

HOLECKOVA, E.

Cytologic analysis of the effect of a colchicine derivative in  
tissue cultures. Biol.listy 31 Suppl:96-99 2 Jan 1951.  
(CJML 20:9)

1. Work group of Prof. B. Sekla, M.D. of the Institute of Biology  
of the Medical Faculty of Charles University, Prague.

HOLECKOVA, E.;HRUZA, Z.;POUPA, O.

"Factors Affecting the Resistance of the Gastric Mucosae to Hunger  
Erosions." p. 147,  
(CESKOSLOVENSKA FYSIOLOGIE, Vol. 3, No. 2, May 1954, Praha, Czechoslovakia)

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

**HOLECKOVA, E.; HRUZA, Z.; POUPA, O.**

Effect of certain factors on resistance of the gastric mucosa and its relation to erosions consecutive to hunger. Chekh. fiziol. 3 no.2:153-160 1954.

1. Institut issledovaniya narodnogo pitaniya, fiziologicheskoye otdeleniye, Praha.

(STOMACH, physiology,

eff. of hunger on gastric mucosa in animals, variations in resist. to hunger-induced erosions)

(MUCOUS MEMBRANES,

stomach, eff. of hunger in animals, variations in resist. to hunger-induced erosions)

(HUNGER, effects,

on stomach mucosa in animals, resist. to hunger-induced erosions)

CZECHOSLOVAKIA/General Problems of Pathology - Tumors. Immunity. U-3

Abs Jour : Ref Zhur - Biol., No 16, 1958, 75449

Author : Sekla, Bohumil; Bednar, Blahoslav; Holeckova, Ema

Inst : -

Title : Resistance of Rats to Tumor Implantation and to Development of a Neoplasm Produced by a Chemical Carcinogen.

Orig Pub : Univ. carolina. Med., 1955, Suppl. No 1, 194-202

Abstract : Hybrid rats in which Walker tumor 256 does not take are relatively resistant also to the carcinogenic action of 3.4 -benzpyrene: subcutaneous tumors were developed by them more slowly than by a line susceptible to Whister.  
-- K.P. Markuze.

Card 1/1

HOLECKOVA, E.; POUPA, O.

Growth of explanted rat kidney undergoing hyperplasia in vivo.  
Physiol. bohém. 5:17-21 Suppl. 1956.

1. Czechoslovak Academy of Sciences, Laboratory of the Physiology  
and Pathophysiology of Metabolism, Prague.

(KIDNEYS, physiol.)

growth of explanted rat kidney undergoing hyperplasia in  
vivo)

(GROWTH

of explanted rat kidney undergoing hyperplasia in vivo)

(HYPERTROPHY AND HYPERPLASIA

kidneys, in vivo, explanted from rats)

HOLECKOVA, E.

FALTOVA, E.; HOLECKOVA, E.; HRUZA, Z.

Relation of lesions of the stomach in rats on loss of body substance in hunger. Cesk. fysiол. 5 no.4:449-455 1956.

1. Laborator pro Fysiologii a Pathofysiologii premeny letak CSAV, Praha.

(STOMACH, physiology,

eff. of exper. lesions on body weight in fasting rats (Cz))

(FASTING, effects,

on body weight in rats with gastric lesions (Cz))

(BODY WEIGHT,

eff. of gastric lesions on weight loss in fasting rats (Cz))

HOLEČKOVÁ E.

CZECHOSLOVAKIA/Human and Animal Physiology. Digestion. V

Abs Jour: Ref. Zhur-Biol., No 6, 1958, 26983.

Author : E. Faltová, E. Holečková and Z. Placer.

Inst :

Title : The Effect of Hunger on the Secretion of Hydrochloric Acid and the Proteolytic Activity of the Glandular Portion of the Rat's Stomach.

Orig Pub: Českosl. gastroenterol. a výživa, 1957, 11, No 2, 142-147.

Abstract: Prolonged hunger (loss of 25 to 30% of body weight) practically did not lower the pH of the gastric juice in rats, but the proteolytic activity of stomach homogenates was considerably reduced, the more so the greater was the damage to the gastric mucosa resulting from hunger. The secretory factors pro-

Card : 1/2

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CZECHOSLOVAKIA/Human and Animal Physiology. Digestion.

v

Abs Jour: Ref. Zhur-Biol., No 6, 1958, 26983.

duced erosion of the gastric mucosa only when the  
resistance of the mucosa was lowered.

Card : 2/2



EXCERPTA MEDICA Sec 5 Vol 12/8 General Path. Aug 59

2155. GROWTH INHIBITION OF WALKER 256 CARCINOMA IN RATS BY INJECTIONS OF CULTURE MEDIUM FROM EXPLANTED TUMOUR-IMMUNE RAT SPLEENS - Holečková E. and Sekla B. Lab. of Physiol. and Pathopathol. of Metab., Czechoslovak Acad. of Scis, Prague - NEOPLASMA 1958, 5/1 (20-25) Graphs 3 Tables 1 Illus. 1

In 3 independent experiments spleens of black Walker-resistant rats, immunized in vivo with Walker 256 carcinoma, were cultivated as fragments in roller tubes. The culture medium, collected and injected to susceptible tumour-bearing Wistar rats, caused prolonged survival of hosts, and in some cases complete regression of the tumour, in comparison with injections of culture medium from normal (not immune) spleens from the same resistant strain. Stasney - Philadelphia, Pa. (V, 16)

HOLECKOVA, E.; POUPA, O.; FABRY, P.

Preservation of liver and muscle tissues explanted from rats adapted to intermittent cold. Cesk. fysiол. 7 no.3:217-218 May 58.

1. Laborator pro fysiologii a patofysiologii premeny latek CSAV, Ustav pro vyzkum vyzivy lidu, Praha.

(TRANSPLANTATION,

liver & musc. tissue preserv. from rats adapted to intermittent cold (Cz))

(LIVER, transpl.

tissue preserv. from rats adapted to intermittent cold (Cz))

(MUSCLES, transpl.

same)

(ADAPTATION,

liver & musc. tissue preserv. from rats adapted to cold(Cz))

HOLECKOVA, M.: SERVIT, Z.

Experience with the adaptation of explanted tissues to an anticonvulsant (3,5,5-trimethyl-oxazolidine-2, 4-dione, trimedal) and to phenobarbital. *Cesk. fysiол.* 7 no.3:262-263 May 58.

1. Laborator pro fysiologii a patofysiologii premeny letek CSAV, Praha, Fysiologicky ustav CSAV, Praha.

(TISSUE CULTURE,

adaptation of explanted heart embryonic tissues to phenobarbital & anticonvulsant trimedal (Cz))

(PHENOBARBITAL, eff.

on embryonic heart tissue culture, adaptation (Cz))

(MUSCLE RELAXANTS, eff.

trimedal, on embryonic heart tissue culture, adaptation (Cz))

(HEART, embryology,

tissue culture, adaptation to musc. relaxant trimedal & phenobarbital (Cz))

EXCERPTA MEDICA Sec 4 Vol 12/6 Med. Micro. June 59

1985. INHIBITION OF GROWTH OF A TUMOUR BY THE CULTURE MEDIUM OF SPLEENS IMMUNIZED AGAINST THE TUMOUR - Inhibice rsta ndoru kultivanm prostedm slezin imunisovnch proti ndoru - Holekov E. and Sekla B. Biol. st. Lk. Fak., Karlovy Univ., Praha = CSL BIOL. 1958, 7/4 (306-307) Tables 1

In 3 separate experiments the spleens of tumour-immune rats of an inbred black strain resistant to Walker 256 tumour were cut into pieces and cultured in roller tubes. The culture medium was collected, centrifuged and injected into susceptible tumour-bearing rats. As compared with the controls, which were injected with culture medium from normal (non-immune spleens), the treatment resulted in prolonged survival of the animals, and in a few cases a complete regression of the tumour. (V, 4, 16)

HOLECKOVA, E.; FABRY, P.

