

HUNGARY

SZTANYIK, Laszlo, Dr, physician-lieutenant colonel, GESZTI, Olga, Dr, physician-lieutenant colonel, MANDI, Erika, Health Service of the Hungarian People's Army (A Magyar Nephadsereg Egeszsegugyi Szolgalata) and the Frederic Joliot-Curie National Radiation Biological and Radiation Hygiene Institute (Frederic Joliot-Curie Orszagos Sugarbiologiai es Sugaregeszsegugyi Intezet) (director: VARTERESZ, Vilmos, Dr, candidate of medical sciences).

"Blood Volume Determination in Animal Experiments With a Radioactive Isotope I."

Budapest, Honvedorvos, Vol XV, No 3, July-Sept 1963, pages 234-242.

Abstract: [Authors' Hungarian summary] The blood volume of 40 rabbits has been determined by the use of various radioactive isotope techniques. Some of the tests have been carried out with I^{131} -labelled plasma proteins. The blood volume, calculated from the plasma volume by use of the hematocrit value, was found to be 6.65 ± 0.38 per cent of the body weight. The total volume of erythrocytes has been determined with P^{32} . The blood volume, based on this method, was found to be 6.50 ± 0.51 per cent of the body weight. The difference between the two values has been obtained if the blood

L 64085-65 EWG(j)/EWT(m)
ACCESSION NR: AP5022159

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AUTHOR: Gesztli, Olga (Gesti, O.) (Doctor, Physician, Lieutenant Colonel);
Sztanyik, László (Stanik, L.) (Doctor, Physician, Lieutenant Colonel); Arki, Istvan
(Doctor); Mandi, Erika (Mandi, Ye.)

TITLE: Role of blood catalase activity in the radiation damage^H of erythrocytes

SOURCE: Magyar radiologia, no. 5, 1964, 288-293

TOPIC TAGS: rabbit, x ray irradiation, radiation biologic effect, radiology,
blood, radiation damage

Abstract: [Authors' English summary modified] The changes in blood catalase activity have been investigated in 18 normal rabbits and in 38 rabbits irradiated with different doses of X-ray. Determinations were made within the first hours following irradiation and during the first 10 days. It was found that the changes in the catalase index remained within normal biological limits. A slight decrease has only been observed at the preterminal stage. In the mechanism of radiation damage to erythrocytes, therefore, the catalase

33
31
B

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2

Orig. art. has 3 graphs.

ASSOCIATION: Magyar Nephadsereg Egészségügyi Szolgálat (Health Service of the Hungarian People's Army); Frederic Joliot-Curie Országos Sugárbiológiai és Sugáregészségügyi Kutató Intézet ("Frederic Joliot-Curie" National Research Institute of Radiation Biology and Radiation Hygiene)

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SZTANYIK, Laszlo, Dr, physician-lieutenant colonel, MANDI, Erika, Hungarian People's Army, Health Service (Magyar Nephadsereg Egyszegugyi Szolgalata), and the National 'Frederic Joliot-Curie' Research Institute of Radiobiology and Radiation Hygiene (director: VARTERESZ, Vilmos, Dr, cand. of med.) (Orszagos 'Frederic Joliot-Curie' Sugarbiologiai es Sugaregeszsegugyi Kutato Intezet).

"Study of the Radiation Damage to Erythropoiesis Using an Iron Isotope in Mice. I. ^{59}Fe Incorporation Into the Erythrocytes and Storage Organs of Normal and Irradiated Mice."

Budapest, Honvedorvos, Vol XVIII, No 2, Apr-Jun 66, pages 117-126.

Abstract: [Authors' Hungarian summary] In normal mice, a considerable portion of the i.v.-administered, radioactive ^{59}Fe isotope is incorporated into the erythrocytes and appears in the circulation in about 72 hours. The rest of the radioactive iron is taken up mainly by the storage organs - bone marrow, liver and spleen. When the iron isotope is administered 24 hours after irradiation, the extent of erythrocyte labelling is decreased in inverse proportion to the dose used for irradiation although the rate of erythropoiesis both

MADAI, Istvan, dr.; MATOLCSI, Kalman

Efforts for acceleration of extracorporeal dialysis of the blood;
a preliminary report. Orv hetil 95 no.21:562-566 My '54.
(EAL 3:8)

1. A Debreceni Orvostudományi Egyetem II. sz. sebészeti klinika-
jának (igazgató: Ladanyi Józsa dr. egyetemi tanár) az orvostudományok
kandidátusa) közleménye.
(KIDNEYS, artif.
*hemodialysis, modified appar.)

MANDI, Istvan, Dr.; NAGY, Zoltan, Dr.

Spectral analytic studies on the determination of heavy metal salts in kidney calculi. *Magy. sebeszet* 11 no.2:151-155 Apr-June 58.

1. A Debreceni Orvostudományi Egyetem II. sz. Sebészeti Klinikájának (igazgató: Dr. Ladányi Józsa) és a Debreceni Orvosi Vegytani Intézet (igazgató: Dr. Straub János) közleménye.

(KIDNEYS, calculi

heavy metal salt content, determ., spectrum analysis (Hun))

(METALS, determ.

heavy metal salts in kidney calculi by spectrum analysis (Hun))

(SALTS, determ.

same)

KULCSAR, Andras, dr.; TOMPA, Gyula, dr.; JONA, Gabor, dr.; MANDI, Istvan, dr.;
PREKOPA, Almos, dr.

Diagnosis and arteriographic localization of pheochromocytoma
with the application of regitin as a contrast medium. Orv.hetil.
101 no.47:1678-1680 20 N'60.

1. Debreceni Orvostudományi Egyetem, I. sz. Belklinika és II.
sz. Sebészeti Klinika.
(PHEOCHROMOCYTOMA diag)

MANDI, L.
~~CONFIDENTIAL~~

Therapy of respiratory tuberculosis in the adults. Orv. hetil. 93 no.
13:382-386 30 Mar 1952. (CML 23:3)

1. Doctor. 2. Debrecen State Tuberculosis Sanatorium (Director -
Head Physician -- Prof. Dr. Ferenc Pongor).

MANDI, LASZLO

MANDI, Laszlo, dr.; BERENCSI, Gyorgy, dr.

On mycosis of lungs, with remarks on two cases. Orv. hetil. 95
no.27:742-744 4 July 54.

