

SEMENOV, Leontiy Grigor'yevich; DAN'YE, V.N., nauchn. red.; SOLOKINA,
M.I., red.

[Manual for storage battery electricians] Elektromonter-
akkumuliatorshchik. Moskva, Vysshaya shkola, 1964. 231 p.
(NIRA 17:6)

"Information of the above circulation is not to be
disclosed." This information is to be kept in the
SAC's office, Central Intelligence Agency, Washington, D.C.
or elsewhere.

With reference to the above, the following information
is to be kept in the SAC's office, Central Intelligence
Agency, Washington, D.C. or elsewhere.

DAM'YE, Z. A.

DAM'YE Z. A. Circulatory disturbances in cerebral trauma Terap. Arkh. 1951, 3 (39)

As a general rule the blood pressure decreases slowly after a cerebral trauma, but the mean pressure generally remains high. In most cases of hemiplegia the arterial pressure is higher on the side of the lesion than on the normal side. This may be due to the fact that the motor area also contains the cerebral vasomotor centres. The venous pressure is generally increased. Capillaroscopy shows an atonic picture shortly after the haemorrhage, especially on the paralysed side. Of 51 patients examined (including 17 who came to autopsy), the majority showed hypertension. The ECG disturbances were insignificant. Bradycardia was present during the first few days, followed by tachycardia and in a few cases atrial fibrillation or (rarely) extra systoles. In one case of cerebral tumour the atrial fibrillation disappeared after lumbar puncture. The commonest ECG disturbances were in the T waves, which were variable in size, especially in the first few days after the haemorrhage. There were 22 patients with essential and 14 with arteriosclerotic hypertension. After the stroke the pressure dropped initially. Asymmetric pressure values may also be found in normal subjects. In 34 of the hemiplegia patients the blood pressure was higher on the paralysed side and in 12 on the normal side. It is stated that the pressure is often higher on the right in normal persons. Many of the patients with asymmetry had lesions of the internal capsule and optic thalamus. The differences amounted to 50 mm. Hg in some cases. This asymmetry can only be due to cerebral, not to cardiac causes. The venous pressure was raised shortly after the stroke; it is believed that this also has a central regulation.

Van der Velen - Terwolde

So: Excerpta Medica, Section VIII Vol. 5, No. 8

Of the Therapeutic and Nervous Division of the Univ. Center of Lenin Hosp. Dr. Botkin.
(Scientific Supervisor Hon. worker in Sci. Prof. N. N. Vavsi, Active Mem. Acad. Med. Sci., USSR)

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Abstract: No abstract.

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VOICULESCU, M., Prof.; BRUCKNER, Silvia, Assist. Prof.; DAN, B.; LEONESCUS, M.;
RADULESCU, A.; PREDESCU, I.

Clinical pattern and prognosis of poliomyelitis associated with
respiratory disorders in infants. *Rumanian M. Rev.* 4 no.1:55-57
Ja-Mr '60.

1. I.M.F. Clinic for Communicable Diseases of the Colentina
Hospital, Bucharest.

(POLIOMYELITIS compl.)

(RESPIRATORY SYSTEM pathol.)

1962. 14, Silvia, conf.; DAN, E. Dr.; MARGARIT, Z., Dr.; T. CIOBANU, Dr.;
Dr.; LAZAR, Ecaterina, Dr.; DIACONU, S., Dr.

Current clinical and epidemiological aspects of HIV infection.
Med. Intern. 14 no.6:711-714 Je '62.

Dr. Leonida Petrescu, in Clinica I de boli venereale (Dr. Petrescu
prof. Dr. Volculescu).

(DIPET 14) (HID: 1010 Y)

DAN, E., ing.

Introduction to hydraulic calculus methods of the locks.
Hidrotehnica 7 no.7:213-218 J1 '62.

DAN, E., ing.

Determination of the main elements of the alimentation schema to lock chambers with concentrated filling under the door gates, by means of the condition of ship stationing in the lock chambers. (I). Hidrotehnica 7 no.10:339-345 0 '62.

DAN, E., ing.

Determination of the main elements of the supply system of locks with concentrated filling under the gates, by means of the condition of ship stationing in the lock chamber. Pt.2. Hidrotehnica 7 no.11: 387-393 N '62.

DAN, E., ing.; BILA, M., ing.; SAVA, I., ing.; WEHRY, A., ing.

Irrigation canal tight lining with earth concrete. Hidrotehnica 8
no.1:20-28 Ja '63.

DAN, Eugen, 1921-

Pneumatic measuring of water level in the sea. Patent 2,332,845, 1945.

RADU, Vasile Gh.; ROGOJANU, Victor; GRECEA, Alexandrina; DAN, Florica

Dynamics of the Collembola fauna of a few kinds of soil and cultures
in the vicinity of Cluj. Studii biol Cluj 11 no.2:277-301 '60.
(EEAI 10:9)

1. Academia R.P.R.-Filiala Cluj, Centrul de cercetari biologice,
Sectia de zoologie sistematica si ecologica. 2.Membru corespondent
al Academiei R.P.R. (for Radu).

(Rumania--Collembola)

TOMESCU, V.; PASCU, L.; SURDAN, C.; POPA, M.; DOHOTARU, V.; ELEFTERESCU, A.;
GHEORGHIU, I.; EUSTAFIEVICI, O.; MOLDOVAN, Gh.; CONSTANTINESCU, Cr.;
DAN, F.; IFTIMOVICI, R.; ANASTASIU, I., asistent tehnic; FLOREA, A.,
asistent tehnic

On the ~~immunity~~ following the antiaphthous vaccination. Studii cerc
inframicrobiol Special issue-supplement to 12:385-397 '61.

