

VISYULINA, G. D.

Lemnaceae

Duckweed family - Lemnaceae Dumort, Flora URSS 3, 1950

Monthly List of Russian Accessions, Library of Congress, July 1952. Unclassified.

VISYULINA, G. D.

Araceae

Arum family - Araceae Neck. Flora URSR 3, '50

Monthly List of Russian Accessions, Library of Congress, July 1952. Unclassified.

VISTULINA, O.D.

Table for identifying families of dicotyledons. Flora USSR 4:5-16
'52. (MLRA 7:12)

(Ukraine--Dicotyledons)

VISYULINA, O.D.

www.cia.gov/library/publications

Hornwort family--Ceratophyllaceae A. Gray. Flora URSS 5:10-13
'53. (MLRA 7:12)
(Ukraine--Hornworts)

VISYULINA, O.D.

Buttercup family--Ranunculaceae Juss. Flora URSS 5:14-152 '53.
(Ukraine--Buttercups)

VISTULINA, O.D.

Barberry family--Berberidaceae Torr. et Gray. Flora URSR 5:152-155
'53. (MLRA 7:12)

(Ukraine--Barberries)

VISTULINA, O.D.

On the occurrence of branched forms of rye and wheat in the Ukraine in the 19th century. Bot.zhur.[Ukr.] 10 no.2:61-65 '53. (MLRA 6:6)

1. Instytut bctaniky AN URSR. Viddil vyshchykh roslyn.
(Ukraine - Wheat) (Ukraine - Rye)

VISYULINA, O.D.

ZEROV, D.K., redaktor; KOTOV, M.I., professor, doktor biologichnikh nauk;
KLOKOV, M.V., professor, doktor biologichnikh nauk; VISYULINA, O.D.
kandidat biologichnikh nauk; BARBARICH, A.I., kandidat biologichnikh
nauk; KRILOVSKAYA, N.S., tekhredaktor

Rose family. A.I. Barbarich and others. Flora URSS no. 6:5-300 '54.
(MIRA 8:11)

1. Dlysniy chlen Akademii nauk URSS (for Zerov)
(Ukraine--Roses)

ZEROV, D.K., redaktor; KOTOV, M.I., professor, doktor biologichnikh nauk;
KLOKOV, M.V., professor, doktor biologichnikh nauk; VISYULINA, O.D.
kandidat biologichnikh nauk; BARBARICH, A.I., kandidat biologichnikh
nauk; KRILOV'S'KA, N.S., tekhredaktor

Legume family. A.I. Barbarich and others. Flora URSR no. 6: 301-573
'54. (MLRA 8:11)

1. Diysniy chlen Akademii nauk URSR (for Zerov)
(Ukraine--Leguminosae)

VISYULIN, O.D.

Quassia family. Flora URSR 7:98-99 '55. (MIRA 9:7)
(Ukraine—Quassia)

VISYULINA, O.D.

Olive family - Oleaceae Lindl. Flora URSR 8:187-218 '57. (MIRA 11:6)
(Ukraine--Olive)

VISYULINA, O.D.

Gentian family - Gentianaceae Dumort. Flora URSS 8:221-260 '57.
(MIRA 11:6)

(Ukraine--Gentians)

VISYULINA, O.D.

Dogbane family - Apocynaceae Lindl. Flora URSS 8:260-269 '57.
(Ukraine--Dogbane)

(MIRA 11:6)

VISYULINA, O.D.

Milkweed family - Asclepiadaceae Lindl. Flora URSS 8:270-287

'57.

(MIRA 11:6)

(Ukraine--Milkweed)

VISYULINA, O.D.

Morning-glory family - Convolvulaceae Juss. Flora URSR 8:287-322
'57. (MIRA 11:6)
(Ukraine--Morning-glories)

VISYULINA, O.D.

~~Waterleaf family - Hydrophyllaceae Lindl. Flora URSS 8:326-328~~
'57. (MIRA 11:6)

(Ukraine--Waterleaf)

VISYULINA, O.D.

Vervain family - Verbenaceae Juss. Flora URSR 8:514-520 '57.
(MIRA 11:6)

(Ukraine--Vervain)

VISYULINA, O.D.