1. A debreceni Allami Tudobeteggyogyintezet (igazgato-foorvos:
Pongor Ferenc dr.) II. e. belosztalyanak (foorvos: Mandi Laszlo
dr.) es laboratoriumanak (foorvos: Berencsi Gyorgy dr.) kozlemenye
(LUNGS, diseases
mycosis, case reports)
(FUNGUS DISEASES
lungs, case reports)

MANDI, Laszlo, dr.

Significance of antituberculotics in the surgical therapy of pulmonary tuberculosis. Tuberk. kerdesei 8 no.5:149-153 Oct 55.

1. A debreceni Orvostudományi Egyetem Tbc. Klinikája (igazgató: Pongor, Ferenc, dr.) I. belosztályának (főorvos: Mándi, László, dr.) közleménye.

(TUBERCULOSIS, PULMONARY, surg.

indic. & value of associated chemother. (Hun))

MANDI, Laslo, dr.; SCHNITZLER, Jozsef, dr.

Pathogenesis and therapy of tuberculosis of peripheral lymph nodes.
Orv. hetil. 96 no.3:57-64 16 Jan 55.

1. A Debreceni Allami Tudobeteggyintezet (igazgato-foorvos:
Pongor Ferenc dr.) II. sz. Belosztalyanak (foorvos: Mandi Laszlo
dr.) es Sebészeti Osztalyanak (foorvos: Schnitzler Jozsef dr.)
kozlemenye.

(TUBERCULOSIS, LYMPH NODE,
Pathogen. & ther.)

BERENCSEI, Gyorgy, dr.; MANDI, Laszlo, dr.; SCHNITZLER, Jozsef, dr.

Effects of chemotherapy on the pathological picture of pulmonary tuberculosis. Tuberk. kerdesei 9 no.2:83-88 Apr 56.

1. A Debreceni Orvostudományi Tbc. Klinikájának (igazgató: Pongor, Ferenc dr.) közleménye.
(TUBERCULOSIS, PULMONARY, ther. chemother., histopathol. changes after prolonged ther. (Hun))

MANDI, László, dr.

Ambulatory drug therapy. Tuberkulózis 13 no.7:200-206 J1 '60.

1. A Debreceni Orvostudományi Egyetem Tbc Klinikája (igazgató: Pongor Ferenc dr. tanszékvezető docens) II. sz. Belosztályának (osztályvezető: Mándi László dr. egyetemi docens) közleménye
(TUBERCULOSIS, PULMONARY ther.)

MANDI, Laszlo, dr.

Thoracic sarcoidosis. Orv.hetil. 102 no.24:1105-1115 11 Je '61.

1. Debreceni Orvostudományi Egyetem, Tbc. Klinika.

(SARCOIDOSIS) (LUNG DISEASES)

MANDI, Laszlo, dr.; GAT, Laszlo, dr.; KOVESDI, Jozsef, dr.; MOLNAR, Borbala, dr.;
PINTER, Laszlo, dr.

Ophthalmological aspects of sarcoidosis. Orv. hetil. 103 no.33:1542-
1547 19 Ag '62.

1. Debreceni Orvostudományi Egyetem, Tbc Klinika.
(SARCOIDOSIS diag) (EYE dis)

MANDI, L.

Suggestions of the committee on sarcoidosis nomenclature.
Tuberkulosis 17 no.5:159-160 My '64.

VEZENDJ, Sandor, dr.; MANDI, Laszlo, dr.; SZABO, Anna, dr.; MESZAROS, Lajos, dr.

Significance of pleurisy in the development of remote pulmonary tuberculosis. Tuberkulozis 17 no.7:202-204 J1 '64.

1. A Debreceni Orvostudományi Egyetem TBC Klinikájának (mb. igazgató: Pongor Ferenc dr.) közleménye.

MANDI, Laszlo, dr.

Thoracic sarcoidosis in childhood. Orv. hetil. 106 no.11:487-491
14 Mr '65

1. Debreceni Orvostudományi Egyetem, Tbc Klinika (mb. igazgató:
Pongor, Ferenc, dr.)

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BACSA, Sandor, Dr, MANDI, Laszlo, Dr; Medical University of Debrecen, Tb Clinic (director: PONGOR, Ferenc, Dr) (Debreceni Orvostudományi Egyetem, Tbc Klinika).

"Lymphographic Examinations in Thoracic Sarcoidosis."

Budapest, Orvosi Hetilap, Vol 107, No 35, 28 Aug 66, pages 1641-1644.

Abstract: [Authors' Hungarian summary] On 12 patients with histologically confirmed sarcoidosis, the lymphatic system of both lower extremities was filled with a 38 per cent solution of Lipidol U.F. contrast material. It was found that, in addition to the thoracic changes, the majority of patients in the I. and II. clinical stage of the disease showed signs of involvement of the inguinal, pelvic and paraaortic lymph nodes as well. This served as proof of the earlier hypothesis that sarcoidosis is a systemic disease of the lymphoreticular system. Simultaneously with the recovery of the thoracic

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Internal Medicine

MANDI, Laszlo, Dr, KELEMEN, Janos, Dr, BACSA, Sandor, Dr; Medical University of Debrecen, Tb. Clinic (director: PONGOR, Ferenc, Dr) and Institute of Pathological Anatomy (director: ENDES, Pongrac, Dr) (Debreceni Orvostudományi Egyetem, Tbc. Klinika és Korbonctani Intézet).

"Biopsy Examinations in Sarcoidosis; Inguinal Lymph Node Biopsy."

Budapest, Orvosi Hetilap, Vol 107, No 35, 28 Aug 66, pages 1650-1653.

Abstract: [Authors' Hungarian summary modified] On the basis of lymphographic studies on 12 patients, it was concluded that thoracic sarcoidosis, in the cases observed, represents a partial symptom of a systemic disease in which considerable enlargement of the lymph nodes in the inguinal region can be demonstrated. In 7 cases, biopsy of the superficial lymph nodes of the latter region was performed; a histological finding indicative of sarcoidosis was obtained in 4 cases (mostly from almond to plum-sized nodes). In 5 cases of the disease (not confirmed by lymphography), the routine biopsy from pea-bean sized inguinal nodes was negative while in 3 cases, involving somewhat larger lymph nodes, the possibility of early changes due to sarcoidosis was raised. Biopsy from this region appears to be useful in the presence of rather greatly enlarged lymph nodes. The histological findings in tissue from this region are more reliable from the differential diagnostic aspect (ex-

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KRASZNAI, Geza, Dr, SZABO, Anna, Dr, ~~MANDI, Laszlo, Dr~~: Medical University of Debrecen, Institute of Pathological Anatomy (director: ENDES, Pongrac, Dr) and Pulmonary Clinic (director: PONGOR, Ferenc, Dr) (Debreceni Orvostudományi Egyetem, Korbonctani Intezet es Tudoklinika).