Food-intake adaptation and gastric changes following interrupted starvation in rats. *Cesk. fysiол.* 7 no.4:358-360 July 58.

1. Laborator pro fysiologii a patofysiologii premeny latek CSAV,  
Ustav pro vyzkum vyziivy lidu, Fysiologicke oddeleni, Praha.  
(STARVATION, exper.  
adaptation & gastric changes in rats (Cs))

HOLECKOVA, E.; CHYTIK, F.

Adaptation of liver tissue to intermittent cooling in rats. Cesk. fysiол.  
7 no.5:469 Sept 58.

1. Laborator pro fysiologii a patofysiologii premeny latek, Praha.  
(LIVER, physiол.  
adaptation to intermittent cooling in rats (Cz))  
(COLD, effects,  
liver adaptation to intermittent cooling in rats (Cz))  
(ADAPTATION  
same)

CHVAPIL, M.; HOLECKOVA, E.

Collagen synthesis in tissue cultures. Cesk. fysiolo. 7 no.5:480-481  
Sept 58.

1. Ustav hygieny a chorob z povolani, Laborator pro fysiologii a pato-  
fysiologii premeny latek CSAV, Praha.

(COLLAGEN, metabolism,

biosynthesis in tissue cultures (Cz))

(TISSUE CULTURE,

collagen synthesis in tissue cultures (Cz))

EXCERPTA MEDICA Sec 2 Vol 13/5 Physiology May 60

2505. STUDIES ON THE ADAPTATION OF METABOLISM. VIII. THE LATENT PERIOD OF EXPLANTED TISSUES OF RATS ADAPTED TO INTERMITTENT STARVATION - Hájeková E., Poupá O. and Fábry P. Lab. of Physiol. and Pathophysiol. of Metab., Inst. of Human Nutr., Prague - PHYSIOL. BOHEM. 1959, 8/1 (15-21) Graphs 2 Tables 3

The latent period of explanted striated muscle and liver tissues of rats adapted to intermittent starvation is significantly reduced in comparison with the latent period of the same tissue of control animals. An increase of substances important for active growth of explanted tissues (glycogen and proteins) in the livers and muscles of adapted animals may be responsible for this effect. Changes in the metabolism of the whole animal as well as direct cellular changes may be present, but only the former have hitherto been proved. Whatever the mechanism of this phenomenon may be, it is noteworthy that changes established during the adaptation of the whole organism appear in primary explants of its tissues. Hahn - Prague



HOLECKOVA, E.; FALTOVA, HRUZA, Z.; CHYTI, F.; KOPECKY, M.; IAT, J.; PARIZEK, J. . .

Studies on the mechanism of adaptation to distatic changes and to other stimuli in rats. Cesk. fysiolog. 8 no.3:195-196 Apr 59.

1. Laborator pro fysiologii a patofysiologii premeny letok, CSAV, Praha, Predneseno na III. fysiologickych dnech v Brne 14. 1. 1959.

(ADAPTATION,

to food composition & feeding rhythm in rats (Cz))

(FOOD,

adaptation of rats to food composition & feeding rhythm (Cz))

HOLEKHOVA, E.; WONDRAK, E.

Problem of using acrylates in bone surgery. Cas. lek. cesk. 98 no.14:  
430-433 3 Apr 59.

1. Laborator pro fyziologii a patofyziologii premeny CSAV, Praha, pred-  
nosta doc. dr. O. Poupal. Chirurgicka klinika PU v Olomouci, prednosta  
prof. dr. VL. Rapant. E. H. Praha 2, Albertov 4.

(BONE AND BONES, surg.

with acrylates, tox. reactions in rats (Cs))

(ACRYLATES, tox.

tox. reactions in bone surg. in rats (Cs))

CHVAPIL, M.; HOLECKOVA, E.

Effect of various concentrations of silicon dioxide, colliodal silicic acid and titanium dioxide on the synthesis of collagen proteins in tissue cultures of fibroblast. Pracovni. lek. 11 no.7: 341-344 S '59.

1. Ustav hygieny prace a chorob z povolani, Praha, reditel prof. dr. Teisinger - laborator pro fyziologii a patofyziologii metabolismu latek, CSAV, Praha.

(COLLAGEN)

(SILICA pharmacol.)

(TITANIUM)

SULCOVA, L.; HOLESKOVA, E.

Strains of laboratory rats and mice for oncological investigations  
in our laboratories. Neoplasma, Bratisl. 7 no.1 suppl:32-35 '60.

1. Biologicky ustav Karlovy university, Praha. Laborator pro  
fysiologii a patofysiologii premeny latek CSAV, Praha.  
(NEOPLASMS exper)  
(ANIMALS LABORATORY)

HOLESKOVA, E.; MOTLIKOVA, M.; SELLA, B.; WAGNER, V.

The resistance of various strains of rats to Walker 256 tumor  
and serological responses to a single antigenic impulse.  
Neoplasma, Bratisl. 7 no.1 suppl:42-43 '60.

(NEOPLASMS immunol)

PLACER, Z.; SLABOCHOVA, Z.; ROUBAL, Z.; NOVAK, M.; HOLEKHOVA, H.; SEKLA, B.

Serum esterase activity and mucoproteinemia in rats after the  
implantation of Walker 256 tumor. Neoplasma, Bratisl. 7 no.1  
suppl:44-46 '60.

(NEOPLASMS blood)  
(ESTERASES blood)  
(MUCOPROTEINS blood)

HOLECKOVA, E.; CHYTIL, F.; HRUZA, Z.; CHVAPIL, M.

Hyperphagia following hunger and metabolic characteristics in laboratory rats and in wild mice. Cesk. fysiол. 9 no.1:16-17 Ja 60.

1. Laborator pro fysiologii a patofysiologii premezy latek CSAV a Ustav hygieny prace a chorob z povolani, Praha.  
(HUNGER)

SEKLA, B.; HOLECKOVA, E.; CHYTL, F.

Heterologous lactoproteins and their effect on the growth of transplanted rat tumors. Acta univ. carol. [med.] Suppl. 14: 117-123 '61.

1. Biologicky ustav fakulty vseobecneho lekarstvi University Karlovy v Praze, prednosta prof. dr. B. Sekla Fysiologicky ustav CSAV.  
(PROTEINS pharmacol) (NEOPLASMS exper)  
(MILK chem)



ROLECKOVA, E.; RYCHLIKOVA, M.; MOLOMUT, N.

Toxicity of normal and immune rabbit sera to different mouse cells.  
Neoplasma 8 no.3:269-274 '61.

1. Waldemar Medical Research Foundation, Port Washington, L.I., N.Y.,  
U.S.A.

(IMMUNE SERUMS toxicol) (NEOPLASMS immunol)

CHVAPIL, M.; HOLECKOVA, E.; CMUCHALOVA, B.

Biosynthesis of collagen in tissue cultures of pulmonary fibroblasts. Changes in the concentration of free hydroxyproline, peptide-bound and collagen proteins and hexosamine in control cultures and in cultures growing in colloidal silicic acid medium. Pracovní lek. 13 no.3: 121-125 Ap '61.