1. Institutul de inframicrobiologie al Academiei R.P.R., Laboratorul
de viroze animale si Institutul de seruri si vaccinuri Pasteur,
Bucuresti. 2. Membru al Comitetului de redactie, "Studii si cercetari
de inframicrobiologie" (for Tomescu).

(FOOT-AND-MOUTH DISEASE) (IMMUNITY)

TOMESCU, V.; PASCU, L.; SURDAN, C.; POPA, M.; DOHOTARU, V.; ELEFTERESCU, A.;
GHEORGHIU, I.; EUSTAFIEVICI, O.; MOLDOVAN, Gh.; CONSTANTINESCU, Cr.;
DAN, F.; IFTIMOVICI, R.

Study of immunity after vaccination against foot-and-mouth disease.
Stud. cercet. inframicrobiol. 12:385-387 Supplement '61.
(FOOT-AND-MOUTH DISEASE immunology)
(CATTLE diseases

RADU, Vasile Gh.; ROGOJANU, Victor; GRECEA, Alexandrina; DAN, Florica
SIMIONESCU, Ion.

Action of ecologic elements on soil fauna dynamics. Studii
biol Cluj 13 no.2:231-258 :62.

1. Membru corespondent al Academiei R.P.R. (for Radu).
2. Academia R.P.R.-Filiala Cluj, Centrul de cercetari biolo-
gice.

RADU, Vasile Gh.; DAN, Florica

Contributions to the study of Diptera larvae in the soil.
Pt. 1. Studii biol Cluj 14 no.1:89-98 '63.

1. Center of Biological Research, Romanian Academy, Cluj
Branch. 2. Corresponding Member of the Romanian Academy
(For Radu).

DAN G.

1. Factors determining grain size of magnesium alloys; obtaining a fine grain. G. Dan and A. Protopopescu (Studii Cerc. Metal., Bucharest, 1958, 1, 21-36). Tests were made of an alloy of composition Mg-10% Al-1.5% Zn-0.8% Mn to determine the influence of chemical composition, melting rate, and introduction of substances which release C, on grain size. Zn and Mn had little influence on grain size but Al had a marked effect in reducing it. Overheating the melt, between the limits 730-1050°, produced a grain which became finer as the temp. increased; longer periods of heating at different temp. partially offset the effect of the higher temp. The optimum condition for producing fine grain (~0.1 mm. diameter) corresponded to an overheating of the melt at 950° during 10 to 15 min. By "inoculating" the melt with methane or butane, however, similar results were obtained at lower temp. (750-800°). (11 references.) (From French summary.)

J. S. C.

MT

DAN, G.

Preparation of porous bronze for bearings. G. Dan, O. Stefan and
A. Prodanescu (Sinhic Cerc. Metal., Bucharest, 1956, 1, 325-337). —
The prep. of porous Fe for bearings to be impregnated with oil, and
the properties of this product, are described. J.S.C.

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LAU, ...

Aspects of powder metallurgy in the research institutes of the Soviet Union.
... ..

STUDII SI CONCRETARI DE METALURGIE. Bucharest, Romania. Vol. 1, no. 1, 1959.

Monthly List of East European Accessions.
Uncl. Sept. 1959

DAN, C. : IACOMI, ESCU.

The use of electric resistivity as a measure for the degree of sintering.
p. 353.

Academia Republicii Populare Romine. Centrul de Cercetari Metalurgice.
STUDIUL SI OFICIALUL DE METALURGIE. Bucuresti, Romania. Vol. 4, no. 3, 1959.

Monthly List of East European Accessions (1971-1972), Vol. 4, no. 2, January 1960.

Uncl.

DAN, & FORBETA

Distr: 4E2b(v)/4E2c(a)

4
MJDW(JD)
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48 The use of electrical resistivity for measuring the degree of sintering. *Chengtao Lin and Aurelio Protopopescu. J. Res. Natl. Bur. Stand. Sect. A, 75, 107-117 (1970).*—Sintered samples of electrolytic Fe powder (<30 μ) were prepd. at a sp. pressure of 4 tons/sq. cm. The changes in the material taking place during sintering were detd. by measuring the elec. resistivity. A substantial resistivity decrease was noticed at temps. up to 500°, probably due to acid fibers. Slight changes in elec. resistivity were noticed between 500 and 1000°, presumably detd. by the d. increase. Typical resistivity values (in μ ohm-cm.) are: at 20°, 26,000; at 100°, 18,000; at 200°, 700; at 300°, 160; at 400°, 38; at 500°, 20; at 600°, 20; at 700°, 19; at 800°, 19; at 900°, 19; and at 1000°, 18.
K. E. Muller

DAN, GEORGETA

Distr: 4E2c(m)