"Pulmonary Alveolar Proteinosis."

Budapest, Orvosi Hetilap, Vol 108, No 8, 19 Feb 67, pages 347-351.

Abstract: [Authors' Hungarian summary] A literature survey is presented on pulmonary alveolar proteinosis (PAP) followed by the discussion of a case. Clinical and laboratory studies failed to yield a diagnosis. Lung biopsy was performed and the presence of PAP was confirmed by a histological evaluation. Examination of the sputum was also of diagnostic value since, in addition to a PAS-positive, cell-free, granulated material, it also contained bodies of lamellar and granular structure resembling corpus amylaceum. The patient's anamnesis, his occupational history, the symptoms, the clinical appearance of the disease and the histological picture correspond, in all their major characteristics, to pulmonary alveolar proteinosis as described by Rosen et al. All 30 references are Hungarian.

16.6200

S/044/62/000/006/061/127
B168/B112

AUTHOR: Mandi, Petr

TITLE: Spectral theory of semi-groups connected with diffusion processes and its application

PERIODICAL: Referativnyy zhurnal. Matematika, no. 6, 1962, 5, abstract 6V22 (Chekhosl. matem. zh., v. 11, no. 4, 1961, 558-569)

TEXT: Diffusion processes on an interval $(0, \infty)$, for which the Fokker-Planck-Kolmogorov equation has the form

$$\frac{\partial u}{\partial t} = \frac{\partial}{\partial x} \left(\frac{\partial u}{\partial x} - b(x)u \right) = Lu,$$

are examined. It is assumed that ∞ is a natural boundary in Feller's sense, but that the reflecting, elastic, or absorbing screen is situated at zero. The limiting behavior of the probability distribution of this process when $t \rightarrow \infty$, and also that of the conditional distribution at moment t on condition that absorption has not taken place up to this

Spectral theory of semi-groups...

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B168/B112

particular, the following result was obtained. If

$$\int_0^{\infty} \exp \left\{ \int_0^x b(s) ds \right\} dx < \infty \quad \text{and} \quad \int_0^{\infty} \left| \frac{1}{2} b^2(x) + b'(x) \right| dx < \infty,$$

then a limiting probability distribution exists in the case of the reflecting screen when $t \rightarrow \infty$. In the case of the absorbing or the elastic screen the conditional distribution in fact tends to ∞ ; but if

$$\frac{1}{2} b^2(x) + b'(x) \rightarrow \infty, \quad x \rightarrow \infty,$$

then its absolute value tends to the limiting distribution.
[Abstracter's note: Complete translation.]

MANDL, Petr

an elementary proof of the ergodic property of the shift and vector processes. Cas pro pest mat 89 no.3:340-352 1962.

1. Institute of Information Theory and Statistics, Prague, Vysehradská 49.

MANDIC, Dragutin

Otorhinogenic meningitis in the era of antibiotics. Med. glasn.
10 no.8:336-338 Aug 56.

1. Otorinolaringolosko odeljenje Zeleznicke bolnice Dedinje u
Beogradu (upravnik: dr. D. Stojanovic).

(MENINGITIS, ther.

intralumbar admin. of antibiotics in otorhinogenetic
meningitis (Ser))

(ANTIBIOTICS, ther. use

otorhinogenetic meningitis, intralumbar admin. (Ser))

MANDIC, Dragutin

Treatment of oromaxillary fistulas of dental origin. Srpski
arh. celok. lek. 84 no.2:208-215 Feb 56.

1. Otorinolaringolosko odeljenje Zeleznicarske bolnice u Beogradu.
Sef; prim. dr. Dragoslav Stojanovic.

(FISTULA,
oroantral, management (Ser))

(MAXILLARY SINUS, fistula
same)

(MOUTH, fistula
same)

YUGOSLAVIA

Dr Dragutin MANDIC, Dr Dragoslav STOJANOVIC, Dr Milan FOTIC and Dr Dusan KAUNOVIC, Otorhinolaryngology Department of the Railway Hospital (Otorinolaringolosko odeljenje Zeleznicke bolnice) Dedinje, Belgrade.

"Treatment of Oromaxillary Fistulae of Dental Origin."

Zagreb, Lijecnicki Vjesnik, Vol 85, No 3, 1963; pp 269-273.

Abstract [English ~~summary~~ modified]: Review of 53 cases; only 4 patients appeared less than a month after the fistula was first noted by them (most were due to dental extractions) so that surgical treatment with antibiotics was required. The operative techniques are described in some detail. Two tables, 3 diagrams, 2 Yugoslav and 8 Western references.

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YUGOSLAVIA

MANDIC, Dragutin and NAUNOVIC, Dusan; Otorhinolaryngology Department of the Railways Hospital (Otorinolaringolosko odeljenje Zeleznicke bojnice); Chief (Sef) Primarius Dr Dragoslav STOJANOVIC, Dedinje - Belgrade.

"Bronchoscopic Appearance of Pulmonary Carcinoma."

Belgrade, Srpski Arhiv za Tselokupno Lekarstvo, Vol 91, No 4, Apr 63; pp 385-390.

Abstract : On the basis of 100 case histories, authors urge that bronchoscopy be done earlier - in fact any suspicious persistent cough should be sufficient indication to carry out procedure, following immediately with bronchography for better validity. These are the most important methods permitting early diagnosis of pulmonary cancer. Two tables; 6 Western and 9 Yugoslav references.

MANDIC, Dragutin, dr.; STOJANOVIC, Dragoslav, dr.; FOTIC, Milan, dr.;
NAUNOVIC, Dusan, dr.

Our experiences in the treatment of oromaxillary fistulae
of dental origin. Liječn. vjesn. 85 no.3:269-273 '63.

1. Iz Otorinolaringoloskog odeljenja Zeleznicke bolnice Dedinje
u Beogradu.

(FISTULA) (TEETH) (MOUTH)
(MAXILLARY SINUS)

STOJILJKOVIC, Zivko, dr; MANDIC, Hranislav, san. tehn.