1. Ústav hygieny práce a chorob z povolání, Praha. Laborator pro fyziologii a patologii premeny latek CSAV, Praha.

(LUNGS) (COLLAGEN chem) (PROLINE chem)

HOLECKOVA, E.; CHYTIL, Fr.; CHVAPIL, M.; Statisticke zpravovani Z. Roth

Effect of domestication on the biological age of rats. Cas.lek.cesk  
100 no.20:612-616 19 My '61.

1. Laborator pro fyziologii a patologii premeny latek CSAV a Ustav  
hygieny prace a chorob z povolani, Praha.

(AGING) (RATS)

SMETANKOVA, M.; CERNY, M.; HOLECKOVA, E.

Morphology of our line of the Walker tumor 256. Cas.lek.cesk 100  
no.23:714-716 9 Je '61.

1. Biologicky ustav lekarske fakulty KU v Praze, prednosta prof. dr.  
B. Sekla a Laborator pro fyziologii a patofyziologii premeny latek  
CSAV v Praze, prednosta doc. dr. O. Poupa.

(NEOPLASMS exper)

HOLECKOVA, E.; JOHN, C.; CUMLIVSKI, B.; SEKLA, B.

Diathetic immunization of sheep against *Brucella abortus*. J. hyg. epidem. 6 no.2:206-211 '62.

1. Institute of Physiology, Czechoslovak Academy of Sciences; Institute of Microbiology, Medical Faculty, Charles University; Institute of Animal Husbandry, Czechoslovak Academy of Agriculture Sciences; Institute of Biology, Medical Faculty, Charles University, Prague.

(BRUCELLA ABORTUS immunol)

HOLECKOVA, E.

Hyperphagia and gastric hypertrophy in wild Norway rats. *Physiol. Bohemoslov.* 11 no.5:465-469 '62.

1. Institute of Physiology, Czechoslovak Academy of Sciences, Prague.  
(FASTING) (STOMACH) (APPETITE)

CHVAPIL, M.; HOLECKOVA, E.

Lowered structural stability of collagenous fibres induced by intermittent feeding and fasting in the rat. *Physiol. Bohemoslov.* 11 no.6:505-509 '62.

1. Institute of Industrial Hygiene and Occupational Diseases; Institute of Physiology, Czechoslovak Academy of Sciences, Department for the Physiology and Pathophysiology of Metabolism, Prague.  
(COLLAGEN) (FASTING)

FABRY, P.; PETRASEK, R.; KUJALOVA, V.; HOLECKOVA, E.

Adaptation to nutritional changes. Cesk. gastroent. vyz. 16 no.3/4:  
246-251 Ap '62.

1. Ustav pro vyzkum vyzivy lidu v Praze, reditel doc. MUDr. J. Masek,  
DrSc.

(NUTRITION) (ADAPTATION PHYSIOLOGICAL) (FASTING)



DREIFUS, M.; HOLECKOVA, E.; WICHTERLE, O.

Evaluation of hydrocolloid plastic substances in tissue cultures. *Cesk. oftal.* 18 no.4:268-271 J1 '62.

1. II očni klinika fakulty vseobecneho lekarstvi KU v Praze, prednosta akademik J. Kurz - Fyziologicky ustav Ceskoslovenske akademie ved, reditel doc. dr. O. Poupa - Ustav makromolekularni chemie CSAV, reditel akademik O. Wichterle.

(PLASTICS) (TISSUE CULTURE)

HOLECKOVA, Ema; SEKLA, Bohumil; CUMLIVSKI, Bohumil; KOUT, Miloslav;  
JANELE, Jiri

Cytotoxic effect of heterologous immune sera against human leukemia.  
Cas. lek. cesk. 101 no.36:1086-1090 7 S '62.

1. Fyziologicky ustav CSAV Praha, Biologicky ustav fakulty vseobecneho  
lekarstvi KU Praha, Vyzkumny ustav zivocisne vyroby CSAZV Praha,  
Ustav hematologie a krevni transfuze, Praha, Fakultni nemocnice  
Praha-Vinohrady.

(IMMUNE SERUMS)

(LEUKEMIA)

HOLECROVA, E

CZECHOSLOVAKIA

G. HUDLICKA, J. BUREŠ, C. BUREŠOVÁ, V. GROSŠMANN, E. HOLECROVÁ, J. HOLUBAN and Z. HRUZA (Affiliations not stated)

"Progress in Physiological Science. The 22nd International Physiological Congress in Leyden."

Prague, *Czechoslovenska Fysiologie*, Vol 12, No 1, Jan 1963; pp 68-75.

Abstract: This is actually a series of 7 articles authored by the above 7 authors as follows: general aspects; conditioned reflexes, spreading depression, electrical activity of the cerebral cortex; sleep and awakening, biochemistry and metabolism of brain, reticular formation; general physiology and pharmacology; cell physiology; the neuron, the synapse, ganglionic transmission, mediators, GABA; and adaptation, stress and shock. Very condensed reports of this meeting in September, 1962 in Holland, giving essentially little more than the titles and authors and nationalities of states of origin. Some papers are digressed in a few sentences.

CZECHOSLOVAKIA

E. HOLECKOVA, Institute of Physiology of the Czechoslovak Academy of Sciences (Fysiologicky ustav CSAV [Ceskoslovenska Akademia Ved] Prague.

"Cold Adaptation from the Developmental Standpoint."

Prague, Ceskoslovenska Fysiologie, Vol 12, No 2, 1963; pp 89-94.

Abstract: Essentially a literature review of 2 Soviet, 4 Czech and about 30 Western publications, including author's experiments with cold adaptation of tissue cultures (HeLa, mouse fibroblasts) in a nutrient medium with and without cholesterol; changes in cell morphology and chromosome number. Photograph, graph, table; 7 photomicrographs; bibliography as stated above.

1/1

HOLECKOVA, E.; CHYTL, F.

Natural adaptation to intermittent starvation in wild Norway rats. *Physiol. bohemoslov.* 12 no.3:177-182 '63.

1. Institute of Physiology, Czechoslovak Academy of Sciences, Prague.

(STARVATION)	(ADAPTATION,	PHYSIOLOGICAL)
(LIVER)	(ADRENAL GLANDS)	(GLYCOGEN)
(CHOLESTEROL)	(NITROGEN)	(FATS)
(PEROXIDASES)	(TRYPTOPHAN)	

BAUDYSOVA, M. ; HOLECKOVA, E.; SEKLA, B.

The resistance of two lines of rats to tumour induction by  
3,4-benzpyrene. Neoplasma (Bratisl.) 11 no.3:293-298 '64

1. Institute of Physiology, Czechoslovak Academy of Sciences,  
Institute of Biology, Faculty of Medicine Charles University,  
Prague, Czechoslovakia.

KORYCH, B.; CERNY, M.; SOUKUP, F.; MISAROVA, Z.; CERNA, M.; SIMANKOVA, N.;  
HOLECKOVA, E.; CHYLE, M.

Chromosomal characteristics of various lines of tissue cultures  
in Czechoslovakia. Acta univ. Carol. [med] (Praha):Suppl. 18:  
143-149 '64.

1. Ustav pro lekarskou mikrobiologii a imunologii fakulty vse-  
obecneho lekarstvi University Karlovy v Praze (prednosta: prof.  
dr. F. Patocka); Ustav obecne biologie fakulty vseobecneho lekarstvi  
University Karlovy v Praze (prednosta: prof. dr. B. Sekla) a  
I. detska klinika fakulty detskeho lekarstvi University Karlovy  
v Praze (prednosta: prof. dr. J. Svejcar).

