

ACCESSION NR: AT4040808

In the absence of a catalyst, significant polymerization was observed only at 15×10^6 r, yielding a waxy product. The presence of benzoyl peroxide accelerated the polymerization at radiation doses of $3-9 \times 10^6$ r, yielding solid products, which indicates that this reaction proceeds by a radical mechanism. Orig. art has: 1 table.

ASSOCIATION: Institut khimii polimerov AN UzSSR (Institute of Polymer Chemistry, AN UzSSR)

SUBMITTED: 00

ENCL: 00

SUB CODE: OC, MT

NO REF SOV: 000

OTHER: 003

Card 2/2

USMANOV, K.E.U.; YUL'CHIBAYEV, A.A.; MIKHAMEDZHANOV, P.; GORILYENKO, A.A.;
FALENKO, A.A.; DORDZHIN, G.S.; VALIYEV, A.

Radiation-induced polymerization of vinyl fluoride. Kh. m. i t. z. -
khim. prirod. i sint. polim. no. 19:05-06 162 (MIRA 1981)

1. Chlen-korrespondent AN UzbSSR (for Usmanov).

L 3993-66 EWP(e)/EWT(m)/EPF(c)/ENP(1)/ENP(3)/ENP(b)/EWA(d) RPL WW/RM/WH

ACC NR: AP5025675

UR/0286/65/000/018/0025/0025
547.321.07

AUTHOR: ^{44,55} Usmanov, Kh. U.; ^{44,55} Yul'chibayev, A. A.; ^{44,55} Dordzhin, G. S.; ^{44,55} Patenko, A. A. ⁴⁸

TITLE: Preparative method for vinyl fluoride. ^{44,55} Class 12, No. 174622 ⁶

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 18, 1965, 25

TOPIC TAGS: vinyl fluoride

ABSTRACT: An Author Certificate has been issued for a preparative method for vinyl fluoride. The method involves the reaction of acetylene with hydrogen fluoride (1/1.5 molar ratio) in the presence of aluminum fluoride catalyst on heating. To increase the vinyl fluoride yield, the reactants are passed through a 15/1 aluminum fluoride/graphite mixture which had been pre-saturated with hydrogen fluoride, at about 380C. ¹⁵ (SM)

ASSOCIATION: none

SUBMITTED: 11Dec64

NO REF SOV: 000

ENCL: 00

OTHER: 000

SUB CODE: OC, CC

ATD PRESS #120

^{BC}
Card 1/1

L 11111-63
 ACCESSION NR: AP3004713

EFP(c)/EPR/EWP(j)/EWT(m)/BDS
 RM/MAY/WW

AFFTC/ASD Pr-4/PB-4/PC-4
 S/0190/63/005/008/1277/1277 77

AUTHOR: Usmanov, Kh. U.; Yul'chibayev, A. A.; Mukhamedzhanov, R.; Gordirenko, A. A.; Valiyev, A.; Patenko, A. A.; Dordzhin, G. S.

TITLE: Radiation-induced polymerization of vinyl fluoride

SOURCE: Vy*sokomolekulyarny*ye soyedineniya, v. 5, no. 8, 1963, 1277

TOPIC TAGS: fluorocarbon polymer, poly(vinyl fluoride), poly(vinyl chloride), Ftoroplast-4, Teflon polytetrafluoroethylene, radiation-induced polymerization, cobalt 60, gamma rays, initiator, benzoyl peroxide, radical polymerization

ABSTRACT: The higher heat, chemical, and light resistance of poly(vinyl fluoride) (PVF) as compared to poly(vinyl chloride) and the possibility of substituting PVF in certain cases for Ftoroplast-4 [polytetrafluoroethylene, or Teflon] have prompted a study of the synthesis of PVF by radiation-induced polymerization. The monomer was prepared from pure HF and C₂H₂, separated from excess HF and C₂H₂ and irradiated in sealed ampoules with γ -rays from a Co⁶⁰ source at a dose rate of 34 r/sec. Irradiation in the absence of initiators yielded waxy products. In the presence of benzoyl peroxide a yellowish solid product was obtained.

Card 1/2

L 11114-63
ACCESSION NR: AP3004713

The PVF yield increased in both cases with an increase in the radiation dose. Acceleration of the polymerization in the presence of the initiator indicates that the polymerization follows the radical mechanism.

ASSOCIATION: none

SUBMITTED: 11Mar63

DATE ACQ: 28Aug63

ENCL: 00

SUB CODE: CH, MA

NO REF SOV: 000

OTHER: 002

Card 2/2

PATENKO, A.P., redaktor; RABINOVICH, I.A., redaktor; PANOVA, L.Ya., tekhnicheskii redaktor

[For high quality glass; work practice of the "Järvakandi" combine]
Za vysokoe kachestvo stekla; iz opyta raboty kollektiva kombinata
"Järvakandi." Moskva, Gos. izd-vo lit-ry po stroitel'nym materialam, 1954. 47 p. (MLRA 8:7)
(Glass)

130 ab

B1-9 Glass, Ceramics,
Refractories

This paper deals with: experience at the Gorky (glass) factory.
A. P. Palenko, A. A. Grachev, and Y. G. Gutop (Sov. Ceram.,
1948, 8, No. 3, 10; *Sov. Ceram. Abstr.*, 1948, 12A). R. H. CLARK.

19

CA

The influence of temperature conditions on the streaking of plate glass. *Ann. N.Y. Acad. Sci.* 1939, 42, 197. — The streaking of plate glass can be prevented by raising the temp. Other difficulties thus introduced, such as bubble formation and the appearance of thin places in the glass, can be avoided by modifying the mech. equipment. M. G. M.

337 AND 170 CODES PROCESSING AND PROPERTY MODES 330 AND 07M CODES

COMMON ELEMENTS

MATERIALS MODES

COMMON VARIABLES MODES

ASD-51A METALLURGICAL LITERATURE CLASSIFICATION

EDM SOURCE

EDM SOURCE

EDM SOURCE

PATENKO, Anton Prokof'yevich; KOMENDANT, K., red.; IOAKIMIS, A.,
tekhn.red.

[Using glass in construction] Steklo v stroitel'stva. Kiev,
Gos.izd-vo lit-ry po stroit. i arkhit. USSR. 1959. 103 p.
(MIRA 12:11)

(Glass construction)

KOLKER, I.I., DAKHNOVA, Ye.N., PATENKOV, M.N.

Effect of plowing methods on some soil micro-organisms in fallowed fields [with summary in English]. Mikrobiologiya 27 no.3:340-347 My-Je '58 (MIRA 11:9)

1. Krymskiy sel'skokhozyaystvennyy institut im. M.I. Kalinina, Simferopol'.

(PLOWING)

(SOIL MICRO-ORGANISMS)

PATENKOV, M. N.

Fatenkov, M. N. "Diseases of Cotton in the Crimea and Means of Control," Trudy
Krymskogo Nauchno-Issledovatel'skikh Instituta Mashchity iastenii, vol. 2, no. 1,
1933, pp. 40-41. 464.9 K84

So: SIRA - Si-90-53, 15 Dec. 1953

PITERSKOV, N.I.; PATENOVSKAYA, M.A., red.; BOROVNEV, N.K., tekhn.red.

[Handbook on accident prevention for drainage pump operators]
Pamiatka po tekhnike bezopasnosti dlia mashinista vodootliv-
nykh nasosov. Moskva, Gosstroizdat, 1962. 13 p.
(MIRA 16:2)

(Pumping machinery, Electric--Safety measures)

ROMOV, Isay Vladimirovich, KATROVSKAYA, M. I. red.; YAKHONTOVA,
T.D., tekhn. red.