4
Obtaining an iron powder for magnetic applications by electrolysis on a mercury cathode. *Georgeta Dan and Olguța Ivanciuc. Acad. rep. populare Române. Studii cercetări mat. 3, 111-90(1960).*—In order to obtain iron powder for magnetic applications (99.9% min. purity of the Fe, in a state of colloidal dispersion, the median dimension being 0.1 μ and the smallest 0.01 μ), 2 electrolytic processes were studied in parallel. (1) By employing steel electrodes (well cleaned in HCl soln. 1:10) and an electrolyte of FeCl₂ 25, NH₄Cl 100, and citric acid 10 g./l. at 20°, a c.d. of 15 amp./sq. dm. at 6 v., at pH 6.5, for 4 hrs., a Fe deposit has been obtained on the cathode. The microstructure of the deposit is crystals oriented perpendicularly to the surface of deposition, which are well sepd. by distinct lines, probably owing to very thin hydroxide layers formed at the reduced acidity of the soln. The deposit was ground and sifted, and the fraction below 0.06 mm. was reduced in H₂ (dried and purified) at 780°. Spectrographic analysis revealed only the lines of Fe. (2) By employing a liquid Hg cathode of 1 sq. dm. surface and stainless steel anodes (in the presence of Na(Hg) amalgams, and the irregular rates of renewal of fresh Hg surfaces. 21 references. A. Aladjem

3
1-MJC(FD)

DAN, Georgeta

"Bases of powder metallurgy" by I.M.Fedorcenko [Fedorchenko, I.M.]
and A.A. Andrievskii [Andriyevskiy, A.A.]. Reviewed by Georgeta Dan.
Studii cerc metalurgie 7 no.4:481-482 '62.

DAN, G.

"Annotated metallographic specimens" by A.R. Bayley, D.Lloyd Thomas.
Reviewed by G. Dan. ~~Studia~~ ~~cent~~-metalurgie 8 no.1:97-99 '63.

FINTESCU, Dan, ing. (Bucuresti); DAN, Ior, ing. (Bucuresti); ZARONI, Romulus, ing. (Bucuresti); LAPEDATU, Elena, ing. (Bucuresti)

Automation drive with direct current motors for drilling equipment. Electrotehnica 11 n. 8:244-309 Ag '63.

1. Sef de laborator la Institutul de Cercetari Electrotehnice (for Fintescu). 2. Cercetator principal la Institutul de Cercetari Electrotehnice (for Dan, Zaroni, Lapedatu).

PARPALA, Ana; ANDREI, Dumitru; CHIOVEANU, Misu, DAN, Ion, STOICA, Cornel,
ing.; ROMAN, Stere

Contribution of 76 innovations. Constr Buc 16 no.761:3 3 Ag
'64.

1. Secretary of the Trade-Union Committee Enterprise of Assembly
Constructions No.2 (for Parpala).
2. Chairman of the Trade-Union
Committee, Enterprise of Assembly Constructions No.1 (for Andrei).
3. Chief Engineer of the Enterprise of Assembly Constructions
No.4 (Chioveanu).
4. Chairman of the Trade-Union Committee,
Enterprise of Assembly Constructions No.5 (for Dan).
5. Head of the Construction Site, Enterprise of Assembly
Constructions No.3 (for Stoica).

711, 1 R
RUMANIA/Human and Animal Physiology. Metabolism.

V

Abs Jour: Ref Zhur-Biol., No 6, 1958, 26734.

Author : G. Nichita, I.R. Dan and M. Popescu-Baran.

Inst :

Title : The Preparation and Utilization of Nutritive Yeast.

Orig Pub: Bul. stiint. Acad. RPR. Sec. biol. si stiinte
agric., 1956, 8, No 3, 685-696.

Abstract: Technical improvements are described for the process
of growing the nutritive yeast *Torula utilis* on
hydrolysate of wheat chaff. It was established on
group of young pigs that the proteins of nutritive
yeast (imported) produce a greater effect on growth
and fattening of the animals than do the proteins of
cereals and agricultural waste, as well as proteins
of animal derivation. When 5 grams of nutritive

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DAN, J.

"Innovations of Workers in Sanitation in the Mirror of Complaints." p. 4.
"Innovations in Surgery." p. 6 (Ujitok Lapja. Vol. 6, no. 7, Apr. 1954, Budapest.)

Vol. 3, no. 6

SO: Monthly List of East European Accessions./Library of Congress, June 1954, Uncl.

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Department of Defense, and the

of the State Department, and the
Department of Defense, and the

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The local situation in regard to the water and the water is as follows:

1.0.2. The water is in a very poor condition, and the water is very dirty.

1.0.3. The water is in a very poor condition, and the water is very dirty.

NAV, J.

Section 10, Innovation Decree; problems of new inventions. p. 8.
(Utitok Lapja, Vol. 9, no. 1, Mar. 1951. Budapest, Hungary)

SO: Monthly List of East European Acquisitions (EAL) L, Vol. 1, no. 9, Sect. 1951. Incl.

DAN, Jeno, dr.

Questions relating to service investments. (To be contd.) Ujit lap 13
no.1:8 Ja '61.

(Hungary—Industrial management)

DAN, Jeno, dr.

Questions in connection with service innovations.(Conclusion).
Ujit lap 13 no.2:9 Ja '61.

(Hungary—Patents) (Hungary—Industrial management)

DAN, Jeno, dr.

The Geneva session of the Consulting Committee of the Paris Union
for the Protection of Industrial Property. Ujit lap 13 no.12:30
Je '61.

(Industrial laws and legislation)

DAN, Jeno, dr.

Evaluation and remuneration of quality improving innovations.
Ujit lap 14 no.4:8 F '62.

1. Országos Találmanyi Hivatal foeladoja.

DAN, Jeno, dr.

The question relating to the sphere of activity. Ujit lap
14 no.7:10-11 10 Ap '62.

DAN, Jeno, dr.

A visit to the Swiss Patent Office. (Continuation, Ujit lap
14 no.19:4 of cover 10 0 '62.

DAN, Jeno, dr.