WAGNER, V.; HOLECKOVA, E.; MALY, V.; MOTLIKOVA, M.; SIKLA, B.

Reaction to *Brucella abortus* in rats resistant and susceptible to tumour homografts. *Neoplasma* (Bratisl.) 12 no.1:35-43 '65

1. Public Health laboratory, Prague; Physiological Institute, Czechoslovak Academy of Sciences, Prague; Institute of Health Service Organization, Charles University, Prague; Department of Microbiology, Hospital Bulovka, Prague; Department of General Biology, Charles University, Prague, Czechoslovakia.



L 2059-66

ACCESSION NR: AP5027290

CZ/0053/65/014/002/0039/0092

AUTHOR: Holackova, E.

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TITLE: Study of the adaptation and resistance of animal cells in tissue cultures

SOURCE: Ceskoslovenska fysiologie, v. 14, no. 2, 1965, 89-92

TOPIC TAGS: cytology, experiment animal, tissue physiology, histology, genetics, cell physiology

ABSTRACT: Cells have two kinds of vital activities: an internal and an external one. These two kinds of activities can best be investigated in cell cultures. The author investigated the adaptation responses of organisms to lowered temperature at the level of cells. These cells have been cultivated for extended periods in vitro, that is without access to regulative actions of the whole organism. Temperature of 4°C was used: cells originating in human cells Detroit 6, and from epidermic carcinoma HeLa in humans, and in mice were studied. Cultures were kept at 4°C for some time, and then returned to 36-37°C. Mice cells sur-

Card 1/2

L 2059-66

ACCESSION NR: AF5027290

(vived for 6 weeks, Detroit for 5 and HeLa only for 2. From surviving cells lines were prepared showing increased resistance to cold. Culture cells have higher chromosome numbers than those in intact organisms, usually between triploid and tetraploid numbers. Cold-tolerant cells showed further increase in chromosome numbers; this agrees with the fact that arctic flora have cells with higher chromosome numbers than that in a moderate climate. Orig. art. has: 4 graphs, 1 table.

ASSOCIATION: Fysiologicky ustav CSAV, Prague (Physiological Institute, CSAV)

SUBMITTED: 00

ENCL: 00

SUB CODE: IS

NR REF SOV: 000

OTHER: 011

JPRS

Card 2/2 *glo*

L 2063-66

ACCESSION NR: AP5027294

CZ/0053/55/014/002/0122/0125

AUTHOR: Soukupova, M.; Holecckova, E.

TITLE: Importance of tissue cultures for solving some special problems of gerontology

SOURCE: Ceskoslovenska fysiologie, v. 14, no. 2, 1965, 122-125

TOPIC TAGS: tissue physiology, histology, cytology, experiment animal, geriatrics, cell physiology

ABSTRACT: The latency period in ontologically grown cells as a function of the age of the donor is discussed. Growth of cells in vitro, after they were separated from the factors of their surroundings was investigated; tissues from rats of various ages were used. The composition of the emigrating cells, and the fine structure of the cellular protoplasm change. In explantates from young animals polymorphonuclear cells prevail; in adult and old animals mononuclear ones. These differences persist even after complete separation from intracellular materials. Cells that were grown in

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L 2063-66

ACCESSION NR: AP5027294

in vitro for very long period assume a malignant character and cause malignant tumors when implanted in susceptible organisms. The cells have more than diploid numbers of chromosomes.

Orig. art. has: 11 figures, 1 table, 1 graph.

ASSOCIATION: Biologicky ustav fak. vseob. lek. KU, Prague (Biological Institute, Faculty of General Medicine, KU); Fysiologicky ustav CSAV, Prague (Physiological Institute, CSAV)

SUBMITTED: 00

ENCL: 00

SUB CODE: LS

NR REF SOV: 000

OTHER: 017

JPRS

Card 2/2 *JP*

CZECHOSLOVAKIA

CHAUBAL, K.A.; HARTMAN, J.; HOLECKOVA, E.; LODIN, Z.; Institute of Physiology, Czechoslovak Academy of Sciences (Fysiologicky ustav CSAV), Prague.

"Morphologic and Cytochemical Changes During Adaptation of Animal Cells to Cold."

Prague, Ceskoslovenska Fysiologie, Vol 14, No 5, Oct 1965; p 350.

Abstract: Study of cold adaptation in hen fibroblasts and HeLa cells revealed that cold adaptation is accompanied by decrease in total dry weight of both cytoplasm and nucleus. Paper presented at the 15th Physiology Days, Olomouc, 27 May 65.

1/1

CZECHOSLOVAKIA

CERNY, M., BAUDYSOVA, M., HOLECKOVA, E: Biological Institute, Medical Faculty, Charles University, and Physiological Institute, Czechoslovak Academy of Sciences (Biologicky Ustav Lek. Fak. KU a Fysiologicky Ustav CSAV), Prague.

"Polyploidia and Endoreduplication in Mammal Cells Adapted to Cold."

Prague, Ceskoslovenska Fysiologie, Vol 15, No 2, Feb 66, pp 105-106

Abstract: Subcutaneous fibroblasts from mice were used to prepare a culture exposed repeatedly to cold. This results in replication without division of the cytoplasm, so-called endoreduplication, which was manifested after it was removed from the cold, during the first mitosis by the existence of diplochromosomes in cells. Endoreduplications were known previously to be due only to radiation effects. 4 Figures, 6 Western, 1 Czech reference. Submitted at "16 Days of Physiology" at Kosice, 29 Sep 65.

1/1

CZECHOSLOVAKIA/CUBA

FERNANDEZ, M., HOLECKOVA, E.: Institute of Hygiene, Ministry of Public Health, Havana [Original version not given]; Physiological Institute, Czechoslovak Academy of Sciences (Fysiologicky Ustav CSAV) Prague.

"Adaptation of Animal Cells to Higher Temperatures."

Prague, Ceskoslovenska Fysiologie, Vol 15, No 2, Feb 66, p 107

Abstract: A strain from mice fibroblasts L was exposed to 42° C and cultivated at 36° C. Resistance of these cells to 42° C temperature was compared to that of normal cells and of cells adapted to cold. The cells adapted to heat had best resistance to high temperature; those adapted to the cold, worst. The same strains of mammal cells may be adapted either to cold or to heat, but cells adapted to cold do not tolerate heat. 1 Figure, 2 Western, 1 Czech reference. Submitted at "16 Days of Physiology" at Kosice, 30 Sep 65.

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HOLECKOVA, Helena

Chemistry of essexite rocks in Ceske stredohori. Sbor chem tech 4  
no.1:391-400 '60. (EEAI 10:9)

1. Katedra mineralogie, Vysoka skola chemicko-technologicka, Praha.

(Rocks)



HOLECKOVA, Helena; SMEJKALOVA, Marie

Petrochemistry of Klatovy granite. Sbor chem tech no.3, part 2:307-319 '59.

1. Katedra mineralogie, Vysoka skola chemicko-technologicka, Praha.

KYRS, Miroslav; HOLECKOVA, Libuse; NEUMANN, Leo

Concentration and isolation of cesium-137 from the supply and river water by extraction of cesium polyiodides by nitrobenzene. *Jaderna energie* 8 no.12:429-431 '62.