[Safety manual for workers engaged in the application of anticorrosive coatings; applicators of lining and rubber coatings and painters] Pamiatka po tekhnike bezopasnosti dlia rabochikh pri proizvodstve antikerroziinykh raket, futerovshchiki, gumirovshchiki, maliary. Izd. 2., dop. Moskva, Gosstroizdat, 1963. 29 p. (MIRA 16.16)
(Protective coatings -Safety measures)

NOSKOV, Sergey Kleonikovich, kand. tekhn. nauk; NIKIFOROV, I.A.,
kand. tekhn. nauk, nauchn. red.; PATENOVSKAYA, M.I., red.;
BOROVNEV, N.K., tekhn. red.

[Waterproofing in industrial construction] Ustroistvo gid-
roizoliatsii v promyshlennom stroitel'stve. Moskva, Gos-
stroizdat, 1963. 214 p. (MIRA 16:9)
(Waterproofing)

LEVI, S.S.; SOKOV, G.F.; PATEROVSKAYA, N.I., red.

[Economy in the use of steel reinforcements is an important task for builders] Ekonomiiia armaturnoi stali - vazhnaia zadacha stroitelei. Moskva, Gosstroizdat, 1963. 37 p. (MIRA 17:6)

BOGATYKH, Yakov Dmitriyevich; PALEKOVSKAYA, M.I., red.

[Safety manual for assembling tubular scaffolding]
Iamiatka po tekhnike bezopasnosti dlia montazhnika
metallicheskikh trubchatykh lesov. 1zd.3., dop. Mo-
skva, Stroizooat, 1961. 33 p. (MIRA 17:6)

ZYUZIN, Aleksandr Filippovich; PATENOVSKAYA, M.I., red.

[Safety manual for electricians engaged in the installation of electrical equipment in industrial enterprises.
Pamiatka po tekhnike bezopasnosti dlia elektromontera po montazhu elektrooborudovaniia promyshlennykh predpriiatiu.
Moskva, Stroiizdat, 1965. 35 p. (MIRA 28:2)

LEVI, S.S.; SOKOV, G.P.; PATENOVSKAYA, M.I., red.; MIKHEYEVA, A.A.,
tekhn. red. ~~XXXXXXXXXXXXXXXXXXXX~~

[Saving reinforcing steel is an important task of the builder]
Ekonomiia armaturnoi stali - vazhnaia zadacha stroitelei. Mo-
skva, Gosstroizdat, 1963. 37 p. (MIRA 16:9)
(Concrete reinforcement)

ZAKHAROV, P.A.; PATENOVSKAYA, M.I., red.; TARKHOVA, K.Ye., tekhn.
red.

[Safety manual for fan installers] Pamiatka po tekhnike
bezopastnosti dlia slesarei - ventiliatsionnikov. Mo-
skva, Gosstroizdat, 1963. 15 p. (MIRA 16:12)
(Fans, Electric--Safety measures)

BOCHINSKIY, N.F.; PATENOVSKAYA, M.I., red.; TARKHOVA, K.Ye.,
tekhn. red.

[Manual for assemblers working on high structures] Pa-
miatka po tekhnike bezopasnosti dlia montazhnika-
verkhelaza. Izd.2., perer. i dop. Moskva, Gosstroiz-
dat, 1963. 38 p. (MIRA 17:2)

IVANOV, Yevgeniy Dmitriyevich; PATENOVSKAYA, M.I., red.;
TARKHOVA, K.Ye., tekhn. red.

[Safety manual for workers using mineral insulating materials ("slag felt" and glass wool)] Pamiatka po tekhnike bezopasnosti dlia rabochikh-izolirovshchikov, rabotaiushchikh s mineral'nymi izoliatsionnymi materialami (shlakovoilok, steklovata). Izd.2., perer. i dop. Moskva, Gosstroizdat, 1963. 28 p.

(MIRA 17:2)

DANILOV, Petr Pavlovich; PATENOVSKAYA, M.I., red.; PAVLOVA, V.,
tekh. red.; YAKHONTOVA, T., tekh. red.

[Safety regulations for motor crane operators] Pamiatka po
tekhnikе bezopasnosti dlia mashinista avtomobil'nogo krana.
Izd.2., perer. i dop. Moskva, Stroiizdat, 1964. 35 p.
(MIRA 17:3)

PITERSKOV, N.I.; PATENOVSKAYA, M.I., red.; YAKHONTOVA, T.D.,
tekhn. red.

[Organizing the promotion of safety engineering in
construction and in enterprises manufacturing building
materials] Organizatsiia propagandy po tekhnike bez-
opasnosti na stroitel'stve i predpriatiiakh stroitel'-
nykh materialov. Moskva, Gosstroizdat, 1963. 87 p.
(MIRA 17:2)

PETROV, N.V.; PATENOVSKAYA, M.I., red.; BOROVNEV, N.K., tekhn. red.

[Safety manual for fitters engaged in interior sanitary engineering] Pamiatka po tekhnike bezopasnosti dlia slesaria-santekhnika po vnutrennim sanitarno-tekhnicheskim rabotam. Izd.2., perer. i dop. Moskva, Gosstroizdat, 1963. 23 p. (MIRA 17:2)

RYAZANTSEV, K.G.; KLUTS, L.Ya., nauchn. red.; PATENOVSKAYA, M.I.,
red.; TARKHOVA, K.Ye., tekhn. red.

[Public control of labor safety in construction and in
enterprises of the building materials industry] Obshche-
stvennyi kontrol' po okhrane truda v stroitel'stve i na
predpriyatiyakh promyshlennosti stroimaterialov. 2, perer.
i dop. izd. Moskva, Gosstroizdat, 1963. 165 p.

(MIRA 16:10)

(Building--Safety measures)

SVESHNIKOV, V.A. · FAYNGERSH, Ya.D., PATENC VSKAYA, M.I., red., TARKHOVA,
K.Ye., tekhn. red.

[Safety manual for workers using assembly guns] Pamiatka po
tekhnikе bezopasnosti dlia rabotaiushchikh stroitel'no-
montazhnym pistoletom. Izd.2., perer. 1 dop. Moskva, Gos-
stroizdat, 1963. 27 p. (MIRA 16:10)
(Construction equipment---Safety measures)

ARKHIPOV, Ivan Ivanovich; PATENOVSKAYA, M.N., red.izd-va;
GUISALENKO, I.S., nauchn. red.; RODIONOVA, V.M.,
tekh. red.

[Mechanized production and use of adobe in rural construc-
tion] Mekhanizirovannoe proizvodstvo i primeneniye samana v
sel'skom stroitel'stve. Moskva, Gosstroizdat, 1963. 133 p.
(MIRA 17:3)

PATENT, R. L.

Chemical Abstracts
Vol. 48 No. 5
Mar. 10, 1954
Biological Chemistry

fig 2

Standard solution of potassium dichromate used in carotene determination. R. L. Patent No. 73-4 (1953).
White Russian Sanit. Inst., Minsk. *Voprosy Pishki* 12, No. 6, 73-4 (1953). For carotene detns. by the colorimetric procedure, 0.0145% a/c. soln. of azobenzene, whose color shade is closer to that of the carotene solns., is suggested instead of $K_2Cr_2O_7$ standard. G. M. Kuznetsov

chem
③

ROMYSH, L.F.; PATENT, R.L.

Method for controlling hospital diet. Zdrav. Belor. 4 no.2:43-46
F '58. (MIRA 13:8)

1. Belorusskiy nauchno-issledovatel'skiy sanitarnyy institut
(direktor P.V. Ostapen'va).
(HOSPITALS--FOOD SERVICE)

W. H. W. S. L., et al., 1958, p. 1.

"(Organizational problems of a similar in relation to the
methods of its study."

report submitted at the 10th All-Union Congress of Biologists, Microbiologists
and Infectiologists, 1958.