The nightshade family (Solanaceae Benth. et Hook.). Flora
URSR 9:364-404. (MIRA 13:11)

(Ukraine--Nightshade)

VISYULINA, O.D. doktor biolog.nauk

Bladderwort family (Lentibulariaceae Lindl.) Flora URSR 10:57-67 '61.
(MIRA 14:3)

(Ukraine--Bladderwort)

VISYULINA, O.D., doktor biolog.nauk

Plantain family (Plantaginaceae Lindl.). Flora URSS 10:69-90 '61.
(MIRA 14:3)

(Ukraine--Plantain)

VISYULINA, O.D., doktor biolog.nauk

Family Cucurbitaceae Juss. Flora URSR 10:380-399 '61.
(Ukraine—Vine crops)

(MIRA 14:3)

VISYULINA, O.D. doktor biolog.nauk.

Bellflower family (Campanulaceae Juss.). Flora URSR 10:399-452 '61.
(MIRA 14:3)

(Ukraine--Bellflower)

VISYULINA, O.D., doktor biolog.nauk

Lobelia family (Lobeliaceae Juss.). Flora URSR 10:452-453 '61.
(MIRA 14:3)

(Ukraine--Lobelia)

BARBARICH, A.I.[Barbarych, A.I.], kand. biol. nauk; BRADIS, Ye.M.,
doktor biol. nauk; VISYULINA, O.D., doktor biol. nauk;
VOLODCHENKO, V.S.; DOEROCCHAYEVA, D.M., kand. biol. nauk;
KARNAUKH, Ye.D.; KATINA, Z.F., kand. biol. nauk; KOTOV,
M.I., doktor biol. nauk; KUZNETSOVA, G.O.[Kuznetsova, H.O.],
kand. biol. nauk; OLYANITSKOVA, L.G.[Olianits'ka, L.H.];
OMEL'CHUK, T.Ya., kand. biol. nauk; FOYARKOVA, O.M.;
PROKUDIN, Yu.M., doktor biol. nauk; PROTOPOPOVA, V.V.;
SLYUSARENKO, L.N.; SHOLKO, S.S.; KHRZHANOVSKIY, V.G.
[Khrzhanovs'kyi, V.H.], doktor biol. nauk; ZERCOV, D.K.
akademik, otv. red., ONISHCHENKO, L.I., red.

[Key for the identification of plants in the Ukraine] Vyz-
nachnyk roslyn Ukrainy. Vyd.2., vypr. 1 dop. Kyiv, Urozhai,
1965. 876 p. (MIRA 18:9)

1. Akademiya nauk URSR, Kiev. Instytut botaniky. 2. AN Ukr.SSR
(for Zerov). 3. Moskovskaya sel'skokhozyaystvennaya akademiya
im. K.A.Timiryazeva (for Khrzhanovskiy).

VISYULINA, Ye.D. [Visiulina, O.D.]; TIKHVINSKAYA, V.D. [Tikhvins'ka, V.D.]

Biology of the peppergrass *Lepidium perfoliatum* L. Ukr.bot.
zhur. 16 no.3:42-45 '59. (MIRA 12:8)
(Peppergrass)

VISYULINA, Ye.D. [Visiulina, O.D.]

Cauliflory in the apricot (*Armeniaca Tourn.*). Ukr. bot. zhur.
21 no.4:106 '64. (MIRA 17:11)

1. Otdel vysshikh rasteniy Instituta botaniki AN UkrSSR.

VISYULINA, Ye. D.

VISYULINA, Ye D. - " Leguminous Flora of the Ukrainian SSR and Their National-Economic Significance." Acad Sci Ukrainian SSR, Inst. Botony, Kiev, 1955
(Dissertations for the Degree of Doctor of Biological Sciences)

SO: Knizhnyy letopis' - No. 33, 1955, pp 85-87

TERPILO, Nastas'ya Ivanovna, kand. biolog. nauk; VISYULINA, Ye.D.,
red.; CHUCHUPAK, V.D., tekhn. red.