1. Ustav jaderného výzkumu, Československá akademie věd, Řez u Prahy.

STRNAD, Miroslav; HOLECKOVA, Rut; ROZANEK, Pavel; STAROSTA, Vladimir;  
SEBESTA, Josef; STURSA, Vladimir; VOJTEK, Jaroslav

A method for the diagnosis of new cases and recurrence of tuberculosis. Sborn. ved. prac. lek. fak. Karlov. univ.: Suppl. 8 no.5:577-582 '65.

Age, occupation and social factors in severe tuberculoses. Ibid.:583-587

Resistance problems in Mycobacteria tuberculosis and the treatment of severe tuberculosis with secondary antitubercular agents. Ibid.:589-592

Some cases of severe tuberculosis escaping early diagnosis. Ibid.:593-598

1. Tbc oddeleni v Nachanicich (prednosta MUDr. J. Sebesta).

HOLECY, A.

Control of epidemic of hepatitis epidemica in the Kosice region. Lek.  
obzor 2 no.3:179-181 Mar 1953. (GLML 24:5)

L 35949-66 FCC

ACC NR: AP6027407

SOURCE CODE: HU/0017/66/000/002/0110/0120

AUTHOR: Holeczy, Gyula (Doctor)

ORG: none

14  
B

TITLE: Consideration of external effects in the inspection of high structures during various stages of construction

SOURCE: Geodezia es kartografia, no. 2, 1966, 110-120

TOPIC TAGS: general construction, civil engineering

ABSTRACT: The author describes his experiences regarding the effects of some external factors affecting the inspection of tall structures having small foundations during various stages of construction. These effects are mainly meteorological in nature (sun, wind, etc.). With the aid of techniques developed for this purpose it is possible to eliminate the effects of these factors and to determine accurately the verticality of the structure's axis and the configuration of its outline. These techniques were described and the operations involved in their use were discussed. Orig. art. has: 7 figures, 43 formulas and 1 table. [JPRS: 36,457]

SUB CODE: 13 / SUBM DATE: none / ORIG REF: 008

*ms*  
Card 1/1

UDC: 528.482

L 38356-66

ACC NR: AP6027966

SOURCE CODE: HU/0017/66/000/003/0194/0200

AUTHOR: Holeczy, Gyula (Doctor)

ORG: none

24  
B

TITLE: Investigation of movements of buildings caused by external factors

SOURCE: Geodezia es kartografia, no. 3, 1966, 194-200

TOPIC TAGS: wind, civil engineering, structure stability

ABSTRACT: Means for investigating movements of buildings by external factors such as unidirectional solar illumination, wind, and the like, were described. The techniques were employed in the study of the movements of the chimney stack of Danube-Shore Thermal Power Plant (Dunamenti Hoeromu)[location not given]. This chimney is 200 m. high. The daily movements caused by the sun and winds from various directions were determined geodetically. The results were presented and discussed. Orig. art. has: 3 figures and 1 table. [JPRS: 36,844]

SUB CODE: 13, 04 / SUBM DATE: none / ORIG REF: 007 / OTH REF: 001

*nd*  
Card 1/1

UDC: 624.058.3

HOLECZY, Julius, inž.; SEHNALEK, Frantisek, inž.; SCHMIEDL,  
Juraj, inž.

Processing of antimony sulfide concentrates by volatile  
oxidizing smelting. Sbo: VST Kosice 2:121-132 '62.

1. Katedra kovohutnictva, Vysoka skola technicka,  
Kosice.

HOLECZY, Gy.

126  
 3. Infrequently occurring geometric problems solved with a dual computer. Gy. Hólczy, *Egyszerű és Késlekedési Műszaki Egyetem Tudományos Közleményei* (Proceedings of the Technical University for Architecture, Civil and Transportation Engineering), Vol. 6, 1968, No. 2, pp. 2-24, 7 figs., 3 tabs.

The computation of indirect distance measurements by resection can be reduced to the solution of a linear equation system with two unknowns. This computation can be done very quickly with a dual computer. Having made the necessary adjustments and turning the result counters to identical values according to the well-known principle of the dual computer, the unknowns of the equation system will appear in the result counters and in the revolution counters. The constructive solution of the Pothot problem (resection) originating from Cassini can be applied to double and even multiple resections. The essence of the problem is that by inserting referring points the multiple resections can be actually transformed into resections always containing one unknown point less with the case of simple resection since, by this construction even multiple resections can be reduced to computations of intersections only, the more suitable for mechanical computation since the use of trigonometrical charts is reduced to a minimum. The time of computing with a dual computer is considerably reduced inasmuch as coordinates of the points can be computed simultaneously by pairs. Depending upon the number of unknown points to be computed by multiple resection the number of the required points of reference and of the intersections can be determined in advance permitting conclusions as to the volume of computation involved.

2

EE



AUTHOR: Holéczy, Július

CZECH/34-59-9-10/22

TITLE: Vacuum Distillation of Lead Matte

PERIODICAL: Hutnické listy, 1959, Nr 9, pp 796-798

ABSTRACT: On the basis of laboratory tests, the authors have proved the possibility of vacuum distillation of lead matte for the purpose of separating lead and zinc from copper. 97.8% of the lead and 99% of the zinc are transferred into the condensate and the obtained condensate represents a lead-rich concentrate which can be used for lead manufacture, whilst the produced matte is rich in copper with a very low content of lead and zinc which can easily be processed into converter copper without involving high losses. There are 6 figures, 1 table and 5 references, 2 of which are Czech and 3 Soviet.

ASSOCIATION: Hutnícka fakulta VŠT, Košice (Metallurgical Faculty, VŠT, Košice)

Card 1/1

Z/034/60/000/07/009/029  
E073/E535

AUTHORS: Holéczy, Július, Engineer and Koštenská, Irena, Engineer

TITLE: Commercial Classification of Metals 18

PERIODICAL: Hutnické listy, 1960, No 7, pp 545-546

ABSTRACT: The author proposes a classification of metals into the following categories: ferrous, heavy, light, precious, high melting point, rare earth, semiconductor, dispersed (gallium, indium and thalium) and radio-active metals. This classification is summarized in Table 1. There are 1 table and 4 references, 3 of which are Czech and 1 Soviet. ✓

ASSOCIATION: Hutnícka fakulta VŠT, Košice (Metallurgical Department, Košice)

Card 1/1

MALKOVSKY, Jaroslav, prof., dr., inz.; SCHMIEDL, Juraj, inz.; HOLECZY,  
Julius, inz.; SEHNALEK, Frantisek, inz.

Use of oxygen in some metallurgical processes. Hut listy 16  
no.8:573-580 Ag '61.

1. Hutnicka fakulta, Vysoka skola technicka, Kosice.

HOLECZY, Julius, inz.; SCHMIEDL, Juraj, inz.; SEHNALEK, Frantisek, inz.

Production of converter copper from sulphur-copper concentrates in continuous converters. Hut listy 16 no.12:893-894 D '61.

1. Hutnicka fakulta, Vysoka skola technicka, Kosice.

(Copper) (Sulphur)

SEHNALEK, Frantisek, inz.; HOLECZY, Julius, inz.; SCHMIEDL, Juraj, inz.

Continuous copper production. Tech praca 14, no.12:973-975 D  
'62.

1. Katedra kovhutnictva, Hutnicka fakulta, Vysoka skola  
technicka, Kosice.

HOLECZY, Julius, inz.; SEHNALEK, Frantisek, inz.; SCHNIEDL, Juraj, inz.