ROMYSH, L.F.; PATENT, R.I.; GOSES, G.Ya.

Iodine content in food products of local origin in regions of the White Russian S.S.R. with various distribution rates of endemic goiter. Vop. pit. 23 no.1:51-57 Ja-F '64.

(MIRA 17:8)

1. Iz otdela gigiyeny pitaniya (zav. - kand. med. nauk L.F. Romysh) Belorusskogo sanitarno-gigiyennogo instituta, Minsk.

GODES, G.Ya.; ROMYSH, L.P.; PATENT, R.L.

Some data on the iodine content of local food products in the rural areas of the White Russian S.S.R. and problems in the prevention of goiter. Zdrav.Belor. 5 no.1:47-48 Ja '60. (MIRA 13:5)

1. Iz otdela gigiyeny pitaniya Belorusskogo nauchno-issledovatel'skogo sanitarno-gigiyenicheskogo instituta (direktor P.V. Ostapenya).
(IODINE) (GOITER)

FD-307

USSR, Medicine - nutrition

Card 1/2 Pub. 141 - 17/83

Author : Patent, R. L.

Title : Concerning the quantitative determination of magnesium in food products

Periodical : Vop. pit., 47-47, May, Jun 1959

Abstract : The colorimetric method for the determination of magnesium in food products as presented in the book "Methods for Studying the Composition of Domestic Food Products" is not sufficiently accurate. The method is based on the precipitation of magnesium as ammonium magnesium phosphate with ammonium phosphate. When ammonium molybdate reacts with the precipitate, a blue colored complex is formed after reduction which is compared with a standard in a colorimeter. In the directions, it is recommended that the precipitate be washed with ammonia followed by a single washing with an alcoholic solution of ammonia to remove the excess ammonium phosphate. The author points out that this is insufficient washing and some phosphate ion is still present in the precipitate which on reduction with hydroquinone, interferes with the colorimetric determination.

Card 2/2

FD-3071

intensity of the color. Check runs were made (using pure magnesium sulfate) by washing the precipitate to a negative phosphate ion test and the results compared with that of the given method. The outcome was that on multiple washing, the result was within 3.5% of the true value, while on using the recommended procedure, the result was 27% higher than the true value. No references.

Institution : Nutrition Division (Head - Cand Med Sci L. F. Romysh) Belorussian Sci-Res Sanitary Inst, Minsk

Submitted :

PATENT, R.L.

Copper content in the food of the rural population of White Russia in districts with varying endemic goiter infectiousness. Vop. pit. 23 no.2:79-81 Mr-Ap '64. (MIRA 17:10)

1. Iz otdela gigiyeny pitaniya (zav. - kand. med. nauk L.F. Romysh) Belorusskogo nauchno-issledovatel'skogo sanitarno-gigiyenicheskogo instituta, Minsk.

LAVRENKO, P.I.; PATENT, Sh.S.

Using radio communication in construction. Mekh. stroi. 18 no.
5:18-20 My '61. (MIRA 14:7)

1. Trest Stroyemkhanizatsiya, g. Minsk.
(Construction industry) (Radio in industry)

LAVRENKO, Pavel Ivanovich, kand. tekhn.nauk, dots.; PATENT,
Sholom Solomonovich, inzh.; ANTONOVA, N.N., inzh., red.

[Use of radio in dispatcher control] Primenenie radio-
svyazi v dispetcherskoi sluzhbe; opyt tresta No.15
"Stroimekhanizatsiia" Ministerstva stroitel'stva
Belorusskoi SSR. Moskva, Gosstroizdat, 1962. 10 p.
(MIRA 16:9)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut
organizatsii, mekhanizatsii i tekhnicheskoy pomoshchi
stroitel'stvu. 2. Belorusskiy politekhnicheskii institut
(for Lavrenko). 3. Glavnyy dispetcher tresta No.15
"Stroymekhanizatsiya" Ministerstva stroitel'stva Bel.SSR
(for Patent).

(Radio) (Intercommunication systems)

COJA, N., assist. prof.; POP, M.; PATEPOL, D.

Contributions to the study of the thyroid function during the early puerperium. Rumanian M. Rev. 3 no.4:38-41 O-D '59.

1. 1st Clinic of Obstetrics, Cluj.
(PUERPURIUM physiology)
(THYROID GLAND physiology)

SKOWRONSKA, Irena; SKOWRONSKI, Stefan; PATER, Aniela; WOZNA, Hanna

Evaluation of the clinical use of endo:an in malignant tumors.
Nowotwory 13 no.3:267-274 JI-S'63.

1. Z Wojewodzkiego Ośrodka Onkologicznego w Poznaniu;dyrek-
tor: dr. med. S.Skowronski.

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CA 1000

14

Drinking water supplies of Hungarian railroads. János
Páter (Magyar Államvasutak Vegytészeti Lab., Budapest)
Hidrol. Közlemény 30, 220-1(1950).—For disinfecting con-
taminated wells the application of small amts. of Ag (100 to
200 γ /l.) is recommended.
István Fényi

C.A. FATER

14

The appraisal of Hungarian drinking waters (Anna Páter (Magyar Államvasutak Vegytérmi Lab., Budapest) *Hidrol. Közlem.* 20, 301-72 (1950)). Other categories of waters are described, the limit values of which are as follows: total solids 681 (good drinking water), 1211 (ordinary drinking water), 3144 (bad drinking water); Cl 37, 60, 257; NO₂ 20, 55, 218; NO₃ 0.12, 0.30, 1.50; NH₄ 0.03, 0.20, 1.70; SO₄ 97, 181, 872 mg/l.; alkalinity 0.7, 8.7, 14.7; total hardness 18.6, 30.6, 44.4° German; and O consumption 1.92, 3.60, 5.80 mg O/l. István Finkly

e. A. F. 111

14

Diagrams illustrating the chemical composition of drinking waters. James Páter (MÁV Közp. Kísér.-Értékel. Hivatala, Budapest, Hung.). *Hidrol. Közlöny* 30, 428 (1950). For the quick prepn. of diagrams showing the most important data for drinking waters a system of 3 coordinates is used. One coordinate serves for plotting the values of alk., total hardness, and total solids, another for sulfate, chloride, and nitrate contents, and a third for O consumption and of nitrite and NH_3 content. The basic coordinates show the standard values of good drinking waters. If the respective values for a water sample are above or below the standard data, the value is plotted above or below the coordinate. Thus the triangular diagram shows instantaneously whether the water is above or below the standards of a good drinking water.

István Finálv

X NAV CENTRAL PUBLIC HEALTH BUREAU. *JK*

Páter, János

HUNG.

63. Significance of taste spoiling constituents in the hygienic evaluation of drinking water (In Russian) — J. Páter. (Acta Technica Academiae Scientiarum Hungaricae — Vol. 9, 1954, No. 1-2, pp. 49-54, 4 figs., 3 tabs.)

In the hygienic evaluation of drinking water it is advisable to bear in mind not only the water, but, from the physiological point of view, the human organism as well. It would therefore be desirable that physiologists, besides examining the metabolism of salts, also pay attention to the hitherto neglected field of metabolism of water. In the hygienic evaluation of water issuing

in sunk wells, especially in the Great Hungarian Plain the standards are too strict, therefore, greater allowances can be made to comply with the physiological requirements of the human organism.

PATER, Janos, dr., ^{MED} ^{SCI} orvostudományok kandidátusa.

Organization of preventive services on railroads.
Egészségügy 36 no.8:205-208 Aug 55.

1. Közlemény ^{AV} MAV ^{CENTRAL} Központi ^{HEALTH} Egészségügyi ^{BUREAU AND OFFICE} Hivatalából
(hivatalvezető- főorvos: Székules, Karoly dr.).
(PUBLIC HEALTH,
railroad serv. in Hungary.)