[Anatomic atlas of medicinal plants] Anatomicheski atlas le-
karstvennykh rastenii. 2., perer. i dop. izd. Kiev, Gos. med.
izd-vo USSR, 1961. 361 p. (MIRA 15:3)
(BOTANY, MEDICAL)

CSERMELY, Ferenc, dr.; VISZLAY, Kocsard, dr.

Hemoptysis followed by arterial air embolism. Tuberkulozis 13
no.9:281-283 S '60.

1. A Pécsi Orvostudományi Egyetem I. sz. Belklinikájának
(igazgató: Angyan János dr. egyet. tanár) és Kórházi
Intézetének (igazgató: Romhányi György dr. egyet. tanár)
Közleménye

(HEMOPTYSIS compl.)

(PULMONARY EMBOLISM etiol.)

ANYISZIMOV, Sz. [Anisimov, S.] (Szovjetunio); VISZLOBOKOV, A. [Vislobokov, A.]
(Szovjetunio)

Falsification efforts in connection with cybernetics. Term
tud kozl 4 no.7:319-321 J1 '60.

ANYISZIMOV, Sz. [Anisimov, S.] (Szovjetunio); VISZLOBOKOV, A.
[Vislobokov, A.] (Szovjetunio)

What is cybernetics? Term tud kozl 4 no. 6:251-254 Je '60.

VISZLOUH, L.A. [Visloun, L.A.], okleveles gepeszmernok; LQMAGIN, N.A.,
a muszaki tudomanyok kandidatusa (Moszkva); ARATO, Karoly
[Translator]

Railroad electrification in socialist countries. Kozl tud
sz 13 no.7:285-291 J1 '63.

VISZLOY, Kocsard, dr.; DAROCZY, Gyula, dr.

Plasmocytoma of the lung. Orv.hetil. 101 no.29:1033-1035
17 J1 '60.

1. Pécsi Orvostudományi Egyetem, Korbonctani Intézet es I. sz.
Sebészeti Klinika

(LUNG NEOPLASMS case reports)

(MYELOMA PLASMA CELL case reports)

VISZ NIDW 51 K

Distri: LE2c ⁷

✓ Lithium aluminum hydride and sodium aluminum hydride. Jaroslav Vit, Vladimír Procházka, and František Petrš (Vys. škola chem. technol. Prague). *Chem. průmysl* 10, 183-7 (1930). — Br (600 ml.) was slowly dropped onto 210 g. of Al mixed with the same vol. of silica. $AlBr_3$ (2000 g. yield) was sepd. by distn. in a N atm. at reduced pressure. Et_2O (1500 ml.) previously dried with Na-K alloy and distd. from NaH was boiled 0.5 hr. with 0.1-0.2 mole of $MeMgBr$. From this soln. Et_2O was distd. onto 160 g. LiH (20 moles) until 100 ml. remained in the still. Into this soln. was slowly dropped a soln. of $AlBr_3$ in C_6H_6 prepd. as follows: 1000 ml. of C_6H_6 distd. from NaH was poured into 1067 g. melted $AlBr_3$, and the brown-violet color of this soln. was removed by a short boiling with LiH or NaH. When $1/3$ of the $AlBr_3$ soln. had been added to the LiH soln., an addnl. 600 ml. of Et_2O was distd. from $MeMgBr$ into the reaction mixt. during addn. of the remaining $AlBr_3$ soln. The reaction mixt. was then cooled and centrifuged. From the separated soln. solvent was distd. on the water bath at atm. pressure. Cryst. LiBr was removed and the remainder of the solvent was distd. off at 90° and 10-20 mm. Hg pressure. All operations were carried out in an atm. of dry N. The yield was 135-140 g. $LiAlH_4$ of purity <98%. $NaAlH_4$ was prepd. in the same way except for the substitution of tetrahydrofuran in equal amt. for C_6H_6 ; 480 g. of NaH was used. The reaction can be initiated with $LiAlH_4$. The yield was 130-140 g. of $NaAlH_4$ which decompd. at 190° . About 60 g. of $NaAlH_4$ is in the centrifuged solid and can be extracted with tetrahydrofuran. The reactions of $NaAlH_4$ with BCl_3 , $AlCl_3$, $SiCl_4$, $TiCl_4$, $SbCl_5$, PCl_5 , $AsCl_3$, $SbCl_3$, $B(MeO)_3$, $P(EtO)_3$, solid CO_2 , CS_2 , and I were studied; they were generally the same as those with $LiAlH_4$.

