4 sec. Two catalysts were used: $V_2O_5 + MoO_3 + TiO_2 + B_2O_3$ on pumice, and $V_2O_5 + MoO_3 + Fe_2O_3 + FeO_3$ on pumice. Furan was oxidized completely to 75% maleic acid. A. D.

HILLEN, S.

Catalytic oxidation of furfural in vapor-gas phase with air oxygen. M. Lavuda, S. Hillen, and P. Kalant. *Lit-tijis PSK Zimlja*, No. 11, 1952, No. 11 (Whole No. 64), 57 (Sov. Russian). Numerous types of V-bearing catalysts, with and without support, were investigated for their activity in catalyzing the oxidation of furfural vapor to maleic acid with air at atm. pressures and 200-375°. Typical catalysts were: V₂O₅ (I) on pumice; V₂O₅ on Al; in g. per 100 ml. of the carrier, 5.5 I and 10.3 TiO₂ on pumice; 11.8 I, 5.0 MoO₃, 0.85 Co₂O₃ on pumice; 21 AgVO₂ on pumice; 6.7 I, 1.0 MoO₃, 1.1 P₂O₅, 0.3 Fe₂O₃ on pumice; 15.2 I, 3.6 MoO₃, 1.6 B₂O₃, 0.5 TiO₂ on Al (II) or pumice. The salts and the oxides were placed on the carriers from a thin suspension by a slow evapn. of the corresponding salt, oxide, and carrier mixt., with or without help of sacrificial organic binders. The catalysts were slowly dried at 100° in air stream, followed by a gradual increase to 300° within 12 hrs., and holding at 320° for addnl. 12 hrs. The final activation was achieved by heating for 40 hrs. at 370° in a rapid air stream. One-pass conversions of 75-80% were obtained with the best mixed oxide catalyst, with no decrease in activity for 600 hrs. The air-furfural molar ratios were 100:1 to 400:1, and the contact times 0.75-2 sec. The best catalyst was II, and the optimal conditions: air-furfural molar ratio 180:1 to 240:1, temp. 270°, contact time 1.5 sec.; 97% of furfural was oxidized, yielding 80% maleic acid. Andrew Dravnieks

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Open

Hillers, S.

Anti-tuberculosis activity of a preparation with isonicotinoil hydrazide. S. Hillers, M. Lidaks, M. Beriklava, and M. Tarvida. *Latvijas PSR Zinatnu Akad. Vests* 1952, No. 10(Whole No. 63), 157-60(in Russian).--Prepn. IN-73, m. 160-2^o, was obtained from the so-called β -picolinic fraction of the pyridine bases from a phenol plant by oxidation with $KMnO_4$ or H_2SO_4 with SeO_2 , or in vapor phase with air over V catalysts, with subsequent esterification with EtOH, and reaction with $NH_2NH_2 \cdot H_2O$ to form a mixt. of hydrazides. The prepn. had bacteriostatic activity in 3% glycerin bouillon cultures of several Mycobacteria in diln. of $1:6 \times 10^7$ as compared to $1:8 \times 10^8$ for the pure isonicotinic acid hydrazide. Andrew Dravnieks

HILLERS, S.

USSR .

Preparation of isonicotinic acid from the light ("β-picnic") fraction of the pyridine bases. M. Lidaka, S. Hillers, and N. Naumenko. *Lavijus PSR Zinčina Akad. Vostok* 1953, No. 12 (Whole No. 77), 81-8 (in Russian). — The "β-picnic" fraction (b. 142-4°) (I) from phenol production contained 15-20% γ-picoline. I (1.5 kg.) was condensed with formaldehyde (3 kg. of 40% soln.) on water bath for 50 hrs. The residue from steam distn. contained trimethyl-γ-picoline (II) in 90% yield. II was oxidized to isonicotinic acid nitrate (III) by warm 10% nitric acid; the isonicotinic acid was prepd. from III by boiling with 10% Na carbonate soln. In a variation, the oxidation of II was conducted at 90-5° with solid KMnO₄. The overall yield was 70-80%.
Andrew Cravnick

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CZECHOSLOVAKIA / UNITED STATES

MRAZ, M.; HILLMAN, Z.C.; ASHMORE, J.; Pharmacological Institute, Faculty of General Medicine (Farmakologicky Ustav Fak. Vseob. Lek.), Prague; Dept. of Pharmacology, Indiana University, School of Med., Indianapolis,

"The Influence of Drugs on Krebs' Tricarboxylic Cycle."