PATER, Janos, dr.; KERDO, Istvan, dr.; SEBESTYEN, László, dr.;
HORVATH, László, dr.

Complex examinations on industrial hygiene in the workshops
of the Hungarian Railways. Nepegeszsegugy 38 no.1-2:26-38
Jan-Feb 57.

1. Közlemény a ^{Central Public Health Dept} MAV Központi Egészségügyi Hivatalból (vezető
orvos: Székulesz, Karoly, dr.) és az Országos Reuma és
Füzdőgyógyászati Intézet (igazgató: Dubovitz, Dénés, dr.) keretében
működő Országos Balneológiai Kutatóintézetből (tudományos vezető:
Schulhof, Odon, dr.).

(INDUSTRIAL HYGIENE

in workshops of the Hungarian Railways (Hun))

PATER, J.; DOBOS, A.

Investigation of the bacteria-retaining capacity of sand filter. p. 58.

HIDROLOGIAI KOZLONY. HYDROLOGICAL JOURNAL. (Magyar Hidrologiai Tarsasag)
Budapest, Hungary. Vol. 39, no. 1, Jan. 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, no. 7, July 1959
uncla.

LIEBNER, Erno, dr.; PATER, Janos, dr.; FLORIAN, Ede, dr.

Relation of climatic conditions of the work area to the
incidence of foot mycoses. Orv. hetil. 105 no.2:68-70
12 Ja'64.

1. Orszagos Bor - Nemikortani Intezet es MAV Kutato laborato-
rium.

*

GREGACS, Margit; Sz.MUHITS, Katalin; PATER, Janos; TOTH, Istvan

Pollution of the Danube at Budapest. Hidrologiai kozlony
39 no.5:347-356 0'59.

1. "Hidrologiai Kozlony" szerkeszto bizottsagi tagja (for
Pater).

PASZTO, Peter, okleveles vegyeszmernok; PATER, Janos, dr., vezeto foorvos

Remark about the lecture delivered by Dr. Szilard Papp entitled
"Quality of surface waters in Hungary." Hidrológiai közlöny 41
no.3:210-214 Je '61.

1. Vizgazdalkodási Tudományos Kutató Intézet (for Paszto).
2. MAV Egészségügyi Kutató Laboratórium; "Hidrologiak Közöny"
szerkesztő bizottsági tagja (for Pater).

PATER, Janos, dr., egyetemi tanar

Relationship between weather conditions and sports achievements.
Elet tud 18 no.24:758-761 16 Ja '63.

PATER, J.

The achievements of Bela Fenyvessy in hygienic medical research.
Nepegeszsegugy 44 no.2:36 F '63.

(BIOGRAPHIES) (HYGIENE)

MACHALSKI, Marek; KALINA, Zbigniew; FOREMNY, Zbigniew; PATER, Janusz

Postbulbar duodenal spasm syndrome. Pol. tyg. lek. 20 no.38:
1422-1424 20 S '65.

1. Z I Kliniki Chorob Wewnętrznych Śląskiej AM w Katowicach.
(Kierownik: prof. dr. Jozef Japa) i z Zakładu Radiologii
P.M.R.N. w Katowicach (Kierownik: dr. Maria Mromlinska).

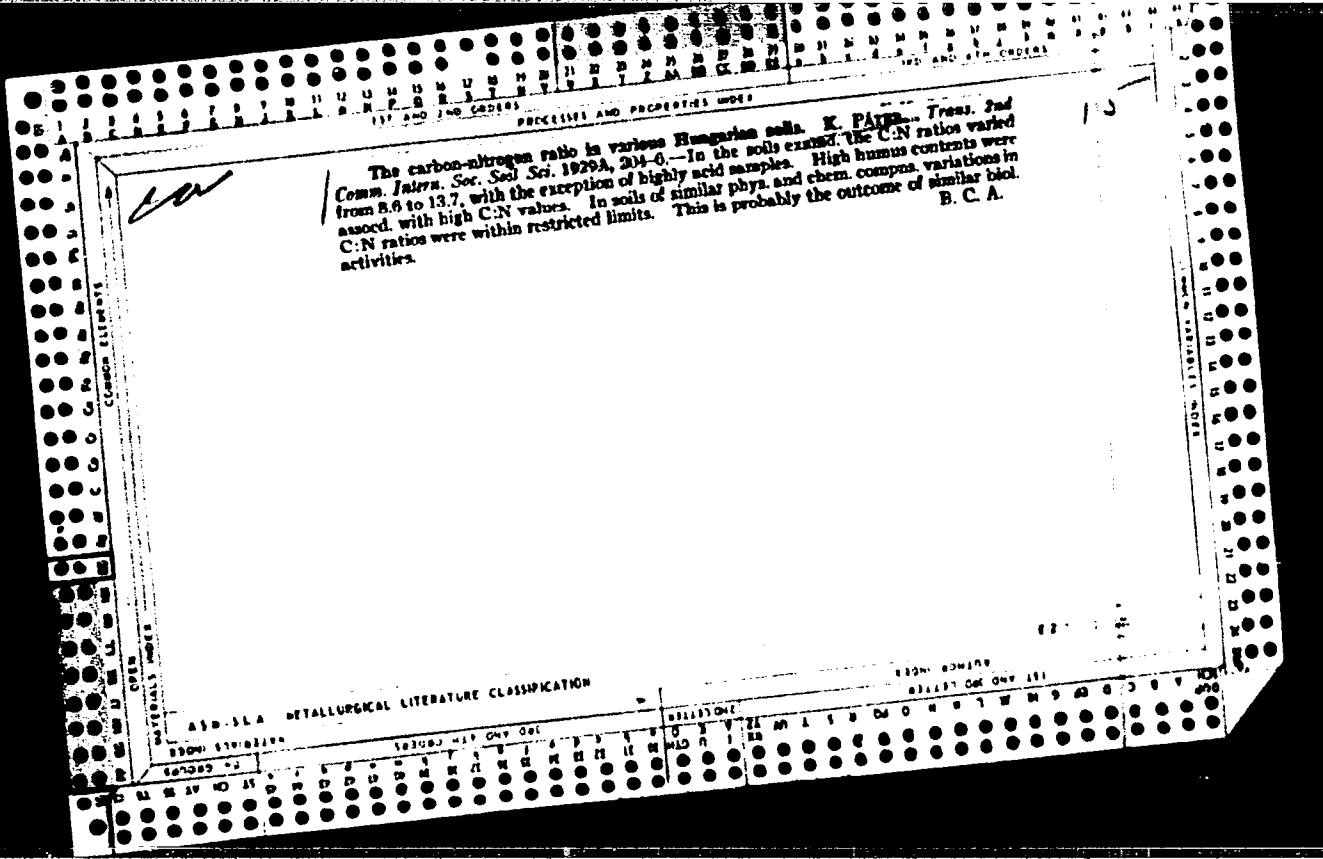
FRIED, K.; PATEK, V.; NOVAK, V.

Considerations on the problem of Caplan's syndrome. Cesk. rentg.
15 no.1:65-68 P '61.

1. Radiologicke oddeleni UNZ-Kladno, prednosta MUDr. Fried
Revmatologicka ordinace pri I. int. oddeleni UNZ-Kladno, pred-
nosta MUDr. Jindrak.

(SILICOSIS radiog)

(ARTHRITIS RHEUMATOID radiog)



PATER, T. N.

"Study of Conditions for Hydrolysis of Starch in Obtaining Sweet Molasses." Sub
9 Jun 52, Moscow Technological Inst of the Food Industry

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55

PATER, Krystyna

Determination of the fructose of bulls' and rams' semen using
the R. Kulka method. Zeszyty problemowe post nauk roln no.31:173-177
'61.