P. Čefelka—

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VISZT, Jozsef

MICHAILOVITS, Lehel, dr.; ROZSA, Jozsef, dr.; VISZT, Jozsef, dr.

Therapy of tuberculous vertebral inflammations. Orv. hetil.
98 no.13:331-333 31 Mar 57.

1. A Csongrádmegyei Tanács C. szent Tbc. Gyógyintézeté, Debrecen
(igazgató-őorvos: Michailovits, Lehel, dr.) közleménye.
(TUBERCULOSIS, SPINAL, surg.
indica in relation to chemother. (Hun))

LELEK, Imre, dr.; VISZT, Jozsef, dr.

Camurati - Engelmann disease. Orv. hetil. 103 no.5:208-212 F '62.

1. Szegedi Orvostudományi Egyetem, Röntgen Klinika és II Sebészeti
Klinika.

(BONE DISEASES in inf. & child.)
(RICKETS complications)

VISZT, Jozsef, dr.

A case of vaginal anus complicated by megacolon. Orv. hetil. 102
no.51:2432-2434 17 D '61.

1. Szegedi Orvostudományi Egyetem, II Sebészeti Klinika.

(ANUS abnorm) (MEGACOLON complications)

VIT, E.

Cleaning tests to ascertain the degree of exploitation of raw materials. p. 136.

(Textil. Vol. 12, no. 4, Apr. 1957. Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (MEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

VIT, E.

How to establish consumer prices in the cotton industry. p. 79. (Textil, Praha,
Vol. 9, no. 3, Mar. 1954)

SO: Monthly list of East European Accessions (EEAL), LC Vol 4, No. 6, June 1955. Uncl

VIT, Evzen; ANDERLIK, Michal; PROCHAZKA, Jaroslav

Defrosting vat for cable work in frozen soil. Energetika Cs
13 no.6:339 Je '63.

1. Ustredni sprava energetiky, Praha (for Anderlik).
2. STE Praha (for Vit and Prochazka).

VIT, E.F.,
V. N. MESHCHISHEN, (Ogneupory 16, 130, 1951)

VIT, V. I.
V. N. SHEKHACHEN, Ogneupry, 15 (10) 441-46 (1950)

VIT, J.

Automatic calibration by optical means. p.37 (Sdelovaci Technika. Vol. 5, no. 2,
Feb. 1957. Czechoslovakia.)

SO: Monthly List of East European Accession (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

"APPROVED FOR RELEASE: 09/01/2001

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APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001860110015-8"

VIT, J.

3)
 Metal hydrides. II. Reaction of alkali metals with hydrogen at higher pressures and temperatures. Stanislav Landa, František Petrš, Jiří Mostecký, Jaroslav Vít, and Vladimír Procházka (Vys. škola chem.-technol., Prague), *Chem. listy* 52, 1357-9(1958); cf. Czech. 80,722 (C.A. 52, 6737e).—KH, NaH, and LiH were prepd. in quant. yields by hydrogenating in a 2E00 ml. stainless-steel rotating autoclave 10 g. atoms of K, Na, and Li, resp., in the presence of 0.1% WS₂ (prepn., cf. C.A. 50, 771d) or MoS₂ (prepn., cf. C.A. 50, 13854d) at 120 atm. and 140-160°. Local overheating destroys the activity of catalyst. In the case of KH and NaH (not LiH) it is necessary to heat at the end of 250° and 360°, resp., to obtain a stable product. The hydrides prepd. are pure enough to be used in the synthesis of complex hydrides. Jiří Pliml

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Distr: 4E2c/4E3c

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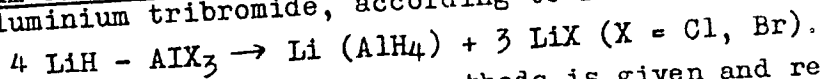
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E112/E253