Physiological effect of dust respirators on the body of a
miner during work. Rudar glasnik 4:67-76 '64.

1. Institute of Industrial Safety and Health Protection,
Belgrade.

JOKANOVIC, Rosanda; MANDIC, Ivka

Mauriac's syndrome. Srpaki arh. celok. lek. 89 no.4:465-470 Ap '61.

1. Pedijatrijska klinika Medicinskog fakulteta Univerziteta u Beogradu.
Upravnik: prof. dr Borivoje Tasovac.

(DIABETES MELLITUS in inf & child)

MANDIC, J., inz.

Automation of signalization in the high-voltage distribution installations. Elektroprivreda 15 no.6/7; ~~324-325~~ Je-Jl '62.

MANDIC, Jovo, ing. (Sarajevo)

Effect of breakdown resistance on the operation of remote relays
in a riddily earthed transmission line. Elektroprivreda 14 no.10:
532-534 0 '61.

MANDIC, Lj.

Periodicity of trachoma incidence. Acta med. iugosl. 10 no.2:
207-215 1956.

1. Dispensaire Antitrachomateux de Sabac, Yougoslavie.
(TRACHOMA, epidemiol.
periodicity in Yugosl., statist. (Fr))
(PERIODICITY, statist.
of trachoma in Yugosl. (Fr))

SIMIC, B.S.; BODICEVIC, J.; ATANACKOVIC, V.; DJIVANIVIC, B.; JEV TIC, S.;
MARINKOVIC, M.; BAKIC, V.; RASIC, M.; MANDIC, M.; Statisticka
spoluprace: TODOROVIC, P.

Effect of vitamin and trace element supplements on the health
and work productivity of workers in the steel industry. Cesk.
gastroent. vyz. 19 no.5:282-289 J1 '65.

1. Federativni ustav verejneho zdravotnictvi a Ustav hygieny
lekarske fakulty university v Belehrade.

SIMIC, Bozidar; MARKOVIC, Ruzica; SMIC, Arsenije; RAKOVIC, Vera;
MANDIC, Miliwoje.

Determination of the frequency of anemia using the hemoglobin level in rural inhabitants. Srpski arh. celok. lek. 92 no.6: 643-647 Je '64

1. Savezni zavod za zdravstvenu zastitu u Beogradu (Upravnik: dr. Herbert Kraus) ; Higijenski institut Medicinskog fakulteta Univerziteta u Beogradu (Upravnik: prof. dr. Miodir Savicevic).

MANIĆ, V.

Congenital sprained hip, p. 11. (BEOGRAD, Vol 2, No 5, 1952.)

SC: Monthly List of East European Accessions. (BEAL, 10, Vol 4, No. 6, June 1955, Incl.

MANDIC, V.

Congenital abnormality of the ulna. Acta chir. iugosl. 1 no.3:
242-256 1954.

1. Ortopedska klinika Medicinskog fakulteta u Zagrebu (predstojnik
prof. dr. F.Grospic)
(ULNA, abnorm.
aplasia, etiol. & ther.)
(ABNORMALITIES
aplasia of ulna, etiol. & ther.)

STARZYK, A: MANDIC, V.

~~Surgical treatment of recurrent shoulder dislocations.~~
Surgical treatment of recurrent shoulder dislocations. Acta chir.
iugosl. 2 no.1:40-50 1955.

1. Ortopedska klinika Medicinskog fakulteta u Zagrebu (Predstojnik
prof. dr Ferdo Grospic)
(SHOULDER, dislocation
recur., surg. (Ser))

MANDIC, V.; ALTARAS, J.

Brachialgia as the initial symptom of Pancoast syndrome.
Acta chir. iugosl. 2 no.4:326-340 1955.

1. Ortopedska klinika Medicinskog fakulteta u Zagrebu
(Predstojnik prof. dr. Ferdo Grospic) Rentgenolosko
odjeljenje Oblasne vojne bolnice u Zagrebu (Nacelnik
dr. Karlo Strohal)

(PANCOAST, SYNDROME, manifest.

brachialgia (Ser))

(HAND, dis.

pain, in Pancoast synd. (Ser))

MANDIC, Veljko, dr.

On medical rehabilitation and role of health services in complex rehabilitation programs. Mjec. vjes. 81 no.7-8:513-521 '59.

1. Iz Ortopedske klinike Medicinskog fakulteta u Zagrebu.
(REHABILITATION)

MANDIC, V.; HORCICKA, M.

Temporary prostheses in above knee amputations. Acta chir. Iugosl. 8
no.4:360-364 '61.

1. Ortopedska klinika Medicinskog fakulteta u Zagrebu (Predstojnik
prof. dr F. Grospic).

(ARTIFICIAL LIMB)

MANDIC, Veljko, dr.

Driving ability of the amputee. Liječn. vjesn. 83 no.2:165-168
'61.

1. Iz Ortopedske klinike Medicinskog fakulteta u Zagrebu.
(AMPUTEES) (AUTOMOBILES)

MANDIC, Veljko

Allergy in orthopedics. Rad. med. fak. Zagreb. 10 no.1:47-62 '62.
(ALLERGY) (ORTHOPEDICS) (ARTHRITIS)
(ANAPHYLAXIS) (TUBERCULIN REACTION) (VACCINATION)
(MUSCLE DISEASES) (EDEMA) (RHEUMATIC FEVER)
(TUBERCULOSIS CARTOARTICULAR) (SYPHILIS) (PURPURA)

MANDIC, V.

Disability evaluation -- an educational problem? Lijecn.
vjesn. 86 no.1:79-82 Ja'64

MANDIC, V.

Oscillometric examination of the blood circulation in lower extremities at working places in various postures -- with special reference to the standing position during work. Arh. hig. rada 15 no.3:269-276 '64.

Physiology of the blood circulation of lower extremities in relation to the problem of the standing position during work. Ibid.:291-309

1. Ortopedska klinika Medicinskog fakulteta Sveucilista u Zagrebu.

MANDIC, Veljko, doc. dr.

Sprains of the ankle joint. Med. glas. 19 no.2/3:58-60 F-Mr '65.