1. Katedra Fizjologii Zwierzat, Wyzsza Szkola Rolnicza, Krakow.
Kierownik: prof. dr. Z. Ewy.

PATER, Marton, dr.

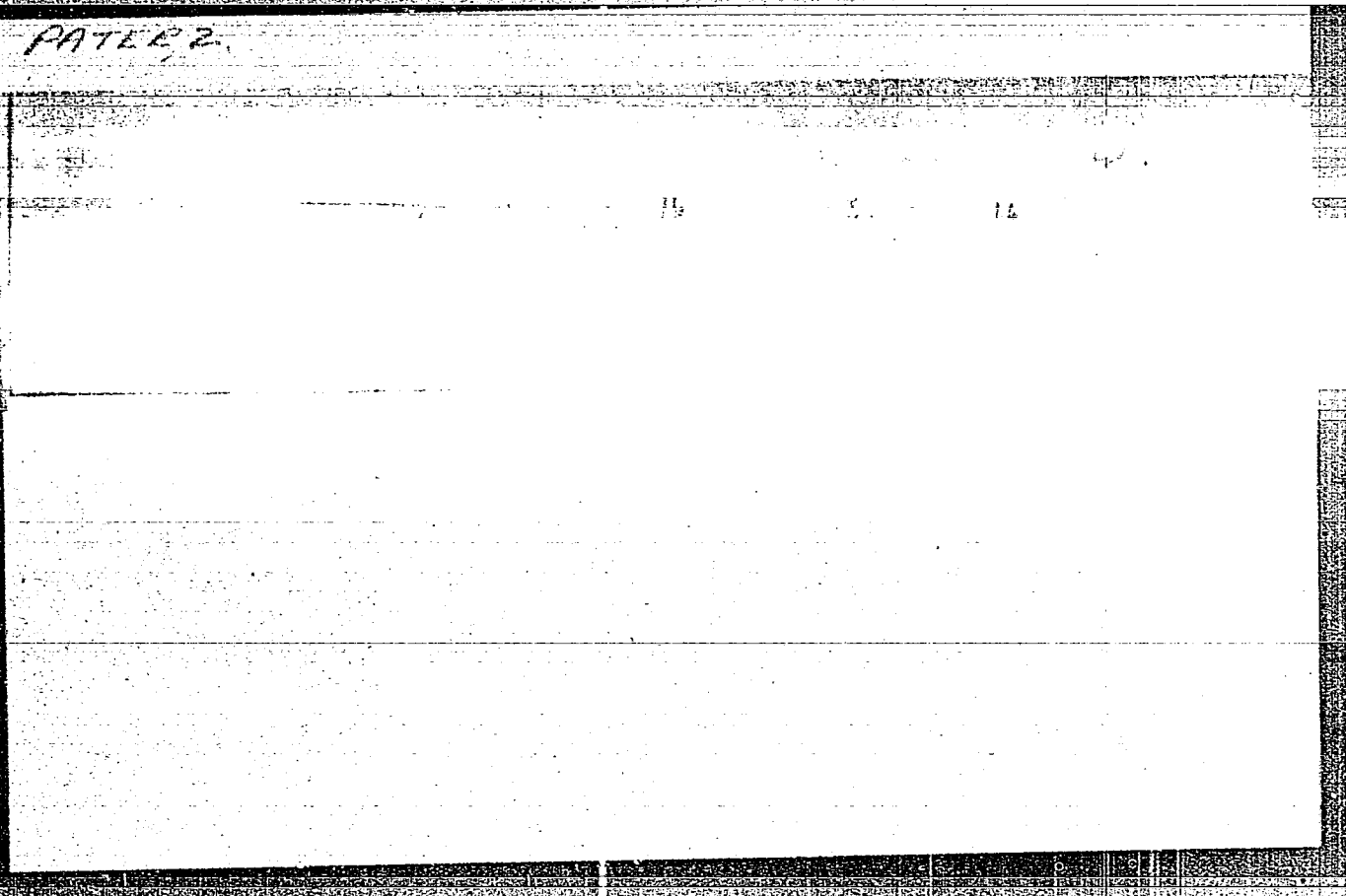
Elevation of the antithrombin content of the blood during heparin therapy. Orv. Hetil. 106 no.21:1024-1025 30 Hyl.

1. Orvostovábbképző Intézet, Sebészeti Tanszék (tanszékvezető: Littmann, Imre, dr.).

PATER, Z.

Groups coinciding with their commutative group. Studii cerc mat Cluj
9 no.1/4:245-247 '58. (EAI 10:5)

1. Scoala medie Baraolt.
(Groups, Theory of)



FATER, Z.

About functions of complex generalized variables. p. 399

GAZETA MATEMATICA SI FIZICA. SERIA A. (Societatea de Stiinte
Matematice si Fizice din Romania)
Vol. 8, no. 8, August 1956

Bucuresti, Rumania

SOURCE: East European List (EEAL) Library of
Congress, Vol. 6, No. 1, January 1957

PATER, Z.

"For the fulfillment of increased tasks in the woodworking industry." (p. 141)
CESKOSLOVENSKY PRUMYSL (Ministerstva tezkého průmyslu) Praha, Vol 7, No 4,
Apr. 1954.

SO: East European Accessions List, Vol 3, No 8, Aug 1954

PATERA, E.

PATERA, E. Comments on J. Jilek's article; study on the complex chemical use of brown coal. p. 378

Vol. 36, no. 11, Nov. 1956

PALIVA

TECHNOLOGY

Praha, Czechoslovakia

So: East European Accession Vol. 6, No. 2, 1957

PATERA, E.

The Stalin Works in the liberated republic. p. 146.
(PALIVA, vol. 35, no. 5, May 1955, Praha)

SO: Monthly List of East European Accession, (EEAL), LC, Vol. 4,
No. 11, Nov. 1955, Uncl.

PATERA, Evzen

Behavior of the low-temperature tar produced at Most during high-pressure hydrogenation. Evzen Patera, Freiberg. *Ferich. Abh.*, 21-6, discussion 22-24 (1955) - The heat-transfer decrease of exchangers used in the pressure hydrogenation of low-temp. brown-coal tars (I) produced at Most (Brdx, Czechoslovakia) was found to be caused by the polymerization of polyhydric phenols present in I and by the formation of a deposit on heat-transfer surfaces. Detailed information on the behavior of different fractions of I in the hydrogenation preheaters, heat exchangers, and superheaters is given. The elec. precipitator tar (II) of Lurgi low-temp. carbonization, as used at Most, contained phenol 0.3, cresols 0.8, and xylenols 1.7%. The middle oil of II contained phenol 2.5, cresols 5.2, xylenols 5, and polyhydric phenols (III) 6-32.5%. III contg. pyrocatechol 37, isohomopyrocatechol 18, homopyrocatechol 32, dimethylpyrocatechol 9, and other polyhydric phenols 9%. Owing to its low H/C ratio, I must be preheated as quickly as possible and should be processed in mixt. with other high H/C ratio tars. M. Orhan Tarhan

FU

90

BELYAKOV, V.A.; VAN YUN-CHIAN [Wang Yung-ch'ang]; VEKSLER, V.I.; VIRYASOV,
N.M.; VRANA, I.; DU YUAN'-TSAY [Tu Yuan-ts'ai]; KIM KHI IN;
KLODNITSKAYA, Ye.N.; KUZNETSOV, A.A.; MIKHUL, E.; NGUYEN DIN TY;
PATERA, I.; PENEV, V.N.; SOKOLOVA, Ye.S.; SOLOV'YEV, M.I.;
KHOFMOKL', T.; CHEN LIN-YAN'; MIKHUL, A. [Mihul, A.]