5.2200(8)

AUTHORS: Vít, J., Procházka, V., and Petřů, F
TITLE: About Lithium- and Sodium-Aluminium Hydride 2
PERIODICAL: Chemický průmysl, 1960, Nr 4, pp 183-187

ABSTRACT: The authors have studied the preparation of sodium- and lithium-aluminium hydride from lithium or sodium hydride and aluminium tribromide, according to reaction:



A critical survey of existing methods is given and reasons for discrepancies in yield and quality of product are analysed. It is held, that these can be accounted for by two main factors: A) presence of traces of moisture in the reactants and B) inactivation of the surface of lithium- or sodium hydride. The inactivation is explained by lack of solubility of lithium chloride in the reaction medium, which may lead to sedimentation on the surface of lithium hydride. As a result of these considerations and their own preliminary studies, the authors have given preference to aluminium tribromide as a starting material for their synthesis. Aluminium tribromide has also better solubility characteristics in benzene, than aluminium trichloride. X

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About Lithium- and Sodium-Aluminium Hydride

In preliminary preparative studies the two compounds were prepared as follows: 1) The lithium compound was produced by reacting a solution of aluminium tribromide, dissolved in benzene, with lithium hydride, using diethylether as reaction medium. 2) The sodium derivative was synthesised from aluminium tribromide in benzene and sodium hydride using tetrahydrofurane as reaction medium. The mixture of benzene and tetrahydrofurane are the subject of Czechoslovak Patent 89.103 (15.3.1959). Diethyl ether has been found unsuitable, because the sodium aluminium hydride is decomposed in its presence. The importance of completely anhydrous conditions is again emphasized. If these conditions are adhered to, the addition of reaction catalysts can be dispensed with. It is pointed out that particularly in the preparation of sodium aluminium hydride the presence of free bromine, which could be formed from oxygen and aluminium tribromide, has a very deleterious effect on yields. It is therefore essential to carry out the reaction in an atmosphere of nitrogen, which had been

Card 2/4 previously freed from traces of oxygen. The authors have

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About Lithium- and Sodium-Aluminium Hydride

studied the separation of lithium and sodium aluminium hydride from the respective reaction mixtures and have also studied the solubility of sodium aluminium hydride in a mixture of benzene and tetrahydrofuran. They have established that the solubility of the product was 4.5 grms in 100 cc of the solvent consisting of two parts by volume of tetrahydrofuran to one part by volume of benzene. Sodium-aluminium hydride was obtained by crystallisation from this mixture in colourless tetragonal crystals of up to a few mms in size. The crystallography is described in another Czechoslovak publication. The authors warn against the danger of explosion at the final drying of sodium aluminium hydride in vacuo. As a result of small-scale trials the authors then describe larger experiments, based on approximately 20 molar proportions. Experimental details and sketches of equipment are provided. The starting material, lithium hydride and sodium hydride were prepared according to Czechoslovak Patent 86.722. Aluminium tribromide was prepared according to Inorganic Syntheses, Volume III, page 30. The drying of the solvents is described in great detail. For the preliminary drying an

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About Lithium- and Sodium-Aluminium Hydride

alloy K-Na (60% to 40%) is suggested. The final drying is carried out either with lithium aluminium hydride as such, or with freshly prepared Grignard reagent. The yields of lithium-aluminium hydride and sodium-aluminium hydride were 89 to 92% and 88 to 93% respectively. A table illustrating some reactions of sodium-aluminium hydride is given.

Acknowledgments are expressed to T. Bartovský and P. Henger for their assistance in carrying out the here-described experimental work. There are 4 figures, 1 table and 33 references, 19 of which are English, 2 Soviet, 5 German, 3 French, 3 Czech and 1 Belgian.

ASSOCIATION: Katedra anorganické chemie, Vysoká škola chemicko-technologická, Praha (Department of Inorganic Chemistry, University of Chemical Technology, Prague)

SUBMITTED: December 15, 1959

Card 4/4

PITHA, J.; HERMANEK, S.; VIT, J.

