

CA 15A

Growth stimulants as factors in root formation and growth of transplanted trees. V. P. Yezhov. *Zhur. Obshch. Biol.* 11, 120-30 (1924). Linden transplants, treated with heteroauxin (5 or 10 p.p.m.), 4-naphthyl acetic acid (10 p.p.m.) or 2,4-D (1 or 10 p.p.m.) grow root systems 100-207% wider than those of controls.

Julian P. Smith

VERZILLOV, V. F.

Growth (Plants)

New sphere of utilization of stimulants to plant growth. Priroda, 41, no. 8, 1952.

9. Monthly List of Russian Accessions, Library of Congress, November 1958₂, Unclassified.

VERZILLOV, V. F.

Dissertation: "Biological Bases for the Use of Growth Stimulators in the Trans-plantation of Trees." Dr Biol Sci, Inst of Forestry, Acad Sci USSR, Moscow, Oct-De: 53. (Vestnik Akademii Nauk, Moscow, Jun 54) (Source gives brief summary of work.)

SO: SUM 318, 23 Dec 1954

VERZILOV, V.F.; RUNKOVA, L.V.

Use of the preparation S-600 for summer transplanting of trees and shrubs. Biul. Glav. bot. sada no.54:85-89 '64.

(MIRA 17:11)

1. Glavnyy botanicheskiy sad AN SSSR.

2220 Verzilov, V. F.

Primeneniye Stimulya Torov Rosta Pri Pyeryesadkye Dryevyesnykh Rastenyi.
M. Goskul'tprosvyetzdat, 1954. 20 s. s Ill. 22 sm. (Vsyeyesoyuz. S.-Kh.
Vystauka). 8.000 EKZ. 25k.-Na Obl. Avt. Nye Ukazan.-
(54-56526)p

635.977+634:94) : 631.547

VERZILOV, V.F.

Growth promoting substances and their use in landscape gardening. Biol.
Glav.bot.sada no.20:57-61 '55. (MIRA 8:9)

1. Glavnyy botanicheskiy sad Akademii nauk SSSR.
(Growth promoting substances)

VERZILOV, V.F.

USSR/Biology - Book review

Card 1/1

86 - 37/39

Authors :

Verzilov, V. F., Dr. Biol. Sc.

Title :

Marked atoms in researching the scientific bases of the
nourishing of plants

Periodical :

Priroda 44/3, 125 - 126, Mar 1955

Abstract :

A review is made of the book, "Marked Atoms in Researching
the Scientific Bases of the Nourishing of Plants," by
Academician A. L. Kursanov, published by the Publishing Office
of the Academy of Sciences of the USSR, in 1954 and containing
29 pages. The method by which atoms are made radioactive
and then traced is explained. The book is generally rated
good.

Institution :

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Submitted :

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VEREILOV, V.P.

Development of I.V. Michurin's theories on stimulating substances.
Biol. Glav. bot. sada no. 25:19-23 '56. (MIRA 10:1)

1. Glavnyy botanicheskiy sad Akademii nauk SSSR.
(Growth promoting substances)

VERZILOV, V.F.; doktr biologicheskikh nauk; MURINSON, B.Yu.

Using plastic films and growth promoting substances in vegetative propagation. Priroda 46 no.2'89-91 F '57. (MLRA 10:3)

1. Glavnyy botanicheskiy sad Akademii nauk SSSR, Moskva 'for Murinson)
(Growth promoting substances)
(Plant propagation)

BLAGOVESHCHENSKIY, Andrey Vasil'yevich; VERZILOV, V.F., doktor biol.nauk,
otvetstvennyy red.; BUNDEL', A.A., red.izd-va; MOSKVICHEVA, N.I.,
tekhn.red.

[Biochemistry of nitrogen metabolism in plants] Biokhimiya obmena
azotsoderzhashchikh veshchestv u rastenii. Moskva, Izd-vo Akad.
nauk SSSR, 1958. 345 p. (MIRA 11:5)

(Nitrogen metabolism) (Plants--Metabolism)

17(4)

AUTHORS:

Verzilov, V. P., Runkova, L. V.

SOV/20-124-2-63/71

TITLE:

The Effect of Environmental Conditions Upon the Intensity of Respiration in Cuttings Treated With Heteroauxin (Vliyaniye usloviy sredy na intensivnost' dykhaniya cherenkov, obrabotannykh geteroauksinom)

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 124, Nr 2, pp 466 - 468 (USSR)

ABSTRACT:

The growth stimulants have a particularly strong activating effect upon the physiological processes in the lower internodes of the treated cuttings (Refs 2, 3). According to some publications the morphology of the cuttings is changed by the conditions of taking roots (Ref 4). In 1955-1957 the authors investigated the effect of the following factors upon the cuttings: temperature and light, as mentioned in the title. The experiment was carried out with 12 day old bean seedlings under glass house conditions. The cut off cuttings were put into a 0.01 % solution of heteroauxin potassium salt at 16-17° during 6 hours. Then a part of the cuttings was implanted at 12-14° another part at 18-20° for the purpose of rooting.