Oxidation volatilizing melting of sulfide antimony concentrates.  
Hut listy 17 no.7:503-507 J1 '62.

1. Hutnicka fakulta, Vysoka skola technicka, Kosice.

HOLECZY, Julius, inz.; SCHMIEDL, Juraj, inz.; SEHNALIK, Frantisek, inz.

Theory and model test of continuous converter processing of copper mattes. Hut listy 18 no.2:102-109 F '63.

1. Hutnicka fakulta, Vysoka skola technicka, Kosice.

CERNOCH, S., prof., inz.; HOLECZY, J., inz.; SEHNALEK, F., inz.; SCHMIEDL, J.,  
inz.

Oxidation volatile melting of sulfidic antimony concentrates; discussion.  
Hut listy 18 no.4:273-274 Ap '63.



HOLECZY, J.; SCHMIEDL, J.; SEHNALEK, Fr.

New methods of copper matte processing. Sbor VST Kosice no.1:  
85-92 '63.

1. Department of Metallurgy, Higher School of Technology, Kosice.  
Submitted April 15, 1962.

L 34148-66 EWP(t), STI 10P(c) JD

ACC NR: AP6026047

SOURCE CODE: CZ/0034/66/000/003/0226/0227

AUTHOR: Holeczy, J. (Engineer); Schmiedl, J. (Engineer); Schnalek, F. (Engineer)

ORG: none

38  
B

TITLE: Reverberatory furnace for continuous production of converter COPPER

27

SOURCE: Hutnicke listy, no. 3, 1966, 226-227

TOPIC TAGS: copper, metallurgic furnace, refractory, molten metal, metal melting

ABSTRACT: The article is a summary of Czechoslovak Patent Application Class 40a, 15/04, PV 5774-63, dated 22 Oct 63, improving Czechoslovak Patent # 104 449. The invention covers a feature of the design of the reverberatory furnace; part of the refractory lining extends to within 5 - 20 cm from the level of the molten metal. The lining has an inner hollow space, through which the fine grain ore charge together with the oxidizing gas are introduced in the furnace. The advantage of such an arrangement is that the charge enters a part of the furnace which is at the maximum temperature, where it melts immediately, avoiding any dust formation. Because of the proximity of the gas inlet to metal a lower gas pressure can be used than in other furnace designs.

Orig. art. has: 1 figure. [JPRS: 36,646]

SUB CODE: 11, 13 / SUBM DATE: none

Card 1/1 *W/S*

0976 1074

HOLECZY, Pavol, inz.

Literature for studying workers. Tech praca 15 no.5:388-389  
My '63.

1. Slovenske vydavatelstvo technickej literatury, Bratislava.

37467  
S/035/62/000/004/053/056  
A001/A101

6.4320

AUTHORS: Slawiński, S., Holejko, Krzysztof

TITLE: Radio range finder for measuring small distances

PERIODICAL: Referativnyy zhurnal. Astronomiya i Geodeziya, no. 4, 1962, 39,  
abstract 4G237 P (Polish patent, cl. 21 a<sup>4</sup>, 48/62, no. 44,375,  
27.04, 61)

TEXT: A radio range finder is patented for measuring distances up to 3 km with an error of  $10^{-5} D + 5$  cm. The range finder consists of two radio stations mounted at the ends of the line being measured. The stations operate at the 3-cm band. The two-side ultrashort-wave telephone communication is provided between the station operators. The frequency difference between the station klystron generators is constant and equal to 36 Mc. The basic standard frequency of the system is frequency  $f_1 = 15$  Mc, stabilized by quartz at the auxiliary station. At the main station, fluctuations of the carrier frequency are modulated by one of the two frequencies:  $f_g = f_1 - 1.5$  kc and  $f_d = f_1 + 1.5$  kc. Oscillations of the 1.5-kc frequency are transformed at the auxiliary station into repetition pulses of 3 kc. Upon returning to the main station the series of

Card (1/2)

Radio range finder for measuring ...

3/035/62/000/004/053/056  
A001/A101

pulses is separated from sine oscillations, and phase shift which serves to determine the line length is measured with a phasometer. The repetition frequency of 3 kc is selected with the aim to reduce the error in reading the phase and to distinguish the reflected signal from the sinusoidal signal of the main station. The carrier waves of the two stations are polarized along the vertical, which, in the authors' opinion, reduces measurement errors caused by wave reflection from the ground. Special attention is paid to stability of frequency differences:  $f_d - f_1 = 1.5$  kc;  $f_1 - f_g = 1.5$  kc. Prior to measurements it is recommended to tune the frequencies  $f_d$  and  $f_g$ , as well as to compare the frequency difference with the standard one.

Yu. Khmelevskiy

[Abstracter's note: Complete translation]


Card 2/2

P/019/61/010/003/004/008  
D265/D305

AUTHOR: Holejko, Krzysztof

TITLE: The physical principles of geodetic short distance measurements by means of electronic devices

PERIODICAL: Archiwum elektrotechniki, v. 10, no.3, 1961, 743-761

TEXT: This article provides an introduction to geodetic short distance measurement by calculating the phase shift of the electromagnetic waves emitted from two points A and B, the distance between which is sought, from the following formula 

$$l = AB = \lambda \psi = \frac{c}{f} (n + \phi) \quad (1)$$

( $\lambda$  - wave length,  $\psi$  - phase shift,  $c$  - velocity of wave propagation,  $f$  - frequency,  $\phi$  - phase meter reading as a fraction of  $\psi$ .)

Card 1/3

The physical principles of ...

P/019/61/010/003/004/008  
D265/D305

Given  $c$  and  $f$  the problem is confined to finding the values of  $\lambda$  and  $n$  ( $n$  - total number of wave lengths between A and B). Two methods of finding the phase shift are described: 1) Measurement of the carrier phase shift consisting of two systems of transmitters of fixed frequencies and receivers connected to a common antenna and situated at each end of the measured distance. The phase meter readings are taken at one end. 2) In the second method the phase shift measurement of the modulating signal is superimposed on a carrier. At both ends of the measured distance the microwave generators work at definite frequencies, chosen so that their differences are equal to the frequency to which two resonant amplifiers and receivers are tuned. The generators' frequencies are modulated to the voltage frequency and to the frequency of a separate generator. The comparison of phases is obtained at the receivers' ends. 3) For both methods described the factors influencing the phase meter readings are discussed and the final formulae are established for each case for the value of the phase shift after analytical considerations. In order to find the number of wave lengths -  $n$  - the method of calculation is devised whereby the coefficients  $a$ ,

Card 2/3

P/019/51/010/003/004/008  
D265/D305

The physical principles of ...

b, c, etc. of the expression  $n = a + 10b + 10^2c + 10^3d$  ... etc. are found from the series of measurements at various frequencies. The factors affecting the accuracy of the method described above for distance measurement are discussed. There are 3 figures, 2 tables and 10 references: 3 Soviet-bloc and 7 non-Soviet-bloc. The four most recent references to the English-Language publications read as follows: J. Briten, Electronic distance measure devices. Rev. Cartogr. 1957, Nr. 6, ss 63-76; A. S. Rosenthal, Electronic surveying. Electronics Nr. 23. 1959; T. L. Wadley, Tellurometer system of distance measurement. Empire surveying nev, Nr. 105, 1957; Surveying instrument for the precise measurement of length. Engineer Nr. 5280, 1957. ✓

Card 3/3



P/019/61/010/004/003/006  
D265/D303

AUTHOR: K. Holejko

TITLE: The influence of ground reflections on the accuracy  
of some electronic geodetic distance meters

PERIODICAL: Archiwum elektrotechniki, v. 10, no. 4, 1961, 855-875

TEXT: The author refers to his previous publication (Ref. 7: Arch. elektro. v. 10, no. 3) and describes in this paper the influence of ground reflections on the accuracy of geodetic distance measurements by the phase shift of a sinusoidal standard radio frequency wave superimposed on an electromagnetic carrier. Errors are due to the fact that the measurements are taken at a certain distance above the ground and the phase shift, indicated by the phase meter, includes the wave reflected from the ground. The ground reflection error is calculated on the basis of the image theory and is discussed as a function of the equipment parameters and various measuring situations. Influence of the beam width and the wavelength of the standard and carrier signals on magni-

Card 1/ 2

The influence of ground ...