Reduction of carboxylic acid and its derivatives with sodium-aluminum hydride. Coll Cz chem 25 no.3:736-742 Mr '60. (EEAI 9:12)

1. Laboratorium fur heterocyclische Verbindungen, Prag, Forschungsinstitut fur Heilpflanzen, Prag und Technische Hochschule fur Chemie, Prag.

(Carboxylic acids)
(Aluminum sodium hydride)

VIT, J.

Industrial metal thyratrons, p. 229. ELEKTROTECHNICKY
OBZOR. (Ministerstvo strojirenstvi a Ministerstvo paliv
a energetiky) Praha.
Vol. 45, no.5, May 1956.

SOURCE: EEAL IC Vol. 5, No. 10 Oct. 1956

VIT, L.
1. L. KONDAKOV, *Chem. Listy*, 1929, 23, 579-587, 597-608

VIT, L.
I. I. KONDAKOV, Chem. Listy, 1930, 24, 1-8, 26-31

VIT, Milos

Automatic heating of shops. Energetika Cz 12 no.5:251
My '62.

1. Leninovy zavody, n.p., Plzen.

PLESKOT, F.; PROCHAZKOVA, V.; VIT, R.

Activation of the EEG by Pentothal (thiopental). Cas. lek. cesk.
103 no.39:1087-1091 25 S '64.

1. Neurologické oddělení Ústřední vojenské nemocnice v Praze
(vedoucí MUDr. F. Pleskot).

VIT, R. [Wit, R.]

Permissible rate of decrease of the forward scattering amplitude
at high energies. Zhur. eksp. i teor. fiz. 49 no. 2:538-541 Ag
'65. (MIPA 1849)

1. Ob'yedinennyy institut yе'ernykh isledovaniy i Yagellonskiy
universitet, Krakov, Pol'sha.

PROCHAZKOVA, V.; VIT.R.; SVACINA, J.

Comparison of the results of gamma encephalography and electro-
encephalography in intracranial expansive processes. Cesk. neurol.
27 no.3:172-175 My'64

1. Neurologické oddelení UVN v Praze; vedoucí :MUDr. F.Fleskot.

VIT, Robert, podplukovník MUDr.

The dynamic picture of diskopathies in the electromyographic picture. *Voj. zdrav. listy* 34 no.3:117-119 Je '65.

1. Neurologické oddělení Ústřední vojenské nemocnice v Praze
(náměstník MUDr. F. Pleskot).

VIT, Robert, dr. (Czechoslovakia)

Here is the Z + H expedition. (To be contd.). Auto motor 15
no.24:7 21 D '62.

VIT, Robert, dr. (Czechoslovakia)

Hello! Here is the Z + H expedition. (To be contd.). Auto motor
13 no.21:7 1 N '60.

VIT, Robert, dr. (Czechoslovakia)

Here is the Z + H expedition. (To be contd.) Auto motor 14
no.17:7 S '61.

VIT, Robert, Dr.

Here is the I+H expedition...(To be contd.)
Auto motor 15 no.2:7 Ja '62.

VIT, Robert, dr. (Czechoslovakia)

Here is the Z+H expedition. (To be contd.) Auto motor
15 no.9:7 My '62.

VIT, Robert, dr. (Czechoslovakia)

Here is the Z / H expedition. (To be contd.) Auto motor 15 no.19:
7 0 '62.

VIT, R.; KHALUPA, O.

Ganzelka and Zikmund expedition (to be continued). Za rul.
19 no.11:30-31 N '61. (MIRA 14:12)
(Automobiles--Touring)

VIT, Robert, dr. (Czechoslovakia)

Here is the Z+H expedition. (To be contd.) Auto motor
15 no.18:7 21 S '62.

VIT, Robert, dr. (Czechoslovakia)

Here is the Z + H expedition. Pt. 59. Auto motor 16 nc. 2:7
2Y Ja '63.

VIT, Robert, dr. (Czechoslovakia)

Here is the Z+H expedition. (To be contd.) Auto motor
15 no.11:9 6 Je '62.