Study of Λ -hyperon and K^0 -meson production in $\pi^+ \pi^- p$ -interactions
at an energy of 7 - 8 Billion Electron Volts. Zhur. eksp. i teor.
fiz. 44 no.2:431-443 F '63. (MIRA 16:7)

1. Ob"yedinennyy institut yadernykh issledovaniy. 2. Sotrudnik
Instituta atomnoy fiziki v Bukhareste (for Mihul).

BARASHENKOV, V.S.; MAL'TSEV, V.M.; PATERA, I.

[Inelastic particle interactions at high energies] Neuprugie vzaimodeistviia chastits pri bol'shikh energiakh. Dubna, Ob"edinennyi in-t iadernykh issl., 1964. 134 p. (MIRA 17:4)

1. Institut fiziki, Praga (for Patera).

BARASHENKOV, V.S.; BLOKHINTSEV, D.I.; MIKHUL, E.K. [Mihul, E.]; PATERA, I.;
SEMASHKO, G.L.

Pulsed spectrum of baryons in inelastic collisions of fast pions
with nucleons. Zhur. eksp. i teor. fiz. 45 no.2:381-383 Ag
'63. (MIRA 16:9)

1. Ob'yedinennyy institut yadernykh issledovaniy. 2. Sotrudnik
Instituta yadernoy fiziki v Bukhareste (for Mikhul).
(Baryons) (Mesons) (Collisions (Nuclear physics))

PATERA, I.; PALEV, Ch.D.

Theoretical interpretation of experiments on elastic scattering in the proton-synchrotron at the United Nuclear Research Institute. Zhur.eksp.i teor.fiz. 38 no.3: 987-989 Mr '60. (MIRA 13:7)

1. Moskovskiy gosudarstvennyy universitet.
(Protons--Scattering)

BARASHKOV, V.S.; BLOKHINTSEV, D.I.; MIKHUL, E.K.; PATERA, I.;
SEMASHKO, G.L.; SARANTSEVA, V.R., tekhn. red.

[Polar theory of Λ -hyperon production in πN -interactions at high energies] Poliusnaya teoriya rozhdeniya Λ -giperonov v πN -vzaimodeistviyakh pri bol'shikh energiakh. Dubna, Ob"edinennyi in-t iadernykh issledovaniy, 1963. 16 p. (MIRA 16:6)

1. Institut atomnoy fiziki v Bukhareste (for Mikhul).
(Hyperons) (Mesons)

L 17214-63 EWT(m)/BDS AFFTC/ASD

ACCESSION NR: AP3005297

S/0056/63/045/002/0381/0383

AUTHORS: Barashenkov, V. S.; Blokhintsev, D. I.; Mikhul, E. K. ⁵⁶
Patera, I.; Semashko, G. L. ₅₃

TITLE: Momentum spectrum of ^Λbaryons in inelastic collisions between fast pions and nucleons

SOURCE: Zhur. eksper. i teoret. fiz., v. 45, no. 2, 1963, 381-383

TOPIC TAGS: baryon , momentum spectrum, pion-nucleon collision , pion-pion collision , SIGMA hyperon , LAMBDA hyperon

ABSTRACT: It is shown that the reason for the double peak observed in the Λ and Σ hyperon momentum spectrum in inelastic collisions between fast pions and nucleons at energies close to 10 BeV is a direct consequence of the resonant interaction between the primary negative pion and the intermediate particle that transmits the bulk of the interaction in peripheral pion-nucleon collisions. Similar double

Card 1/2

L 17214-63

ACCESSION NR: AP3005297

maxima in the spectrum of the recoil nucleons can be attributed to resonance pion-pion interaction. Orig. art. has two figures.

ASSOCIATION: Ob'yedinennyy institut yadernykh issledovaniy
(Joint Institute of Nuclear Research)

SUBMITTED: 25Apr63

DATE ACQ: 06Sep63

ENCL: 00

SUB CODE: PH

NO REF SOV: 003

OTHER: 006

Card 2/2

BELYAKOV, V.A.; WANG YUN-CHAN [Wang Yung ch'ang]; VEKSLER, V.I.;
VIGTASOV, E.I.; VRANA, I.; DU YUAN'-TSAN [Tu Yuan t'ad];
KIM KHI IN; KLADNITSKAYA, Ye.B.; KUZNETSOV, A.A.;
MIKHUL, E.; NGUYEN, DIN TY; PATERA, I.; PENEV, V.N.;
SOKOLOVA, Ye.S.; SOLOV'YEV, M.I.; KHOPKORLI, T.;
MIKHUL, A.

[Production of Λ -hyperons and K^0 -mesons in π^-p -
interactions at an energy of 7-8 Bev] Issledovanie protre-
sov rozhdenia Λ -giperonov i K^0 -mezonov v π^-p - vzaimo-
deistviiakh pri energii 7-8 kev. [n.p. n.e.] 26 p.

(MIRA 16:10)

(Mesons) (Hyperons)

BARASHENKOV, V.S.; PATEVA, I.

[Cross sections of antineutron production] Sечения
рождения антинейтронов. Мухомор, 1962. 12 p.

(MIRA 16:10)

(Nuclear reactions)

PATERA, I.

8/056/63/044/002/007/065
B102/B186

8

AUTHORS:

Belyakov, V. A., Wang Yung Ch'ang, Veksel, V. I.,
Viryasov, N. M., Vvara, I., Tu YBan-ts'ai, Kim Khi Ying,
Kladnitskaya, Ye. N., Kuznetsov, A. A., Mikhul, E. Nguyen
Din Ty, Patera, I., Penev, V. N., Sokolova, Ye. S.,
Solov'yev, M. I., Khofacki', T., Cheng Ling-yen, Mikhul, A.

TITLE:

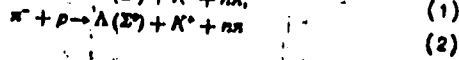
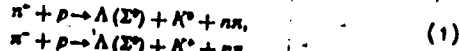
Investigation of Λ -hyperon and K^0 -meson production
processes in πp interactions at 7-8 Bev

PERIODICAL:

Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 44,
no. 2, 1963, 431-443

TEXT: The c.m.s. momentum and angular distributions determined for the
 Λ and K^0 particles produced in πp interactions are given and discussed.
The measurements were made using a 24-liter propane bubble chamber in a
field of 13,700 oe. The total momentum spectrum of the Λ -hyperons
produced in the reactions

Card 1/7



8

B/056/63/044/002/007/065
B102/B106Investigation of Λ -hyperon ...

are shown in Fig. 1, compared with theoretical results. As it may be seen the statistical theory describes the experimental curve very well if the isobars and, the cases with $p_p - p = \Delta < 700$ Mev are neglected.

$\Delta < 700$ Mev corresponds to $\sim 30\%$ of all Λ , these being produced in peripheral interactions. The Λ angular distribution has a distinct backward peak ($\bar{n}_\Lambda/\bar{n}_\Lambda = 0.18 \pm 0.02$). With increasing multiplicity n_p the agreement between experiment and statistical theory improves. The Λ angular distribution and the distribution with respect to p_\perp is virtually independent of n_p . The overall mean of the transverse momentum is 383 ± 12 Mev/c; for $\Delta < 700$ Mev, $\bar{p}_{\perp\Lambda} = 295 \pm 14$ Mev/c and for $\Delta > 700$ Mev, $\bar{p}_{\perp\Lambda} = 432 \pm 18$ Mev/c. For the $K^0(\bar{K}^0)$ mesons produced in the reactions

Card 2/7

8/056/63/044/002/007/065
B102/B186

8

Investigation of Λ -hyperon ...