P/019/61/010/004/003/006  
D265/DJ03

tude of the error is studied in detail. An analysis is given of the relationship between the ground reflection error and the plane wave reflection coefficient, the distance measured and the height at which the instruments are placed. It is concluded that in certain cases this error can be diminished by changing the wavelength of the carrier or by changing the height at which the instruments are fixed. There are 10 figures and 11 references: 5 Soviet-bloc and 6 non-Soviet-bloc. The 4 most recent references to the English-language publications read as follows: H.S. Black, "Modulation theory", D. Van Nostrand Co. Inc., (1957); M.G. Crosby, "Frequency modulation propagation characteristics", RCA Revier Princeton 1948; M.S. Corrington, "Frequency modulation caused by multipath transmission", RCA Revier Princeton, 1948; D.E. Kerr, "Propagation of short radio waves", McGraw Book Co. 1948

ASSOCIATION: Politechnika Warszawska (Warsaw Polytechnic)

SUBMITTED: March 6, 1961

Card 2/2

HOLEJKO, Krzysztof

The KG electronic geodetic distance meter. Prace Inst geod  
10 no.1:96-114 '63.

HOLEJSOVSKY, J.

They dug 130 kilometers of drainage ditches. p. 371. (MECHANISACE  
ZEMEDELSTVI, Vol. 7, No. 16, Aug 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 12, Dec 1957. Uncl.

L 10/02-67  
ACC NR: AP6028181 (A) SOURCE CODE: CZ/C078/66/C00/006/0028/C028

INVENTOR: Holec, Emanuel (Brno)

ORG: none

TITLE: [Manual safety catch for a firearm] CZ Pat. No. PV 3010-65, Class 72

SOURCE: Vynalezky, no. 6, 1966, 28

TOPIC TAGS: ~~weapons~~ safety engineering, WEAPON COMPONENT, SMALL ARMS

ABSTRACT: A manual safety catch for a firearm, i.e., hunting rifles and the like, is described which consists of a repeater mounted by a hinge to the body of the release. The distinguishing feature of the device is that it is fitted with a carrier and a locking cog. At the same time the hammer is fitted with a driving cog positioned against the carrier.

SUB CODE: 19/ SUBM DATE: 08May65

Card 1/1 <sup>5/10</sup>

HOLEK, F.

Contribution to the question of planning the requirements of machine-tractor stations. p. 223. SBORNIK. RADA ZEMEDELSKA EKONOMIKA. Praha. Vol. 28. no. 3, Aug. 1955.

Source; East European Accessions List (EFAL), LC, Vol. 5, no. 3, March 1956.

HOLEK, Miroslav, inz.

Designing panel houses in the North Moravia region. Poz  
stavby ll no.5:233-234 '63.

1. Krajsky projektovy ustav, Ostrava.

HOLEK, Mojmir

Light assembled constructions from cemented particle boards.  
Drevo 19 no.7:263-265 J1 '64.

1. Zapadoceske drevarske zavody, Marianske Lazne.



HOLEK, S.

3836

045.021.7 : 021.021.04 : 543.016

CH

Kuropiecka J., Holek S. A Rapid Method for Determining Soap Content in Consistent Greases.

"Opracowanie szybkiej metody oznaczania zawartości mydła w stałych starych" (Prace Inst. Naft. No. 36, 1954, Stalinogród, PWT, 11 pp., 10 figs., 6 tabs.

A rapid method for determining the soap content in consistent greases is described. The method consists in dissolving a grease sample in a mixture of ethyl alcohol and benzene (1:2) and in back titration of soaps by the 0.1 N alcohol solution of HCl according to the reaction: MeR HCl + MeCl + HCl. Admixtures of carbonate present in the greases are removed from the solution by filtering. Free bases in sodium greases are removed or changing them into carbonate and by subsequent filtering. In calcium greases, however, such bases are determined separately and subtracted from the general results. Titration is carried out by the conductometric method. The method gives approximate results based on the average acid number of fatty acids. If the kind of soap composing the soap is known, the results are exact. Deviations in parallel determination do not exceed 0.4 per cent of fatty acids in relation to the grease, being on the average about 3 per cent of the lower result. The conformity of results with the actual soap content and with results obtained by other methods is satisfactory. The duration of the determination is from 5 to 10 hours, depending on the rate of dissolution of a grease.

①

HOLEK, S.

SECRET

ERSEPKE, Zdenek; HOLEK, Tomas

Special potentiostats for continuous and discontinuous electrolysis. Chem listy 58 no.11:1325-1329 N '64.

1. Research and Testing Institute of Nova Hut Klementa Gottwalda and Electrolevision Service, Ostrava.

ERSEPKE, Zdenek; HOLEK, Tomas

Multipurpose electroanalyzer. Chem listy 57 no.7:723-728  
Jl '63.

1. Vyzkumny a zkusebni ustav, Nova hut Klementa Gottwalda a  
Elektrotelevizni sluzba, Ostrava.

HOLEMAR, Alois; KOVANDA, Ladislav

← Gear milling cutter, spiral-fluted. Stroj vyr 10 no.6:318  
'62.

1. Zdarske strojirny a slevarny, n.p., Zdar nad Sasavou.

HOLEMAR, Alois; JONAS, Karel, inz.

Gears with Novikov toothings. Stroj vyr 11 no.6:280-285 Je '63.

L. Zdarske strojirny a slevarny, p.p., Zdar nad Sazavou.

HOLENDA, B.

E-2

COUNTRY : Czechoslovakia  
CATEGORY : Analytical Chemistry. Analysis of Inorganic Substances.  
ABS. JOUR. : RZKhim., No. 19, 1959, No. 67704

AUTHOR : Lusk, K.; Holenda, B.

TITLE : Direct Determination of Cyanides in Zinc Electroplating Baths

ORIG. PUB. : Chem. listy, 1958, 52, No 9, 1829

ABSTRACT : For a rapid determination of CN<sup>-</sup> in alkaline solutions use is made of direct titration of CN<sup>-</sup> with a solution of NiSO<sub>4</sub> using rubenic acid(I) as an indicator. Since I is unstable in ammoniacal solutions the titration end-point is determined by a spot test on paper. In the determination of CN<sup>-</sup>, there are added to 1 ml of the solution being analyzed 10 ml NH<sub>4</sub>OH (1:1) and approximately 50 ml water, and titration is carried out with a solution of NiSO<sub>4</sub> (10 g NiSO<sub>4</sub>·7H<sub>2</sub>O dissolved in 1 liter water; 1 ml of this solution corresponds to 3.7 mg CN<sup>-</sup>). Titration end-point is determined by placing a drop of the titrated solution on paper impregnated with 0.5% ethanol solution of I.