Prague, Ceskoslovenska Fysiologie, Vol 15, No 5, Sep 66, p 419

Abstract: Glutamate -2-C¹⁴ metabolized in Krebs' cycle can yield lactate tagged in two ways. Lactate containing C¹⁴ in the carboxylic group can be formed only via succinate, oxalacetate, and pyruvate, that is by the normal Krebs' cycle; glutamate metabolized via citrate, oxalacetate, and pyruvate produces a lactate tagged on C 2 and 3. Experiments with rats to which catecholamines were administered showed that only 1/3 of the lactate was produced through the Krebs' cycle, while 2/3 were produced via the other path. The influence of various doses of catecholamines on the proportions of glutamate metabolized through the two different paths is discussed. The influence of insulin is described. No references. Submitted at 14 Days of Pharmacology at Smolenice, 17 Feb 66.

1/1

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SE ~~APPROVED FOR RELEASE~~: 08/10/2001 ~~CIA-RDP86-00513R000618020015-~~
 HILLOVA, L., MUDr.

Role of Escherichia coli B 5 0 55 in the etiology of infantile and neonatal diarrhea. Cesk. pediat. 10 no.9:694-697 Nov 55.

1. Z detskeho oddeleni KUNZ Jihlava (pred. prim. Dr. Pavel Sevcick), ze Statniho kojeneckeho ustavu v Jihlave (pred. prim. MUDr. J. Borsky), z Krajske hygienicko-epidemiologicke stanice (pred. prim. MUDr. H. Vojtova).

(ESCHERICHIA COLI, infections,
 diarrhea in newborn)
 (DIARRHEA, in infant and child,
 newborn, caused by E. coli)
 (INFANT, NEWBORN, diseases,
 E. coli diarrhea)

HILMERA, JIRI

Domazlice; mestska rezervace Statni pamatkove spravy

Statni telovychovne nakl, 1955; 47 pages

Praha, Czechoslovakia

Monthly List of East European Accession EEAI LC, Vol. 8, no. 6, June 1959

Uncla.

HILNERA, Jiri

Jindrichuv Hradec, Mestska pamatkova rezervace a statni zamek. (Jindrichuv Hradec; Historical Town Monuments and the State Castle; a tourist guide. 1st ed. illus., map) Authors: Jiri Hilnera, in cooperation with M. Blazicek, Jaroslav Chudoba, Frantisek Pala. Prague, Sportovine a turisticke nakl., 1957. 47 p.

Bibliograficky katalog, CSR, Ceske knihy, No. 30. 3 Sept 57. p. 648-49.

L 42977-66 EWP(v)/T/EWP(k)/EWP(b)/EWP(s) JPC HM/JD

ACC NR: AP6008358

SOURCE CODE: RU/0017/65/000/001/0001/0001

AUTHOR: Hilma, L. (Engineer); Maniu, Al. (Engineer)

16 B

ORG: Hilma Metrom Works, Brasov (Uzinele Metrom); Maniu Polytechnical Institute, Brasov (Institutul politehnic)

TITLE: Cu-Cr alloys for electric resistance welding electrodes

SOURCE: Metalurgia, no. 1, 1965, 1

44, 58, 16

TOPIC TAGS: chromium containing alloy, copper alloy, welding electrode, resistance welding, tensile strength, electric conductivity, cold working

ABSTRACT: The authors discuss the advantages and proper treatment of Cu-Cr alloys for resistance welding electrodes. Thermically treated and cold-hammered Cu-Cr alloys containing 0.5 to 1 percent Cr have a tensile strength of 58 kilograms per millimeter and electrical conductivity of nearly 80 percent that of pure copper, even after heating to 400 degrees centigrade. The necessary hardness (at least 130 kilograms per millimeter) can be supplied by proper hardening-tempering followed by 50 percent cold hammering. Orig. art. has: 5 figures and 4 tables.

JPRS

SUB CODE: 11, 13 / SUHM DATE: none / OTH REF: 002

Card 1/1 hs

UDC: 669.35.26:621.791.042

HILOHI, Calin, ing.