$$\pi + p \rightarrow \begin{cases} K^0 + \Lambda(\Sigma^0) + n\pi, & (1) \\ K^0 + K^0 + N + n\pi, & (3) \\ K^0 + K^- + N + n\pi, & (4) \\ \bar{K}^0 + K^+ + N + n\pi, & (5) \\ K^0 + \Sigma^\pm + n\pi. & (6) \end{cases}$$

the total momentum spectrum measured (Fig. 4) is weaker than that calculated according to the statistical theory. The angular distribution (Fig. 5) has, besides the isotropic part, a forward peak ($\frac{\bar{n}_{K^0}}{\bar{n}_{K^0}} = 1.61 \pm 0.15$). The

forward-backward ratio decreases with increasing n_π . For the charged pions arising in Λ -production events the momentum distributions are, for $p_\pi^0 > 400$ Mev/c, well described by the statistical theory without taking the isobars into account; for $p_\pi^0 < 400$ Mev/c it is higher than that obtained from theory. The angular distributions for $n_\pi = 2, 4, 6$ are characterized by

Card 3/7

Investigation of Λ -hyperon ...S/056/63/044/002/007/065
B102/B186

$$\bar{n}_{\pi^+}/\bar{n}_{\pi^-} = 1.10 \pm 0.12, \quad \bar{n}_{\pi^-}/\bar{n}_{\pi^+} = 1.40 \pm 0.13.$$

The mean number of π^0 mesons produced per π^-p interaction with Λ production is 1.23 ± 0.14 . The angular distribution of π^- arising in stars with K^0 production has a flat forward maximum ($\bar{n}_{\pi^-}^{\text{fwd}}/\bar{n}_{\pi^-} = 1.10 \pm 0.10$). The mean number of charged particles produced together with Λ is $n_{\text{ch}} = 2.22 \pm 0.13$ which agrees closely with the statistical theory without the isobars. The main part of Λ and K^0 is produced in two-pronged stars. The admixture of $K^0 \Sigma^{\pm}$ pairs amounts to less than 20% of the number of $K^0 K^- + K^0 K^+$ pairs. The momentum distribution of charged pions from π^-p interactions with Λ -hyperon production are characterized by $\bar{p}_{\pi^+} = 425 \pm 16$ Mev/c and $\bar{p}_{\pi^-} = 444 \pm 15$ Mev/c. From a comparison of these angular distributions it is concluded that processes involving ΛK or $K\bar{K}$ pair production are more central than the usual processes of multiple pion production. If one divides the π^-p interactions with strange particle production into head-on

Card 4/7

Investigation of Λ -hyperon ...

8/056/63/044/002/007/069
B102/B106

and peripheral collisions one can say that those involving $K\bar{K}$ pair production are rather of the head-on type than those with ΛK pair production. There are 15 figures and 2 tables.

ASSOCIATION: Ob'yedinennyy institut yadernykh issledovaniy (Joint Institute of Nuclear Research)

SUBMITTED: July 31, 1962

Fig. 1. Total momentum spectrum of hyperons; dashed line: without correction for recording probability; shaded area: events with $\Delta < 700$ Mev; curves obtained from statistical theory with (I) and without (II) isobars, and without the events with $\Delta < 700$ Mev (II').

Fig. 4. K^0 total momentum spectrum.

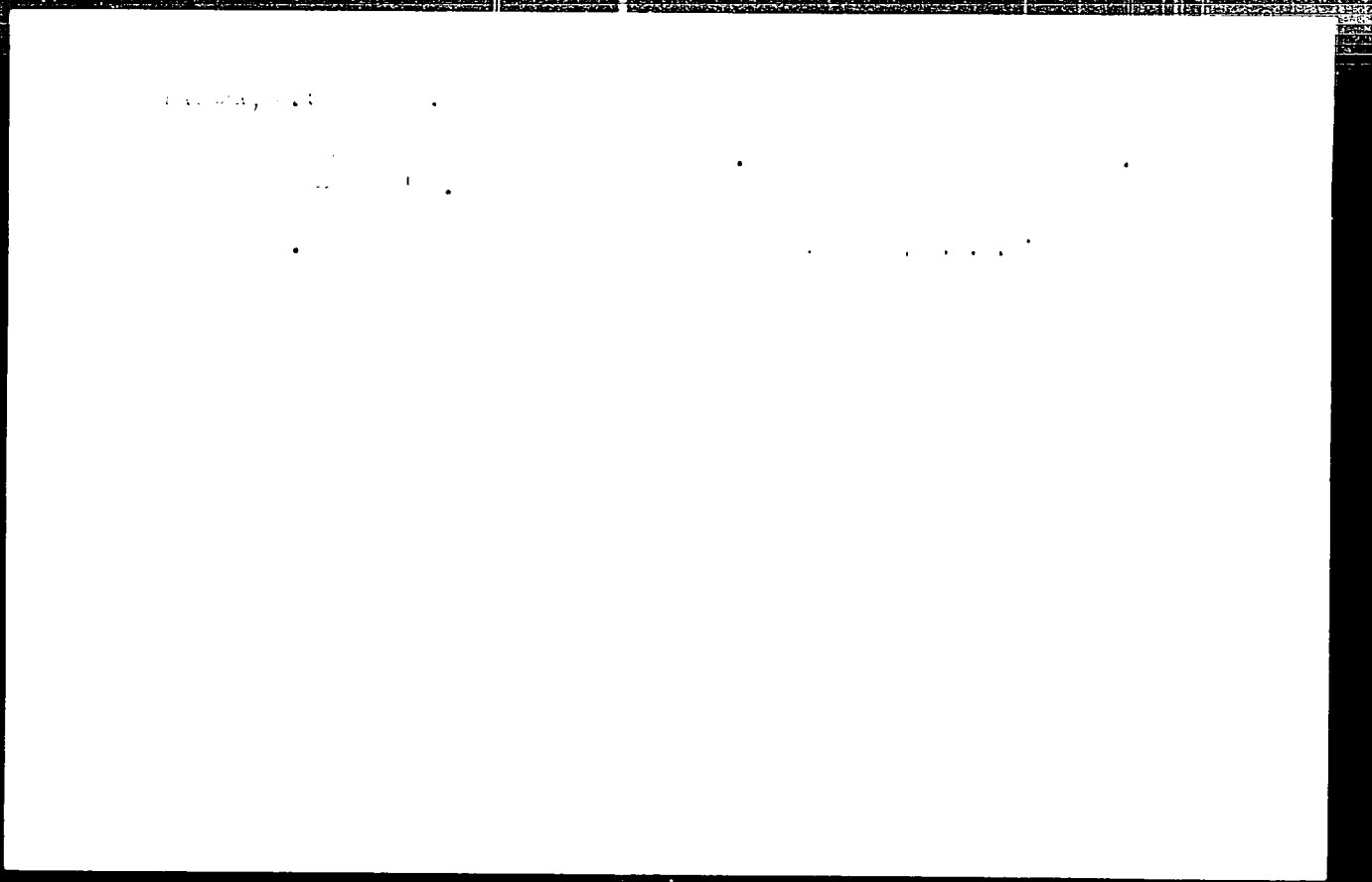
Fig. 5. K^0 total angular distribution.

Card 5/7

PATERA, J.

Social life in the community of Branlysek from the 1890's to 1938.
p. 135. *ČESKOSLOVENSKÁ ETNOGRAFIE*. Československá akademie věd a
Slovenská akademie věd) Praha. Vol. 4, no. 2, 1956.

SOURCE: East European Accessions List, Vol. 5, no. 9, September 1956



Patara, K.

Patara, K. Technical, financial, and industrial plans as the basis of production of iron mines. p. 65

So: Monthly List of the East European Accession, (EEAL), LC. Vol. 1,
no: 10, Oct. 1959

PATYLA, K.

Technical, financial, and industrial data on the basis of scientific and technical
mines. p. 15.

RUDY, Praha, Vol. 3, no. 3, Mar. 1964.

SC: Monthly List of East European Accessions, (LAWL), 10, Vol. 4, no. 1, 1964, 1964,
Uncl.