1. Ortopedska klinika Medicinskog fakulteta u Zagrebu (Predstojnik:
prof. dr. A. Starzyk).

YUGOSLAVIA

MANDIC, Veljko, Orthopedic Clinic of the Medical Faculty of the University
(Ortopedska klinika Medicinskog fakulteta) Zagreb

"Stasis Edema and Stasis Problems Due to Standing Postures at Work"

Radovi Medicinskog Fakulteta u Zagrebu, Vol 14, No. 1, 1966; pp 34-59

Abstract [English summary modified]: Detailed description of physiology and pathology of the body fluid displacements, examination of workers in 3 plants, 1 printing, 1 textile and 1 candy factory in the Zagreb area, classifying the 1479 workers examined by their principle posture at work; sitting, standing, moving or "other". The incidence of stasis disturbances in the legs, also of flat feet, was exceedingly high; remedial and preventive measures are outlined and recommended. 7 graphs, 8 tables; 16 Western and 4 Yugoslav references. Manuscript received 10 January 1966.

KUSOVAC, Dusan, dr.; MANDIC, Vladimir, dr.

Case of mole in twin pregnancy. Srpaki arh. celok. lek. 82 no.6:
815-819 June 54.

1. Ginekolosko-akusersko odeljenje Gradske bolnice u Zemunu, sef
dr. Dusan Kusovac. (Rad je urednistvo primilo 18.V.1953 god.)

(HYDATIFORM MOLE

in twin pregn., surg.)

(PREGNANCY, compl.

hydatiform mole in twin pregn., surg.)

MANDICESCU, V. ing.

Graphic methods of parceling calculation in the elaboration of
territory organization projects. Rev geodezie 6 no.3:60-67 '62.

1. Centrul de organizarea teritoriului Bucuresti.

MANDIK, Lumir; STANEK, Jiri

Selection of solvents for coating systems according to the solubility parameter. Chem prum 15 no.4:223-226 Ap '65.

1. Research Institute of Synthetic Resins and Lacquers, Brno, Czechoslovakia.

MANDII, David. (Beograd)

Modern transportation requires more, but cheap packing material.
Kem ind 9 no.10:257-258 0 '60.

MANDITA, D.

RUMANIA / Chemical Technology. Chemical Products and H-28
Their Applications. Food Industry.

Abs Jour: Ref Zhur-Khimiya, No 3, 1959, 10094.

Author : Gheorghe, V., Gheorghe, I., Mandita, D.
Inst : Not given.
Title : A Study of Hot Smoking Fish.

Orig Pub: Lucrarile Inst. cercetari aliment., 1958, 2,
197-206.

Abstract: Experiments were conducted on hot smoking of the whole fish of six species: Danube herring, horse-mackerel, ide, scad, bream, and roach. Optimum methods for smoking each species were determined. By a swift rise of the roasting temperature the general duration of smoking was decreased by 25%

MANDL, D.

Braking distances when applying rail brakes. p. 1248. *TEHNIKA*
(Savaz inženjera i tehnicara Jugoslavije) Beograd. Vol. 11, no. 8, 1956.

SOURCE: East European Accession Lists (E.E.L.),
Library of Congress, Vol. 5, no. 11, Nov. 1956

HINDL, S.

"Three days, three distances." p. 11. Pilots of the northern lights; a novel.
(Conclusion) p. 16. HUSZAKI L. P. H. L.; HUSZAKI, L. P. H. L. Vol. ,
no. 21, Dec. 1952, Budapest, Hungary.

NO: Monthly List of East European Accessions, 10, Vol. 3, No. 4, April 1954.

MIND, G.

"A few words on piloting." p. 7. *Mind* (Lond.) 71, 1962; K. A. M. A., (Lond.), no. 1000, p. 7.
Vol. 7, no. 2, Feb. 1974, Budapest, Hungary.

SI: Monthly List of East European Accessions, 13, Vol. 3, No. 4, April 1964.

MANDL, E.

"Rules for gliding on the slope."

p. 16 (Repules) No. 9, Dec. 1957
Budapest, Hungary

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958

MANDL, Erno

The FAI's Motor-Driven Stunt Flight World Championship.
Repules 13 no.10:12-13 0 '60.

1. A magyar murepulo csapat edzoje.

MANDL, Erno

Jezow. Repules 16 no.3:13 Mr '63.

MANDL, F. Prof.: KUBUCHEK, F.

present status of sympathetic surgery. Khirurgia, Sofia 10 2.6:
390-395 1957.

1. (Iz khirurgichnogo otdelenia na bolnitsa "Kaiser Franz Iosef" --
Vienna)

(SYMPATHECTOMY,
modern aspects (Rus.))

Mandi, Frantisek

Unified system of classification of parts. Podn org 18 no.4:149-
154 Ap '64.

1. Research Institute of Machine Industry Technology and Organization.

~~MANDL, Dehofel~~ [MANDL, Josef], KENEDI, Ishtvan (Budapest)

Reflex spasm of the coronary vessels in acute myocardial infarct.
Terap. arkh. 30 no.5:56-64 My '58 (MIRA 11:6)
(MYOCARDIAL INFARCT, compl.
coronary reflex spasm (Rus))
(CORONARY DISEASE, etiology and pathogenesis,
reflex spasm in myocardial infarct (Rus))

MANDL, K.

BLUMENCRON, W.; MANDL, K.

Experience with intravenous salicyl therapy. *Prakt.Arzt* 4 no.37:
292-297 15 June 50. (CIML 19:4)

1. Of the Medical Clinic of Graz University.

CZECH/34-59-7-14/22

AUTHORS: Mandl, Miroslav, Candidate of Technical Sciences, Ing.,
Kaše, Miloslav, Freiwilling, Rudolf, Ing., Dostál, Jan

TITLE: Isolation of Non-Metallic Inclusions by the Method of
Direct Chlorination and their Identification (Isolace
nekovových vměstků metodou přímé chlorace a jejich
identifikace)

PERIODICAL: Hutnické Listy, 1959, Nr 7, pp 617-620 (Czechoslovakia)

ABSTRACT: The isolation was effected by the method of direct
chlorination based on the action of purified chlorine
on steel or Fe-Si at temperatures of 450 and 800-850°C.
The identification of the non-metallic inclusions was
effected by colorimetric methods, except for the Si, for
which the determination was by gravimetric methods, and
for calcium, for which the determination was effected
chelatometrically. A description is given of the
instrument used and sketches of the apparatus are
reproduced in Figs 1 and 2. The processes of determina-

Z/034/60/000/012/009/015
E112/E535

AUTHORS: Jelínek, Miroslav, Doctor of Natural Sciences and
Mandl, Miroslav, Engineer, Candidate of Technical
Sciences