VIT, Robert, dr. (Czechoslovakia)

Here is the Z H expedition. Pt.62. Auto motor 16 no.9:7 6 My '63.

VIT, Robert, dr. (Czechoslovakia)

Here is the Z+H expedition. Auto motor 16 no.11:6
6 Ja '63.

VIT, Robert, dr. (Czechoslovakia)

~~Here is the Z + H expedition. Pt. 63. Auto motor 16 no.13:7~~
6 JI '63.

VIT, Robert, dr. (Czechoslovakia)

Here is the Z+H expedition. Pt. 64. Auto motor 16 no.15:8
6 Ag '63.

VIT, Robert, dr. (Czechoslovakia)

Here is the Z + H expedition. (To be contd.). Auto motor 15
no.16:6 21 Ag . '62.

VIT, Robert, dr. (Czechoslovakia)

Here is the Z+H expedition. (To be contd.) Auto motor
14 no.19:7 0 '61.

VIT, Robert, dr. (Czechoslovakia)

Here is the Z+H expedition. (To be contd.) Auto motor
14 no.18:7 S '61.

VIT, R.; KHAIKHA, C.

Ganzelka and Sigmond (to be continued). 2a rel.
19 no. 9:28-29 S 131. (CIA 14,10)
(Automobile: Touring)

VIT, Robert, dr. (Czechoslovakia)

Here is the 3rd expedition. (To be contd.) Auto motor 14 no.13:6
6 J1 '62.

VIT, Robert, dr. (Czechoslovakia)

Here is the Z + H expedition. (To be contd.) Auto motor 15 no.14:7
21 J1 '62.

VIT, Robert, dr. (Czechoslovakia)

Here is the Z+H expedition. (To be contd.) Auto motor 15 no.12:7
21 Je '62.

VIT, Robert, dr. (Czechoslovakia)

Here is the Z/H expedition. Pt.61. Auto motor 16 no.8:7 21 Ap '63.

VIT, Robert, dr. (Czechoslovakia)

Here is the Z +H expedition. (To be contd.). Auto motor 15 no.22;
9 21 N '62.

VIT, Robert, dr. (Czechoslovakia)

Here is the Z + H expedition. (To be continued); Auto motor 16
no.5:7 6 Mr '63.

VIT, Robert, dr.

Here is the Z+H expedition. Auto motor 14 no. 8:7 Ap'61.

VIT, Robert, dr.

Here is the Z+H expedition. (To be contd.) Auto motor 14 no. 9:7 My '61.

L 5351-66 EWT(m)/T/EWA(m)-2

ACCESSION NR: AP5021118

UR/0056/65/049/002/0538/0541

AUTHOR: Vit, R.

23
19
B

TITLE: On the permissible rate of decrease of the forward scattering amplitude at high energies

SOURCE: ¹⁹ Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 49, no. 2, 1965, 538-541

TOPIC TAGS: scattering amplitude, pion scattering, proton scattering

ABSTRACT: The author shows that the necessary conditions derived by J. S. Jin and A. Martin (Phys. Rev. v. 135, B1369, 1964) for the convergence of certain integrals in the expressions for the forward scattering amplitude are not the best possible conditions, and that it is possible to obtain better results by using the Phragmen-Lindelof theorem and the theory of Herglotz functions. In the particular case of the amplitude of π^+ p scattering it is shown that the scattering amplitude cannot increase at infinity more rapidly than ω^2 (ω is the

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ACCESSION NR: AP5021118

energy of the incident meson in the laboratory system) It is also shown that if the amplitude is bounded by a polynomial at high energies, then the number of zeroes of the amplitude is finite. The discussion is then applied to the proof of incompatibility of two-particle unitarity and analyticity in the Lee model (without form factors). It is concluded that the Phragmen-Lindelof theorem offers not only simplification of the proofs but also important improvements in the earlier results. 'I thank L. T. Todorov and Nguyen Van Kh'yeu for useful discussions, and B. Slowinski for a careful reading of the manuscript.' Orig. art. has: 15 formulas

ASSOCIATION: Jagiellonian University, Cracow, Poland

SUBMITTED: 16Jan65

ENCL: 00

SUB CODE: GP,NP

NR REF SOV: 004

OTHER: 009

Card 2/2 *md*

VIT, R.; KHALUPA, O.