PATERA, R.

"Document of great importance." p. 773

SVET MOTORU. Praha, Czechoslovakia, Vol. 9, No. 24, Nov., 1955

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

PATERA, V.; TURKOVA, Z.

Morbidity and mortality in tetanus. Cesk. epidem. mikrob. imun.
6 no.5:358-359 Sept 57.

1. Krajska hygienicko-epidemiologicka stanice KNV, Praha reditel
MUDr. L. Hofta.

(TETANUS, statistics,
morbidity & Mortal. in Czech. (Cz))

PATEEA, V.

BELYARDV, V.A., WANG YUNG-CHANG, VEKSELER, V.I., VIRYAGOV, N.M., VRANA, I.,
DU LIAN-TSAI, KIM HI IH, KLAISITICHAYA, Ye. N., KUZNETSOV, A.A., MIHUL, A.,
NGUEN BING TI, I. PATEEA, V. TEBEV, KOKOLOVA, Ye. G., COLOVTEV, M.I.,
HOFMEL, T., and TSEN LIN-TAN

"The Investigation of Λ -Hyperon and K^0 -Meson Production in $\bar{u}C$ and
Interactions at 7-8 Gev"

report presented at the Intl. Conference on High Energy Physics, Geneva,
4-11 July 1962

Joint Institute for Nuclear Research
Laboratory of High Energies

SCHON, E.; PATERA, V.

Intracutaneous test with Motol antigen (Itam) in the epidemic centers of infectious hepatitis. Postepy mikrobiol 2 no. 2:187-184 1961.

i. Institute of Epidemiology, Microbiology and Hygiene, University, Prague.

PATERA, V.; PRASILOVA, F.

Comparative studies on Schick's test with serological titration of diphtherial antitoxin in school children. Cesk.epidem.mikrob. imun.9 no.5/6:441-443 J1'60.

1. Krajska hyg.-epid. stanice KNV, Praha, Ustav ser a ockovacich latek v Praze.

(DIPHThERIA diag)

PATERA, V

ABSOLONOVA, O.; FRAGNER, P.; PATERA, V.

Mycological findings in sputum of patients with lung tuberculosis.
Cesk. epidem. mikrob. imun. 6 no.3:192-194 May 57.

1. Krajska hygienickoepidemiologicka stanice KNV Praha.
(TUBERCULOSIS, PULMONARY, compl.
Monilia albicans isolation from sputum (Cz))
(MONILIASIS
M. albicans isolation from sputum of patients with
pulm. tuber. (Cz))

PATERIOLO, G.A., doktor sel'skokhoz.nauk; FLORINSKAYA, G.N.

Controlling apple powdery mildew in nurseries. Zashch. rast. ot
vred. i bol. 8 no.7:24 J1 '63. (MIRA 16:9)

1. Moldavskiy institut sadovodstva, vinogradarstva i vinodeliya,
Kishinev. 2. Starshiy laborant Moldavskogo instituta sadovodstva,
vinogradarstva i vinodeliya, Kishinev (for Florinskaya).

PATERILO, G.A., kand.sel'skokhoz.nauk

Subcutaneous blight of quince. Zashch.rast.ot vred.i bol. 4
no.6:55 N-D '59. (MIRA 15:11)

1. Moldavskiy institut sadovodstva, vinogradarstva i vinodeliya,
Kishinev.

(Moldavia--Quince--Diseases and pests)

PATERILO, G. A. Doc Agr Sci -- "Development of apple-tree cancer in
apple orchards of Moldavia as a function of ecological ~~conditions~~ conditions."
Mos, 1961 (Mos ~~Order~~ Order of Lenin Agr Acad im K. A. Timiryazev). (KL, 4-61, 203)

22
- -

PATERILO, G.A., kand.sel'skokhoz.nauk

Black rot of fruit trees. Zashch. rast. ot vred. i bol. 6 no.7;
40-41 J1 '61. (MIRA 16:5)

1. Moldavskiy institut sadovodstva, vinogradarstva i vinodeliya,
Kishinev.

(Fruit--Diseases and pests) (Fungi, Phytopathogenic)

USSR/General and Specialized Zoology - Insects.

P.

Abs Jour : Ref Zhur - Biol., No 8, 1958, 35325

Author : Paterilo, G.A.

Inst : -

Title : A Simple Method of Controlling the Acacia Pseudoscale Insects.

Orig Pub : Sad i ogorod, 1957, No 2, 75.

Abstract : The young pseudoscale larvae attach themselves to the bark of older branches for wintering. In the spring when the average temperature is above 8° they move to young branches to get their steady nourishment. Prior to moving the larvae on the crowns (especially on the periphery) were carefully sprayed with a 10-12% emulsion of freshly slaked lime. The lime crust formed on the bark prevented the larvae from adhering to the bark. Spraying after the larvae attached themselves in the spring was not effective.

Card 1/1

PATERIL, G. A.

"Autumn Spraying of Citrus Crops", Vinodeliye i Vinogradarstvo Kollavii
No. 4, pp 45, 1950;

PATERILO, G.A., doktor sel'khoz.nauk; CHELYSHKIN, Yu.G., red.

[Bark diseases of fruit trees] Bolezni kory plodovykh
derev'ev. Moskva, Izd-vo "Kolos," 1964. 73 p.
(MIRA 17:6)

Country : USSR
Category : Plant Diseases. Diseases of Cultivated Plants. 0

Abs Jour : RZhBiol., No 6, 1959, No 25220

Author : Paterilo, G. A.
Inst : Moldavian Affiliate of AS USSR.
Title : Development of the Black Canker in the Apple
Orchards of Moldavia Depending upon Ecological
Conditions.
Orig Pub : Izv. Mold. fil. AN SSSR, 1957, No. 2-3,
123-137

Abstract : The causes of considerable infection of the
apple orchards of Moldavia by the black can-
ker are analyzed. When fully developed, the
canker decreases the fruit harvest by 62-64
percent; at an average degree of infection,
it decreases the fruit harvest by 48-54 per-
cent, and with a slight infection, by 20-23

Card : 1/4

Country : USSR
Category : Plant Diseases. Diseases of Cultivated Plants. 0

Abs Jour : RZhBiol., No 6, 1959, No 25220

Author :
Inst :
Title :

Orig Pub :

Abstract : percent. The percentage of the spread of the black canker grows in a direction from the North to the South of Moldavia and in a direction from the elevated regions of the Kodr to the orchards of the Southern steppe regions. The development of the disease is aided considerably by the factors of temperature (scorchings of the bark) and by wounds caused by

Card : 2/4

13

Card : 3/4

COUNTRY : USSR
CATEGORY : Plant Diseases. Diseases of Cultivated Plants 0
ABS. JOUR. : RZhBiol., No. 13 1958 No. 105023
AUTHOR : Paterilo, G.
INST. : Moldavian Scientific Research Institute of Orchard *)
TITLE : Biological and Agrotechnical Principles of the Treatment
of Black Canker in Apple Trees (*Sphaeropsis malorum* Peck)
ORIG. PUB. : Tr. Mold. n.-i. in-t sadovodstva, vinogradarstva i
vinsdeliya, 1957, 3, 267-271
ABSTRACT : The greatest affection of apple trees with black canker
has been noted toward the end of their ontogenesis when
the vital functions of the trees are weakened and the de-
velopment of the infection during this time proceeds
especially intensively. In early spring, it is recom-
mended to perform the cleaning up of the wounds as far as
the healthy tissue with their subsequent disinfection.
The cleaning up should be done in the period preceding
*) Cultivation, Viticulture, and Wine Making.

CARD: 1/2

17

PATERILO, G. A.

"Summer Spraying of Seedling Gardens to Combat Black Danker", *Vinogradarstvo*, No. 3, pp 44-45, 1950.