TITLE: Spectroscopic Analysis of Non-Metal Inclusions in Steel
PERIODICAL: Hutnicke listy, 1960, No.12, pp.979-982

TEXT: The composition of non-metallic inclusions in steel throws considerable light on deoxidation processes and the present paper submits a method for quantitative analyses of inclusions by means of spectrophotography.¹⁾ It is based on spectra excitation by means of sparks from rotating carbon electrodes. At first some older methods of spark analysis are discussed. Then a method of quantitative analysis is described which is based on using a solution technique and gives a very much clearer picture about the overall composition of the inclusions. It is a modification of the spark-spectrographic method previously described by Piper et al. (Radex Rundschau, 1957, p.727). An essential part of the technique

Z/034/60/000/012/009/015
E112/E535

Spectroscopic Analysis of Non-Metal Inclusions in Steel

produce a bead. This is then dissolved in dilute citric acid. The accuracy of the method is dependent upon all inclusion constituents being completely dissolved and kept in solution at least during the sparking-off period. Owing to great variations in the composition of inclusions and owing to great discrepancies in the concentration of the different elements, it is not feasible to select a standard reference sample. Therefore, the authors have adopted the technique of a synthetic standard by adding a solution of cobalt chloride to the solubilised borax bead. The lines of cobalt are in the vicinity of those of the analysed elements but they do not produce interference. Furthermore, cobalt is not present in the inclusions and its salts are soluble on extraction from the borax bead. The solution was placed in a cell from synthetic resin (contents 1 ml) and then subjected to the spark. Absorption spectra were measured by the Ultra-Rapid Photometer of Zeiss Jena and a hydrogen tube was used as standard source of light. The

Z/034/60/000/012/009/015
E112/E535

Spectroscopic Analysis of Non-Metal Inclusions in Steel

Results of spectroscopic analyses by spark were compared with results by microanalysis and showed good overall agreement. Percentage composition of inclusions are tabulated. The maximum error of the spark analysis varies from 5 to 6%. Advantages of the method are as follows:

- 1) The total analysis can be carried out after a single weighing out of the sample. No preliminary separation of single components is required.
- 2) The presence of individual elements can be established from the spectrum qualitatively prior to quantitative analysis.
- 3) Weighed-out quantities are very small, permitting several analyses from one starting material.
- 4) Greater sensitivity of method.
- 5) Considerably shortened time required for analysis.

There are 3 figures, 4 tables and 10 references: 2 Czech and 8 German.

ASSOCIATION. VÍMŮ PRAGUE

GEORGIYEV, L.; MANDL, M.; SKALA, I.

Instrument for measuring the viscosity of slags. Zav.lab. 26
no.3:358-360 '60. (MIRA 13:6)

1. Nauchno-issledovatel'skiy institut chernoy metallurgii, Praga.
(Slag) (Viscosimeter)

Z/034/61/000/005/004/010
E073/E535

18.3200

AUTHOR: Mandl, M.

TITLE: Investigation of the conditions of manufacture of
steels of maximum purity

PERIODICAL: Hutnické listy, 1961, No.5, p.362

TEXT: In the introductory part an analysis is made of the physical-chemical factors which influence deoxidation processes and an evaluation is made of applications outside Czechoslovakia of Fe-SiAl alloys with various ratios and concentrations of the main components. The experimental work proper deals with the influence of the methods of deoxidation of steel with Fe-SiAl alloys on the quantity and the composition of the non-metallic admixtures and on the mechanical properties of the steel and also with verification under plant conditions of the combined deoxidation of steel with silico-calcium and aluminium.

VB

Z/032/61/011/005/005/008
E073/E335

18.3206

AUTHOR: Mandl, M.

TITLE: Investigation of the Conditions of Manufacture of
Steel of Maximum Purity

PERIODICAL: Strojřrenství, 1961, Vol. 11, No. 5, p. 396

TEXT: An analysis is given, in the introductory part, of the physical and chemical properties influencing the process of deoxidation and the application of Fe-SiAl-type alloys with various ratios and structures of the basic components manufactured outside Czechoslovakia. The experimental work itself relates to the study of the effect of methods of deoxidation of steel by Fe-SiAl alloys on the quantity and on the constitution of nonmetallic admixtures and on the mechanical properties of the steel and to industrial trials of the

/B

KASE, Miloslav; MANDL, Miroslav, inz., kandidat technických ved

Determining the oxygen content in melt samples. Hut listy 16 no.1 56-59 Ja '61.

1. Vyzkumny ustav hutnictvi zeleza, Praha.

MYSLIVEC, Theodor; CADEK, Josef; MANDL, Miroslav; VRSEK, Jaroslav;
BRODSKY, I.; LUBOVSKY, M.

Effect of the quality of ceramic runners on the micropurity of steel used for making railway wagon tires. Part 2: Investigation on determining the origin of nonmetallic inclusions in steel by radioactive isotopes. Hut listy 16 no.2:94-102 F '61.

1. Vyzkumny ustav, Vitkovicke zelezarny Klementa Gottwalda, Ostrava (for Myslivec, Brodsky and Lubovsky). 2. Vyzkumny ustav hutnictvi zeleza, Praha (for Cadek, Mandl and Vrsek).

PELIKAN, Molos; MANDL, Miroslav; KASE, Miloslav

Determining the calcium in alloys of CaSi and CaSiAl type by direct chlorination. Hut listy 17 no.3:210-211 Mr '62.

1. Vyzkumny ustav hutnictvi zeleza, Praha.

SKALA, J., inz., C.Sc.; KASE, M.; MANDL, M., inz. C.Sc.

Thermodynamic equilibrium in the system iron-oxygen. Hut listy
17 no.12:841-846 D '62.

1. Vyzkumny ustav hutnictvi zeleza, Praha.

Z/054/63/000/001/008/012
E073/E15F

AUTHORS: Mandl, M., and Nejedlý, J.