Let us create the organized movement of collective farms. Ujit
lap 14 no.21:12-13 10 N '62.

DAN, Jeno, dr.

On the Berlin conference of the patent offices of the socialist countries.
Ujit lap 12 no.2:10-11 25 Ja '60.

DAN, Jeno

Do the valid decrees hinder the realization of innovations? Ujit
lap 12 no.22:7 25 N '60.

1. Orszagos Talalmanyi Hivatal foeladoja.

DAN, Jeno, dr.

How does the Innovation Commission of the Industrial Division
of the 13th District Committee of the Hungarian Socialist
Workers Party work? Ujit lap 15 no.7:3 10 Ap '63.

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DAN, Jenö, dr.

How did the Patent Laws work in
1963? Ujtt lap 16 no.1: 4-5 10 Ja '64

DAN, Jeno, dr.

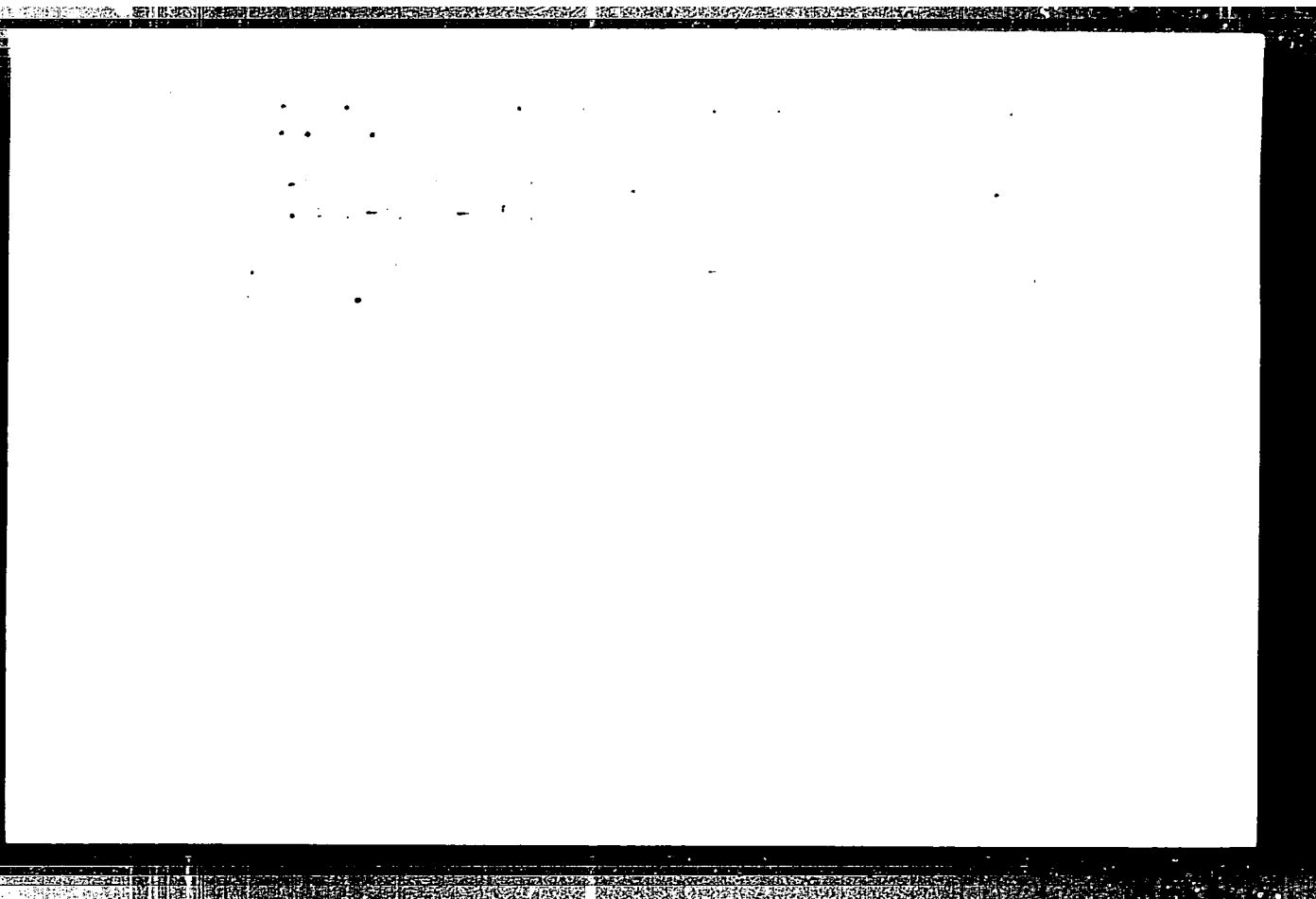
Role of the trademark in the socialist production of the
production. " it lap 16 no. 5:1 19 Mr '64.

DAN, Jeno, dr.

What is the sphere of activity of the Hungarian Society
of Industrial Rights? *Műsz. élet* 19 no.2:4 16 Ja'64.

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STAN, M.; FIRU, P.; SAHLEANU, V.; DAN, O.

Non-inflammatory parotid hypertrophy with growth disorders. Stud.
cercet. endocr. 13 no.1:111-118 '62.

(PAROTID GLAND diseases)
(HYPERTROPHY AND HYPERPLASIA case reports)
(HYPOGONADISM case reports)
(INFANTILISM case reports)

NASZ, Istvan (Budapest, IX. Hogyes E.u.7/9, Hungary.);
LENGYEL, Anna (Budapest, IX. Hogyes E.u.7/9, Hungary.);
DAN, Pal (Budapest, IX.Hogyes E.U.7/9, Hungary.)