CARD: 1/2

COUNTRY : Czechoslovakia  
CATEGORY : ..

E-2

APPROVED FOR RELEASE: 09/21/2001

CIA-RDP86-00513R000618110012-1"

ABS. JOUR. : RZKhim., No. 19, 1959, No. 67704

AUTHOR :  
INST. :  
TITLE :

ORIG. PUB. :

ABSTRACT : which results in an immediate formation of a red-brown color along the edge of the deposited drop. In accuracy the method is comparable to the method of Lietig and Deniges, but it is faster and simpler.

Karel Kamen

CARD: 2/2

HOLENIA, L.

New axial tendon suture. Roshl.chir.39 no.12:793-795 D '60.

I. Z chirurgického oddel. OUHZ v Partizanskem, prednosta MUDr.  
L.Holenia.  
(TENDONS surg)



HOLENYI, L.

Construction of public utility works in the area of Lake Balaton in 1958-59. p.XI

MAGYAR ÉPÍTŐIPAR. (Építőipari Tudományos Egyesület)  
Budapest, Hungary  
Vol.8, no.9. Sept. 1959

Monthly List of East European Accessions (EEAI) LC., Vol. 8, no.12, Dec. 1959  
Uncl.

PAPP, Ferenc, dr.; BOZSONY, Denes; VAGAS, Istvan; OROSZLANY, Istvan;  
SCHULHOF, Odon, dr.; SZIGYARTO, Zoltan; HETENYI, Endre; HOLENYI,  
Laszlo; GABRI, Mihaly; HOLLO, Istvan; KESSLER, Hubert, dr.;  
WISNOVSZKY, Ivan; FINALY, Lajos; RATKY, Istvan; SZALAY, Miklos;  
IHRIG, Denes; KIRALY, Lajos; KERTAI, Ede

Report on the 1959 general meeting arranged by the Hungarian  
Hydrological Society. Hidrologiai kozlony 40 no.4:345-348 Ag  
'60.

1. Magyar Hidrologiai Tarsasag elnoke (for Papp). 2. Magyar  
Hidrologiai Tarsasag fotitkara (for Bozsony). 3. "Hidrologiai  
kozlony" szerkeszto bizottsagi tagja (for Vagas, Oroszlany,  
Schulhof, Szigyarto and Hollo).

HOLENYI, Laszlo

Sewage disposal problems around Lake Balaton. Hidrologiai  
kozlony 42 no.6:493-500 D '62.

1. Balatoni Intezo Bizottsag Titkarsaga, Budapest.

HOLENYI, Laszlo

Reply to Dr. Olga Sebestyen's remark. Hidrológiai közlöny 43 no.3:  
267 Je '63.

1. Balatoni Intezobizottsag Titkarsaga, Budapest.

HOLENYI, Laszlo, Fomernok

Study trip to Scandinavia. Kozluked kozl 20 no.45:729-  
733 8 N '64.

*Holer J.*  
CZECHOSLOVAKIA / Analytical Chemistry. Analysis of  
Inorganic Substances.

E-2

Abs Jour: Ref Zhur-Khimiya, 1958, No 17, 57211.

Author : Celechovsky J., *Holer J.*  
Inst : Not given.  
Title : Photometrical Determination of Fluorides.

Orig Pub: Chem. listy, 1957, 51, No 11, 2129-2131.

Abstract: Degree of decolorization of the red solutions containing complex of antipyrene (Ant) and  $\text{Fe}^{3+}$  with ions of  $\text{F}^-$  has been investigated. It was found that the greatest decrease in optical color density of colored solution takes place at 2 pH and at the antipyrene concentration of  $4 \times 10^{-2}$  M. This change occurs as a result of an interaction between the  $\text{Fe}_2\text{Ant}_3^{6+}$  and the  $\text{F}^-$  ions with the formation of a colorless  $\text{FeF}^{2+}$  complex. Photometrical

Card 1/3

26

CZECHOSLOVAKIA / Analytical Chemistry. Analysis of  
Inorganic Substances.

E-2

Abs Jour: Ref Zhur-Khimiya, 1958, No 17, 57211.

Abstract: determinations of  $\text{F}^-$  are made, therefore, possible by utilizing the degree of decolorization. This has been done under similar conditions ( $465\text{m}\mu$ ), in the  $\text{F}^-$  concentration range of 35-300  $\mu$ , using 25 cc of the final solution, and obtaining results whose relative error varied between -3.1 and +4.6%. The optimum concentration of  $\text{Fe}^{3+}$  investigated was determined from samples containing:  $10.75 \times 10^{-6}$ ,  $5.7 \times 10^{-6}$ , and  $3.15 \times 10^{-6}$  M. The correspondingly stronger reducing agents and compounds that form stable complexes with either  $\text{Fe}^{3+}$  or  $\text{F}^-$  were found detrimental and interfering. Presence of  $\text{Cl}^-$  (in

Card 2/3

CZECHOSLOVAKIA / Analytical Chemistry. Analysis of  
Inorganic Substances.

E-2

Abs Jour: Ref Zhur-Khimiya, 1958, No 17, 57211.

Abstract: quantities 200 times greater than that of Fe<sup>3+</sup>)  
can be tolerated.

Card 3/3

27

Holes, C.

Possibilities of accelerating fermentation of beer. p. 28.  
KVASNY PRUMYSL. (Ministerstvo potravinarskeho prumyslu) Praha.  
Vol. 2, no. 2, Feb. 1956.

Source: EEAL LC Vol. 5, No. 10 Oct. 1956



HOLES, K.

A

19-112. Stanovení Vhodných Podmínek pro Válcování Za Tepla Hliníkové Slitiny Typu Al-Mg-Si. (The Determination of Advantageous Conditions for the Hot Rolling of Aluminum Alloys Containing Mg and Si.) *Knyz. Hutnické Listy*, v. 2, Oct. 1947, p. 77-80.

Results of an experimental investigation of the above which show that it is necessary to heat the sheet billets designed for hot rolling to a temperature of 540 C to avoid formation of cracks during hot rolling and to produce sheets capable of deep drawing at an annealing temperature of 400 C.

ASME-ISA METALLURGICAL LITERATURE CLASSIFICATION

6200 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900 8000 8100 8200 8300 8400 8500 8600 8700 8800 8900 9000 9100 9200 9300 9400 9500 9600 9700 9800 9900

1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400 2500 2600 2700 2800 2900 3000 3100 3200 3300 3400 3500 3600 3700 3800 3900 4000 4100 4200 4300 4400 4500 4600 4700 4800 4900 5000 5100 5200 5300 5400 5500 5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900 8000 8100 8200 8300 8400 8500 8600 8700 8800 8900 9000 9100 9200 9300 9400 9500 9600 9700 9800 9900

S HOLES, K.

*Handwritten signature*

Repair of Castings with Synthetic Resins. K. Holeš.  
(*Hutnická Listy*, 1961, 6, 5, 229-31). [In Czech]. Tests  
lasting six months showed that only certain bakelite resins  
are suitable for rendering porous castings serviceable. The  
resin is introduced into the castings either by a vacuum or by  
compressed air. Both methods are described. - R. G.

HOLES, S.

" A ferrite-erasing head for tape recorders." P. 165.

SEDLOVACI TECHNIKA. (Ministerstvo strojirenstvi). Praha, Czechoslovakia,  
Vol. 7, No. 5, May 1959.

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Uncla.

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HOLESINSKY A. Deficiencies in technical requirements. p. 157.

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