TITLE: Investigation of the conditions for manufacturing steel of the highest purity (concluding report)

PERIODICAL: Hutnické listy, no.1, 1963, 74

TEXT: Following earlier investigations of "complex" deoxidation of steel in laboratory tests, the authors verified under full-scale conditions the correctness of the optimum chemical composition found for the complex deoxidant alloys containing Ca, Mn, Si, Al and Mg, by determining the best method of final deoxidation of the steel ČSN 15230 to ensure a high degree of purity of the steel. The results of the full scale tests were used to evolve a recommended production method for steel ČSN 15230 by the duplex process. The report also contains results of full-scale tests carried out to determine the influence of complex deoxidation with alloys of FeCaSi and FeCaMgSi on the purity of the special

L 59613-65 T/EWP(t)/EWP(b)/EWA(c) JD

ACCESSION NR: AP5020428

02/0074/64/000/008/0580/0584

AUTHOR: Jalinsk, Miroslav (Doctor of natural sciences); Mandl, Miroslav (Engineer, Candidate of sciences); Vogt, Rudolf; Kase, Miloslav

TITLE: Contribution to the separation and determination of sulfide occlusions in steel

SOURCE: Hutnicke listy, no. 8, 1964, 580-584

TOPIC TAGS: steel, sulfide, metal property, electrolysis, spectrographic analysis

ABSTRACT: The authors review and evaluate the methods of separation of sulfide occlusions from steel, and discuss their influence upon the mechanical and other properties of steel. As a result of the evaluation the authors established a new method for electrolytic separation of the sulfide occlusions, and a method for their determination by spectrography. They described their method that allows a spectrographic analysis of the content of Fe, Mn, Al, Ca, Mg, Ti, and V in an alcoholic iodine

L 59613-65

ACCESSION NR: AF5020428

solution, with an average accuracy of $\pm 6\%$. Total S content is determined by combustion. Orig. art. has: 2 figures, 2 tables. 1 formula.

ASSOCIATION: Vyzkumny ustav hutnictvi zuleza, Prague (Research Institute for Iron Metallurgy)

SUBMITTED: CO

ENCL: 00

SUB CODE: ML, DC

NR REF SOV: 001

OTHER: 008

JPRS

JELINEK, Miroslav, RNDr.; MANDL, Miroslav, inz. CSc.; VOGT, Rudolf; KASE,
Miloslav

Separation and determination of sulfide inclusions in steel. Hut
listy 19 no.8:580-584 Ag '64.

1. Research Institute of Iron Metallurgy, Prague.

MANDL, Otto

Sudden occlusion of the mesenteric vessels. Rozhl. chir. 39 no.4:
262-265 Ap '60

1. OUNZ Humberk, nemocnice Varnsdorf, chirurg. odd. prednosta MUDr.
O. Mandl.

(MESENTERIC VESSELS, dis.)

MANDL, P

"Asymptotic behavior of probabilities in a group of states of a homogeneous Markov chain. In Russian."

CASOPIS PRO PESTOVANI MATEMATIKY, Praha, Czechoslovakia, Vol. 84, no. 2,
May 1959

MANDL, Petr (Praha)

Note on the compact spaces of probability measures. Cas pro pest mat
85 no.2:133-140 My '60. (EEAI 9:10)
(Probabilities)
(Topology)
(Aggregates)

MANDL, Petr

The asymptotic behavior of probabilities within the groups
of Markov homogenous process. Cas pro pes mat 85 no.4:448-455
'60.

1. Matematicky ustav, Ceskoslovenska akademie ved, Praha 2,
Zitna 25.

MANDL, Petr, C.Sc. (Prah 2, Vysehradska 49)

Distribution of the period of time needed by the Uhlenbeck process
for a border passing. Aplikace mat 7 no.2:141-148 '62

1. Ustav teorie informace a automatisace, Ceskoslovenska
akademie ved.

MANDL, Petr (Praha 2, Vysehradská 49)

Properties of diffusion processes determined by a general marginal condition. Cas pro pes mat 87 no.1:31-51 '62.

1. Ustav teorie informace a automatisace, Ceskoslovenska akademie ved.

MANDL, Petr (Prahá)

Colloquy on the theory of probability in Brasov. Cas pro
pest mat 88 no.2:261 '63.

MANDL, Petr (Prague)

On the asymptotic repartition of the entering time. Rev
math pures 8 no. 2:273-284 '63.

L 36970-65 EWT(1)
ACCESSION NR: AP5000567

S/0052/64/009/004/0655/0669

AUTHOR: Mandl, P. (Prague)

TITLE: On Control of Nonstopped Diffusion Processes

SOURCE: Teoriya veroyatnostey i yeye primeneniya, v. 9, no. 4, 1964, 655-669

TOPIC TAGS: Diffusion process, ²¹ nonstopped diffusion process, cost problem, cost optimization

ABSTRACT: The author considers a diffusion process on a finite segment $I = [r_0, r_1]$ with generating operator

$$\mathcal{D} = a(x) \frac{d^2}{dx^2} + b(x) \frac{d}{dx}$$

where $a(x)$ and $b(x)$ are continuous functions of $x \in [r_0, r_1]$, $a(x) > 0$. Costs θ

L 36970-65

ACCESSION NR: AP5000567

ASSOCIATION: Institut teorii informatsii i avtomatizatsii Chekhoslovatskoy akademii nauk, Prague (Institute for Information Theory and Automation, Chechoslovak Academy of Sciences)

SUBMITTED: 16May64

ENC: 00

SUB CODE: MA

NO SOV REF: 005

OTHER: 002

L 57420-65 EWP(v)/EWP(k)/EWP(h)/EWP(l) Pf-4 IJP(c)
ACCESSION NR: AP5019510 CZ/0026/64/009/006/0412/0420

AUTHOR: Mandl, Petr (Candidate of sciences)

25
24
B

TITLE: Optimal control of a one-dimensional diffusion process

SOURCE: Aplikace matematiky, v. 9, no. 6, 1964, 412-420

TOPIC TAGS: optimal automatic control, applied mathematics

ABSTRACT: This article deals with homogeneous one-dimensional diffusion processes in the interval $\langle r_0, r_1 \rangle$, the coefficient of local displacement and the diffusion coefficient of which depend on the parameter y . The behavior of the process when the boundaries are reached is determined by conditions (1):

$$\begin{aligned} \beta_0 u(r_0) - \alpha_0 u(r_1) &= r_0 \int_{r_0}^{r_1} u(x) dp_0(x) + \pi_0 u'(r_0), \\ \beta_1 u(r_1) - \alpha_1 u(r_0) &= r_1 \int_{r_0}^{r_1} u(x) dp_1(x) - \pi_1 u'(r_1). \end{aligned} \tag{1}$$