Adaptation of continuous cultures of human amniotic and
Detroit-6 cells to heterologous sera. Acta biol Hung 12
no.2:141-146 '61.

1. Institute of Microbiology, Medical University,
(Head: Z.Alfoldy) Budapest.

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NASZ, I.; LENGYEL, Anna; DAN, P.; KULCSAR, Gizella

Informative studies on the hemagglutination spectra of adenoviruses.
Acta microb. 9 no.1:69-76 '62.

1. Institute of Microbiology, University Medical School, Budapest
(Director: Z. Alföldy).
(HEMAGGLUTINATION) (ADENOVIRUS)

NASZ, I.; KULCSAR, Gizella; DAN, P.

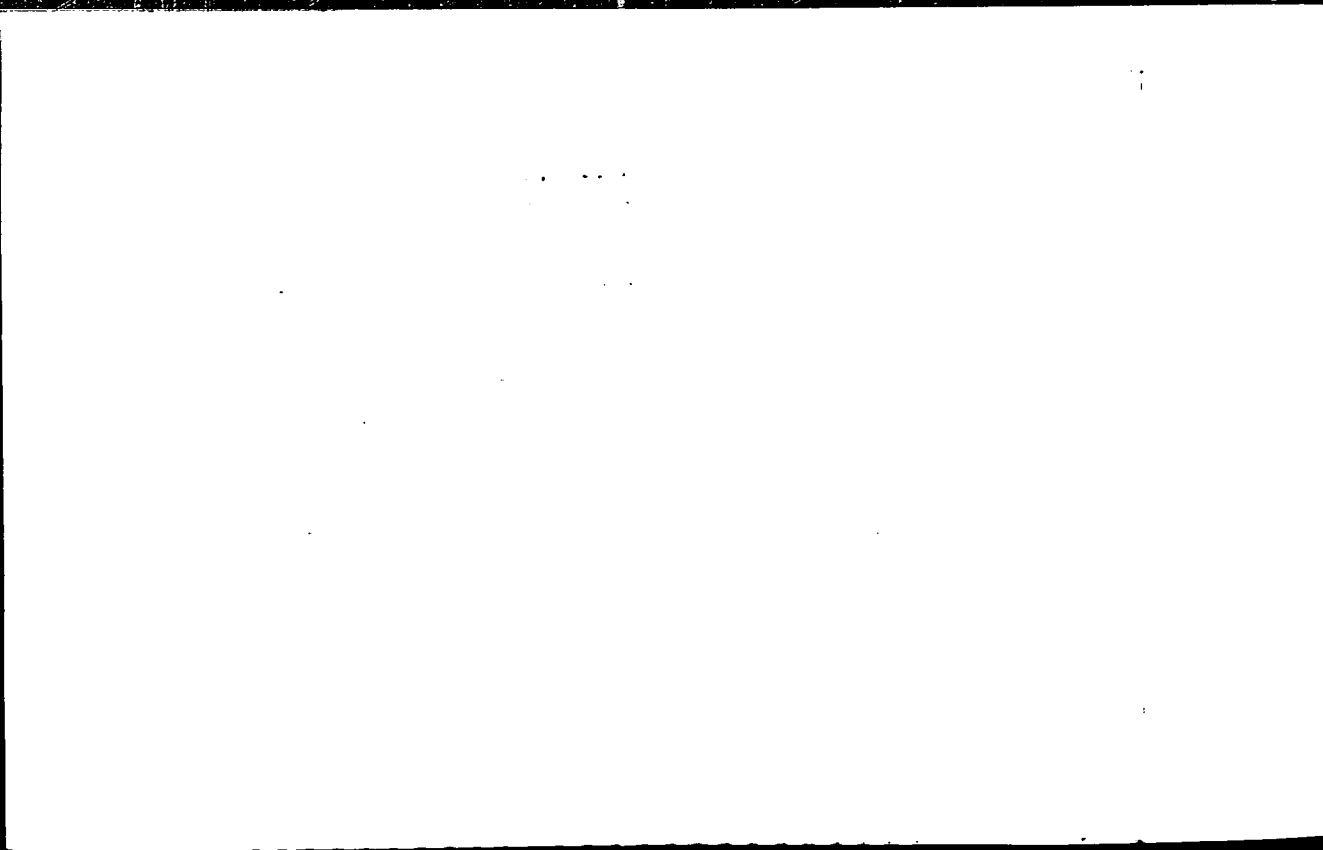
Susceptibility to adenoviruses of primary human amnion cell cultures as influenced by their age. Acta biol. 13 no.3:247-252 '62.

1. Institute of Microbiology, Medical University, Budapest (Head: Z. Alföldy).

(ADENOVIRUS) (AMNION) (TISSUE CULTURE) (AGING)

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NASZ, Istvan; LENGYEL, Anna; DAN, Pal; KULCSAR, Gizella

Investigations relating to the hemagglutination properties
of adenoviruses. Biol orv kozl MTA 13 no.1-2:191-200 '62.

1. Budapesti Orvostudományi Egyetem Mikrobiológiai Intézete.

NASZ, Istvan; KULCSAR, Gizella; DAN, Pal

The age of primary human amnion tissue cultures and their
susceptibility to adenoviruses. Biol orv kozl MTA 13 no.4:
365-370 '62.