The "fifth wheel" device for dynamic tests of motorcars.
Rev transport 10 no.2:75-82 F '63.

HILCH, Calvin, ing.

A grapho-analytic method for determining the coefficient of automobile aerodynamic resistance. Constr mas 16 no. 3: 153-155 Mr '64.

I 30720-66

ACC NR: AP6022117

SOURCE CODE: RU/0018/65/000/009/0499/0505

AUTHOR: Hilohi, Calin

//
B

ORG: none

TITLE: Calculation of car ¹brakes with internal floating shoes

SOURCE: Constructia de masini, no. 9, 1965, 499-505

TOPIC TAGS: vehicle component, unarmored vehicle

ABSTRACT: In this note, the second of a series, the author calculates various functions and parameters for the more common types of car brakes with internal floating shoes. Orig. art. has: 15 figures and 77 formulas. [Based on author's Eng. abst.] [JPRS]

SUB CODE: 13 / SUBM DATE: none / OTH REF: 006

Card 1/1 IV

UDC: 629.117-592.112.001.24

0915 0030

HILSCH, R.

HUNGARY/Atomic and Molecular Physics - Low Temperature Physics D-5

Abs Jour : Ref Zhur - Fizika, No 10, 1958, No 22641

Author : Buckel W., Hilsch R., Minnigerode G.V.
Inst : Institute of Physics, University of Gottingen, Germany
Title : Effect of Elastic Deformation at Low Temperatures on the Superconductivity of Gallium.

Orig Pub : Acta phys. Acad. sci. hung., 1957, 8, No 1-2, 5-18

Abstract : An investigation was made of the influence of plastic deformation on the superconductivity of gallium. An increase in the transition temperature T_c was observed after cold working for both modifications of gallium. It is possible to raise the value of T_c for ordinary gallium from 1.07° to 2.5° K and more by means of plastic deformation at helium temperature. For the other modification of gallium, which occurs in the case of condensation at rapid cooling below 60° K, the value of T_c rises from 6.5 to 7° K and above. Certain factors, which influence this change in the properties of gallium as the result of plastic deformation at low temperature, are examined.

Card : 1/1

HILSE, A.

Mechanization problems in connection with the introduction of new exploitation methods in the northern Bohemian brown coal mines.

p. 281.

UHLI, Prague, Vol. 4, no. 9, Sept. 1954.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 6, June 1956, Uncl.

HINSENKAMP, Alfred, foeloado

Achievements in the technical development of the silicate industry in 1962. Epites szemle 7 no.11/12:331-338 '63.

1. Epitesugyi Miniszterium Muszaki Fejlesztési Főosztálya.

MIHAI, A.; GEM, I.

"Our Experiences in Discovering and Utilizing Internal Reserves", p. 258,
(INDUSTRIA TEXTILA, Vol. 5, No. 10, October 1954, Bucharest, Rumania)

SO: Monthly List of East European Accessions (ISMA), IS, Vol. 7, No. 3,
March 1955, Uncl.

HILSENRAD, A.; BAI, E.

Let us extend the use of traverse winding frames in the knitting industry. p. 228

Vol. 6, no. 7, July 1955
INDUSTRIA TEXTILA
Bucuresti, Rumania

Source: East European Accession List. Library of Congress
Vol. 5, No. 8, August 1956

H. ISENEAD, A.

ISENEAD, A.

ISENEAD, A. Let us rationalize the system of determination and control of labor quality in knitting (motorage) and preparing sections. p. 93.

Vol. 7, no. 12, Dec. 1956.

INDUSTRIA TEXTILA.

TECHNOLOGY

ROMANIA

So: East European Accession, Vol. 6, No. 4, May 1957

HILSENRAD, A.

Planning of consumption standards for articles made of continuous length knitted fabrics.
p. 152

INDUSTRIA TEXTILA. (Asociatia Stiintifica a Inginerilor si Tehnicienilor din
România si Ministerul Industriei Usoare) Bucuresti, Rumania. Vol 10, no.4, 1959

Monthly List of East European Accessions (EEAI) ^{Vol. 8} LC, /no.8, Aug. 1959

Uncl.