Ganzelka and Zikmund's expedition (to be continued). Za rul. 19
no. 2:28-29 F '61. (MIRA 14:4)

(Automobiles--Touring)

VIT, R.; KHALUPA, O.

Ganzelka and Zigmund expedition (to be continued). Za rul. 19
no.5:30-31 My '61. (MIRA 14:7)

(Automobiles--Touring)

S/262/62/000/010/024/024
1007/1207

AUTHOR: Vit, Rich and Svorc, Bohuslav

TITLE: Two-channel cock

PERIODICAL: Referativnyy zhurnal, otdel'nyy vypusk. 42. Silovyye ustanovki, no. 10, 1962, 88, abstract 42.10.562. P. Czech. patent, class 47 g, 48/02. no. 96440, August 15, 1960

TEXT: A patent has been issued for a cock mounted on the fuel-cell bottom and provided at its inlet with two channels which may be alternately connected. One of these channels may be fitted with a pipe, which permits complete emptying of the fuel cell. Both channels are connected within the cock to seats which, if necessary, are covered by elastic mushroom-type valves. The valves are controlled by rotating a shaped handle, the rotational motion being transmitted to the valves through a diaphragm which ensures full tightness of the cock. The cock permits three positions: closed; connection of channel "one"; connection of channel "two".

[Abstracter's note: Complete translation.]



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VIT, Robert, dr.

The Z+H expedition is here. (To be contd). Auto motor 15 no.6:
Mr '62.

VIT, Robert, dr.

Here is the Z+H expedition. (To be contd.) Auto motor 15 no.3:7
F '62.

VIT, R.; KHALUPA, O.

Expedition of Ganzelka and Zikmund (to be continued). Za rul. 18
no.10:28-29 0 '60. (MIRA 14:1)

(Automobiles—Touring)

EXCERPTA MEDICA Sec 8 Vol 12/12 Neurology Dec 59

(VIII, 5, 10)

8035. THE THERAPEUTICAL VALUE OF AIR INSUFFLATION IN DISC HERNIATION - Léčeb-
ný význam vzduchové insuflace u vyhržů meziobratlové ploténky - Vít R. - CSL. NEUROL.
1958, 21/2 (110-114)

A preliminary report on the favourable therapeutic effect of air insufflation into the spinal canal
in cases of lumbar disc herniation. Good results amounted to 85%.
(VIII, 9, 14, 19)

EXCERPTA MEDICA Sec 9 Vol 13/4 Surgery Apr 59

1754. (553) THE THERAPEUTICAL VALUE OF AIR INSUFFLATION IN DISC
HERNIATION - Léčebný význam vzduchové insuflace u výhřezů meziobrat-
lové ploténky - Vit R. - ČSL. NEUROL. 1958, 21/2 (110-114)
A preliminary report on the favourable therapeutic effect of air insufflation into
the spinal canal in cases of lumbar disc herniation. Good results amounted to 85%.
(VIII, 9, 14, 18)

VIT, R.; KHALUPA, O.

Ganzelka and Zikmond's expedition (to be continued). Za rul. 18
no.11:28-29 N'60. (MIRA 13:11)

(Automobiles--Touring)

VIT, R.; KHALUPA, O.

Expedition of Ganselka and Zikmund (to be continued). Za
rul. 18 no. 12:28 D '60. (MIRA 14:1)
(Automobiles--Teuring)

VIT, R.; KHALUPA, O.

Expedition of Ganselka and Zikmund. Za rul. 18 no.4:30-31 Ap '60.
(MIRA 13:8)
(Albania--Automobiles--Touring)

VIT, R.; KHALUPA, O.

Expedition of Ganzelka and Zikmund (to be continued). Za rul. 18
no.7:25 JI '60. (MIRA 13:10)

(Automobiles---Touring)

VIT, R.; CHALUPA, O.

"Through five parts of the world. p. 282."

SVET MOTORU. Praha, Czechoslovakia, Vol. 13, No. 9, April 1959

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