1. Budapesti Orvostudományi Egyetem Mikrobiológiai Intézete.

HUNGARY

NASZ, Istvan, KUDOSAR, Gizella, JAN, Pal, LERNYEL, Anna, CHABA, Ida; Institute of Microbiology (director: ALFOLDY, L.), University Medical School [original language version not given], Budapest.

"Studies on the Etiology of Epidemic Keratoconjunctivitis Observed in Budapest During the Winter of 1961-1962."

Budapest. Acta Microbiologica Academiae Scientiarum Hungaricae, Vol X, No 1, 1963, pages 35-40.

Abstract: [English article, authors' English summary modified] Attempts were made to reveal the etiological factor of the epidemic disease by isolation of the pathogen, hemagglutination inhibition, complement-fixation and neutralization tests. Nine strains were isolated on HeLa or Detroit-6 cell-cultures. Seven strains were identified as type 8, two as type 6 adenovirus. Paired sera were available from 32 of the 58 patients tested. A rise in the complement-fixing and neutralizing antibody titres to adenovirus type 8 was seen in 30 patients; the rise was at least four-fold in half of the paired sera. Convalescent titres ranged from 1:4 to 1:32. An increased hemagglutination inhibition titre was observed in 30 cases, this was four-fold or greater in 24 cases. Convalescent titres ranged from 1:8 to 1:1024. The serum pair of one of the patients with adenovirus type 6 also contained complement-fixation inhibiting antibodies to adenovirus type 8. It was then observed that the epidemic was caused by adenovirus type 8. The hemagglutination-inhibition test is recommended for the laboratory diagnosis of epidemic keratoconjunctivitis. 12 Hungarian, 13 Western references.

HUNGARY

LENGYEL, A., DAN, P., NASZ, I., KULCSAR, G., CSERBA, I.: Medical University of Budapest, Microbiological Institute (Budapesti Orvostudományi Egyetem Mikrobiológiai Intézet).

"Investigation of Factors Influencing the Hemagglutination Characteristics of Adenoviruses."

Budapest, Kiserletes Orvostudomány, Vol XV, No 3, June 1963, pp 319-325.

Abstract: [Authors' Hungarian summary] The influence of temperature and pH on the rat erythrocyte agglutination by type 9 adenovirus was examined. Of five temperatures tested (+4°C, R.T., 37°C air, 37°C and 40°C bath), 4°C and room temperature were optimal. The results were confirmed by experiments with types 10 and 13 of the virus. The effect of pH on the hemagglutination was tested at pH 6, 7, 7.5, 8, 8.5, 9 and 10. The optimum was found to be pH 9, 8.5 giving results close to the optimum. The sensitivity of the erythrocyte suspension to hemagglutinin was not impaired by standing, it even increased slightly between pH 7-9. If equal amounts of the virus are used, the hemagglutination-inhibiting reaction was not influenced by pH. 5 Hungarian, 7 Western references.

NASZ, I.; KULCSAR, G.; ~~DAM~~, P.; LENGYEL, A.; CSERBA, I.

Pathological study of keratoconjunctivitis epidemica in Budapest in the winter of 1962. Orv. hetil. 104 no.10:442-445 10 Mr. '63.

1. Budapesti Orvostudományi Egyetem, Mikrobiológiai Intézet.
(KERATONCONJUNCTIVITIS) (ADENOVIRUS INFECTIONS)
(HEMAGGLUTINATION INHIBITION TESTS) (EPIDEMIOLOGY)

LENGYEL, Anna; DAN, P.; NASZ, I.; KULCSAR, Gisella; CSERBA, Ida

Influence of temperature and pH on the haemagglutinating activity and haemagglutination-inhibition test of adenoviruses. Acta microbiol. Hung. 10 no.3:253-259 '63.

1. Institute of Microbiology (Director: Z. Alföldy), University Medical School, Budapest.

NASZ, I.; LEITYEL, Anna; DAN, P.; KULCSAR, Gisella

Heterotypic haemagglutination inhibition in the adenovirus group. Acta microbiol. acad. sci. Hung. 10 no.4:379-385 '63-'64

1. Institute of Microbiology (Director: Z. Alföldy), University Medical School, Budapest.

GECK, Peter,; IMRE, Gyorgy, dr.; KORCHMAROS, Imre, dr.; NASZ, Istvan, dr.;
DAN, Pal, dr.

On specific antigenic properties of inclusion bodies in
epidemic keratoconjunctivitis; (examinations by the immuno-
fluorescent technics). Orv. hetil. 105 no.10:439-441; 10 Mr '64.

1. Honved Kózségszolgálati és Járványügyi Állomás; Budapesti
Orvostudományi Egyetem, II. Szemklinika és Mikrobiológiai
Intézet.

*

GECK, P.; DAN, I.; NASZ, I.

Examination of the cytopathic effect of adenoviruses by immunofluorescence. Acta microbiol. Acad. Sci. Hung. 11 no.1:19-22 '64.

1. Hungarian Army Medical Corps and Institute of Microbiology
Director: Z. Alföldy University Medical School, Budapest.

HUNGARY

LENGYEL, Anna, DAN, Pal, CSERBA, Ida, NASZ, Istvan, Dr of med. sci.; Medical University of Budapest, Institute of Microbiology (Budapesti Orvostudományi Egyetem, Mikrobiológiai Intézet).

"The Heterotypic Hemagglutination Inhibition Reaction Among Adenovirus Types 8, 9 and 10."

Budapest, A Magyar Tudományos Akadémia V. Orvos. Tudományok Osztályának Közleményei, Vol XVI, No 2-3, 1965, pages 213-218.