L 57420-55

ACCESSION NR: AF5019310

The problem consists in selecting the value $\eta(x)$ of the parameter y as a function of the value x of the process in such a way as to maximize (3):

$$c(x; \eta) = \int_0^x \int_{t_0}^{\eta(t)} P_{\eta}(t, x; ds) c(x, \eta(s)) dt. \quad (3)$$

The maximum of (3) satisfies equation (5):

$$\frac{d^2}{dx^2} u + \max_y \left[h(x, y) a(x, y)^{-1} \frac{d}{dx} u + c(x, y) a(x, y)^{-1} \right] = 0 \quad (5)$$

with conditions (1). One of the optimum controls is set by means of (19):

$$y_-(x) = \min \{ y : \beta(x, y) u(x, \gamma_0) + \varphi(x, y) = -\Phi(x, u(x, \gamma_0)) \} \quad (19)$$

L 57420-55

ACCESSION NR: AP5019310

ASSOCIATION: Ustav teorie informace a automatizace CSAV, Prague (Institute of Information Theory and Automation, CSAV)

SUBMITTED: 30Dec63

ENCL: 00

SUB CODE: MA, IE

NR REF SOV: 000

OTHER: 004

JPRS

L 00094-66 EPF(n)-2/EWP(v)/EWP(k)/EWP(h)/EWP(l) IJP(c) WW/BC

ACCESSION NR: AP5013484

CZ/0088/65/001/001/0028/0036

38
59
B

AUTHOR: Mandl, Petr (Candidate of sciences)

TITLE: Applications of the theory of the optimal control of continuous diffusion processes

9

SOURCE: Kybernetika, v. 1, no. 1, 1965, 28-36

TOPIC TAGS: optimal control, automatic control theory, automatic control R and D, random process

14

ABSTRACT: This paper presents specific examples of the application of the theory of the optimal control of continuous diffusion processes previously developed by the author. One-dimensional continuous homogeneous diffusion processes are considered as a random process $X(t)$, within a finite interval $I = \langle 0, r \rangle$ defined by the solution to the following differential equation:

$$dX(t) = \dots$$

L 00C94-66

ACCESSION NR: AP5013484

terminate or be resumed from a suitable point within the interval given by its probability density. The control of a process is based on selecting suitable coefficients a and b as a function of I . The control of fluid flow through a reservoir by pumping, and the control of the addition of a nutrient to a culture of microorganisms are considered. In both cases the costs associated with the quantity $X(t)$, which depend partly on the course of $X(t)$ within I and partly on the resumption of the process $X(t)$ after reaching one of the interval limits, are considered. The object of control is to minimize the average cost per unit time. For comparison a case is also discussed where the process $X(t)$ ceases after reaching one of the limits. Orig. art. has: 1 figure and 51 formulas.

ASSOCIATION: Ustav teorie informace a automatizace CSAV (Institute of Information Theory and Automation CSAV)

SUBMITTED: 26May64

ENCL: 00

SUB CODE: IE

NO. OF PAGES: 000

MANDL, Petr

(Prague)

Diffusion processes with a weakly absorbing boundary. Teor.
veroiat. i ee prim. 9 no.2:283-292 '64 (MIRA 17:7)

MANDL', S.F.

Liver function in thyrotoxicosis. Probl. endok. i gorm. 2 no.1:
37-41 Ja-F '56. (MLRA 9:10)

1. Iz fakul'tetskoy terapevticheskoy kliniki (zav. kafedroy - prof.
T.S.Istamanova) I Leningradskogo meditsinskogo instituta imeni akad.
I.P.Pavlova.

(LIVER FUNCTION TESTS, in various diseases,
hyperthyroidism (Rus))
(HYPERTHYROIDISM, physiology,
liver funct. tests (Rus))

MANDL', S.F. (Varshava)

Effects of 6-methylthiouracil on liver function in Basedow's disease.
Probl. endok. i gorm. 2 no.3:54-61 My-Je '56. (MLRA 9:10)

1. Iz fakul'tetskoy terapevticheskoy kliniki I Leningradskogo meditsin-
skogo instituta imeni I.P.Pavlova (zav. kafedroy - prof. T.S.Istamano-
va)

- (HYPERTHYROIDISM, ther.
methylthiouracil, eff. on liver funct.)
- (THIOURACIL, deriv.
methylthiouracil, ther. of hyperthyroidism, eff. on liver
funct.)
- (LIVER, eff. of drugs on
methylthiouracil in ther. of hyperthyroidism)

MANDLIK, Bohuslav; DOCEKAL, Frantisek

Weighing machines exhibited at the Second International Fair in Brno.
Nova technika no.11:512-515 N '60.

1. Transporta n.p. Chrudim.

REJHOLEC, V.; VANCURA, A.; WAGNER, V.; MANDLIKOVA, Z.

Immunotoxicity of kidneys; organic antigens in glomerulonephritis.
Sborn. lek. 54 no.9-10:195-216 1952. (CLML 23:4)

1. Of the Second Internal Clinic (Head--Prof. A. Vancura, M.D.) and of
the Institute of Microbiology (Head--Prof. F. Patocka, M.D.), Charles
University, Prague.

REJHOLEC, V.;WAGNER, V.;MANDLIKOVA, Z.

Organic myocardial antigens. Sborn. lek. 54 no.9-10:217-224 1952.
(GLML 23:4)

1. Of the Second Internal Clinic (Head--Prof. A. Vancura, M.D.) and
of the Institute of Microbiology (Head--Prof. F. Patocka, M.D.),
Charles University, Prague.

Production Planning and Quality Control in Foundries.
A. Mandoki. (Ontds, 1960, vol. 1, May, pp. 97-108;
Bányászati és Kohászati Lapok, 1960, vol. 6, May). (In
Hungarian). The problems of production planning and
quality control in Hungarian foundries are reviewed. In the
discussion J. Duda mentioned that about 60% of casting
rejects are due to minor types of negligence which are difficult
to deal with because the available experts are fully occupied
with eliminating production bottlenecks. These rejects
could be eliminated by establishing independent and satis-
factory quality control and by stopping skilled foundrymen
doing unskilled work.--a. e.

Handwritten: 17-17 *Handwritten:* gyl

A 54-544 METALLURGICAL LITERATURE CLASSIFICATION		E-2	
AUTHOR INDEX		1ST AND 2ND LETTERS	
MATERIAL INDEX		MATERIAL INDEX	