Abstract: [Authors' Hungarian summary] Rabbits and guinea pigs were immunized with types 8, 9 and 10 adenovirus. By carrying out HA tests with the plasma of the animals, the quantitative relationships of the heterologous HA reaction among the three types were studied: the most pronounced cross correlation existed between types 8 and 9, followed by that between 9 and 10 and the least pronounced correlation was between 8 and 10. The presence of heterotypic antibodies could be demonstrated in rabbits as long as 6 months after immunization and their level was varied in proportion with that of homologous antibodies. The heterotypic antibodies of immunized pregnant animals reached their offspring both through the diaplacental and colostral routes and could be demonstrated in them for 40-60 days after birth. 6 Eastern European, 10 Western references. [Manuscript received 12 Jan 65.]
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- 38 -

DAN, S.; ANTAL, L.; SZEGEDI, Gy.; GUORFFY, A.

Studies on adaptive enzyme synthesis. Acta med. acad. sci.
Hung. 14 no.4:295-309 '63.

1. First Department of Medicine (director: prof. B. Forret)
and Second Department of Medicine (director: prof. Gy. Petranyi),
University Medical School, Debrecen.

118

CA

The determination of phosphatase and esterase in serum
Sándor Dán (Dickmann) and István Vajta (Univ. Debrecen, Hung.) *Kisérlet Orvostudomány* 1, 118-21 (1949).

A) For the detn. of phosphatase measure into 4 test tubes 2 ml. of an alk. buffer (dissolve in 1 l. water Na_2CO_3 anhyd. 0.40, NaHCO_3 3.30 g.) or of an acid buffer (mix 1 ml. 0.1 N AcOH with 7 ml. 0.1 N NaOAc), 2 ml. of substrate (2.18 g. di Na phenylphosphate in 1 l. H_2O), put in 37° water bath for 3 min., add 0.2 ml. serum to 2 tubes, stopper all 4 tubes, keep them in the water bath for 15 min., cool for 1 min. in tap water, add 1.8 ml. 20% CCl_3COOH to the tubes with serum, add to the other 2 tubes 0.2 ml. serum and 1.8 ml. 20% CCl_3COOH , shake, and filter. In the meantime measure 2 ml. 5% H_2SO_4 into 4 Hagedorn-Jensen tubes, add 3 ml. of the filtrate of the above test tubes, 2 ml. 0.01 N KMnO_4 , let stand for 8-10 min., add 1 ml. freshly prepd. 5% KI soln., and titrate with 0.05 N $\text{Na}_2\text{S}_2\text{O}_3$. The difference between titration results of both pairs of tubes should be multiplied by 11 to obtain the Kung-Armstrong value for 0.1 ml. serum. B) For the detn. of esterase measure into 4 test tubes 5 ml. of buffer (prep. by mixing 100 ml. of a soln. contg. in 1 l. doubly distd. water 5.35 g. $\text{NaH}_2\text{PO}_4 \cdot 12 \text{H}_2\text{O}$ and 70 g. $\text{NaH}_2\text{PO}_4 \cdot \text{H}_2\text{O}$), with 0.2 ml. of 2% phenylacetate in MeOH , add to 2 tubes 0.3 ml. diid. serum (add 3.9 ml. distd. water to 0.1 ml. serum), keep in a 37° water bath for 1 hr., add 2 ml. 20% CCl_3COOH to the tubes contg. serum, cool the serum-free tubes and add 0.3 ml. serum and 2 ml. CCl_3COOH to them, keep in water bath for 10 min., let stand at room temp., filter, treat 3 ml. of filtrate as under A), and titrate similarly. The difference in titration values should be multiplied by 33.5 to obtain esterase activity according to Gömöri. István Fényi.

11B

CA

Iodometric determination of urea in urine. Shewchuk Dan (Duckman) and Magda Braun. Oversee Hctilap 90 2x1 4 (1949). -- Three cc. 10% CCl_3COOH is added to 3 cc. urine, shaken, filtered, and then dild. 100 times. Now 1 cc. of the dild. urine is added to each of 4 dry centrifuge tubes. 0.1 cc. glacial AcOH is added to tubes 1-2, 0.3 cc. naphthylol dissolved in glacial AcOH to tubes 3-4, let stand for 30 min. shaken, and centrifuged. Now 4 flagelown-jensen tubes are cooled in ice water, 2.5 cc. dild. water and 5.0 cc. 1.0 N NaOH added to each tube, and 0.85 cc. of the above centrifugate added. After 1.2 min. 2.5 cc. 10% CaCl_2 and 4.0 cc. 0.01 N Ca hypobromite are introduced. After 5 min. 2.0 cc. 16% KI (freshly prepd.) and 5.0 cc. 10% HCl are added, and the sol. is titrated with 0.005 N $\text{Na}_2\text{S}_2\text{O}_3$ with 1% starch in a concd. soln. of NaCl as indicator. The difference of titration of tubes 1-2 against tubes 3-4 multiplied by 50.7 gives % of urea in 0.5 cc. hundred-fold dild. urine. István Fényi

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DAN, Sandor

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MD

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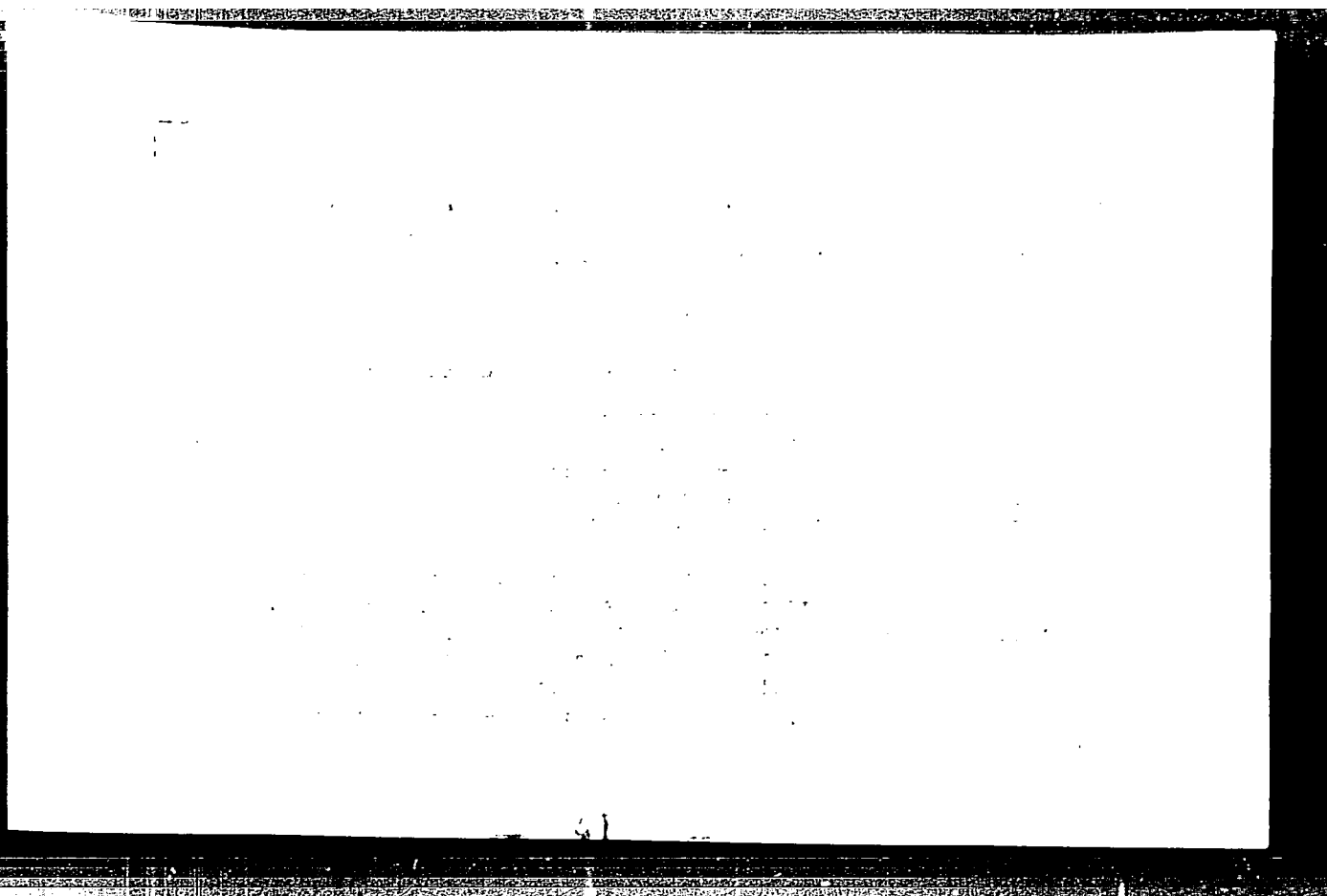
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PHASE I BOOK EXPLOITATION

SOV/3355

Academiya nauk SSSR, Institut metallurgii Mauchnyy sovet po
probleme sharoprochnykh splavov
Isledovaniya po sharoprochnym splavam, t. IV (Studies on Heat Resistant Alloys, vol. 4), Moscow, Izd-vo AN SSSR, 1959. 400 p.
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Sciences; I. A. Odintsov; I. M. Pavlov, and I. P. Izudin, Academician
of Technical Sciences

PURPOSE: This book is intended for metallurgists concerned with
the structural metallurgy of alloys
COVERAGE: This is a collection of specialized studies of various
problems in the structural metallurgy of heat-resistant alloys.
Some are concerned with theoretical principles, some with descriptions
of new equipment and methods, others with properties of
specific materials. Various phenomena occurring under
specified conditions are studied and reported on. For details,
see Table of Contents. The articles are accompanied by a number
of references, both Soviet and non-Soviet.

Studies (Cont.)

SOV/3355

Gulyayev, A. P., and I. V. Chernomir. Effect of Plastic Deformation at Low Temperatures on the Heat-Resistant Properties of Type 18-8-Ti Austenitic Steel	214
Kavetskii, Ya. M., and M. A. Trukina. Recrystallization of the Refractory Metals Tantalum, Hafnium, Tantalum, Niobium, and Tungsten, and Their Alloys	218
Orlov, V. M., V. I. Trefilov, and A. K. Butylenco. Effect of Structure on Plasticity of Chromium	226
Aseyev, A. V., and V. A. Trepeznikov. Production of Fine Chromium	237
Svechnikov, V. M., Yu. A. Kocherzhinskiy, V. M. Pashkov, Ya. Ye. Mazurek, and A. A. Kiselev. Study of the Chromium-Niobium-Tungsten System	248
Orlov, G. M., V. I. Trefilov, and D. I. Prokofiev. Constitution Diagram of the Ternary System Chromium-Tungsten-Molybdenum	257

Card 8/12

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