Card 1/3

The Effect of Environmental Conditions Upon the
Intensity of Respiration in Cuttings Treated With Heteroauxin

SOV/20-124-2-63/71

Each group was exposed to different light conditions: 5000 lk and 20,000 lk. Skazkin and others determined the respiration intensity according to Boysen-Jensen (Boysen-Jensen, Reference 4) at 7 stages (Ref 1): 1. Immediately after the cutting off of the cuttings. 2. Immediately after treatment. 3. One day after treatment. 4. Three days after treatment. 5. Five days after treatment. 6. Seven days after treatment, and 7. 12 days after treatment. Respiration intensity was separately investigated in the upper and lower parts of the cuttings as well as in the leaves. Tables 1 - 4 show the results. They prove that the increase of respiration intensity under the action of heteroauxin with an unchanged temperature background (fon) is due to a more intensive illumination with the same illumination respiration becomes more intensive in the case of higher temperature. The same conditions are responsible for the highest stimulation of root formation by heteroauxin. One of the reasons for this phenomenon is apparently the increase of respiration intensity in the lower parts of the stem. Thus a considerably higher quantity of energy is released. This is the reason for the intensification of the synthetic processes

Card 2/3

The Effect of Environmental Conditions Upon the Intensity of Respiration in Cuttings Treated With Heteroauxin SOV/20-124-2-63/71

which cause an intensive root formation of the cuttings treated with the stimulant. - There are 4 tables and 5 references, 3 of which are Soviet.

ASSOCIATION: Glavnyy botanicheskiy sad Akademii nauk SSSR (Main Botanic Garden of the Academy of Sciences, USSR)

PRESENTED: September 19, 1958, by N. V. Tsitsin, Academician

SUBMITTED: September 14, 1958

Card 3/3

VERZILOV, V.F.; RODIONOVA, N.A.; MIKHELEVA, I.A.

Effect of gibberellic acid on cauliflower. Biul. Glav. bot. sada
no.57:66-69 '65. (MIRA 18:9)

1. Glavnyy botanicheskiy sad AN SSSR.

VERZILOV, V.F.; GORYUNOV, L.V. [deceased]; VORONINA, Ye.P.

Exhibition on the "History of cultivated plants of our homeland"
at the Main Botanical Garden. Biul. Glav. bot. sada no.56:82-89
'64. (MIRA 18:5)

1. Glavnyy botanicheskiy sad AN SSSR.

TSITSIN, N.V., akademik, otv. red.; BYLOV, V.N., red.; VERZILOV, V.F., red.; KUL'TIASOV, M.V., red.; LAPIN, P.I., red.; MALYGIN, Yu.N., red.; OGOLEVETS, G.S., red.; SUKHORUKOV, K.T., red.; CHERKASSKIY, Ye.S., red.; SAFONOV, V.I., red.

[Evolutionary biochemistry of plants] Evoliutsionnaia biokhimiia rastenii. Moskva, Izd-vo "Nauka," 1964. 142 p.
(MIRA 17:4)

1. Moscow. Glavnyy botanicheskiy sad.

VERZILOV, V.F.; MIKHTELEVA, L.A.

Effect of gibberellic acid on the growth and fertility of remountant strawberries. Biul. Glav. bot. sada no.51:93-97 '63. (MIRA 17:2)

1. Glavnyy botanicheskiy sad AN SSSR.

VERZILOV, V.F.; KASPARYAN, A.S.

Effect of gibberellic acid on the morphology of some flowering plants.
Zhur. ob. biol. 21 no.4:308-312 J1-Ag '60. (MIRA 13:7)

1. Glavnyy botanicheskiy sad AN SSSR.
(GIBBERELLINS) (BOTANY—MORPHOLOGY)

VERZILOV, V.F.; RODIONOVA, N.A.

Using gibberellin for increasing orange yields. Biul. Glav. bot.
sada no. 38:100-101 '60. (MIRA 14.5)

1. Glavnyy botanicheskiy sad AN SSSR.
(Gibberellin) (Orange)

VERZILOV, V.F.; UKOLOVA, M.D.; KUCHAYEVA, A.G.

Testing the activity of Soviet gibberellin. Biul.Glav.bot.sada
no.37:52-59 '60. (MIRA 13:11)

1. Glavnyy botanicheskiy sad Akademii nauk SSSR.
(Gibberellins)

L 3771-66 EWT(m) DIAAP GS

ACCESSION NR: AT5023958

UR/0000/65/000/000/0446/0455

AUTHOR: Yarsilov, Ya. Ya.

TITLE: Radio-sedimentation method for the investigation of aerosols

SOURCE: Nauchnaya konferentsiya po yadernoy meteorologii. Obninsk, 1964.
Radioaktivnyye izotopy v atmosfere i ikh ispol'zovaniye v meteorologii (Radio-
active isotopes in the atmosphere and their use in meteorology); doklady
konferentsii. Moscow, Atomizdat, 1965, 446-455

TOPIC TAGS: aerosol, beta particle, radio sedimentation, beta particle counter,
sedimentation

ABSTRACT: A radio-sedimentation method for investigation of radioactive aerosols
is presented. The method is based on the experimental data obtained on β -active
aerosols subjected to centrifugal sedimentation. The aerosol was contained in a
test tube; the β -detector was situated at the bottom of the test tube. A typi-
cal β -sedimentation curve is shown in Fig. 1 on the Enclosure. From the ex-
perimental data an activity distribution function $\phi(r)$, which gives the fraction
of activity associated with particles of radius r , was derived.

Card 1/4

L 3771-66

ACCESSION NR: AT5023958

$$z(D^*, r) = \varphi(r) + \int_r^{r_H} F(D^*, r, q) \varphi'(q) dq + \\ + \int_r^{r_B} [1 - F(D^*, r, q)] \varphi'(q) dq,$$

where $z(D^*, r)$ is some function of D^* , the excess density of the suspension, and r the radius of the particle; r_H and r_B are found from

$$r_H = r \left(\frac{D^0}{D_{MAX}} \right)^{1/3};$$

$$r_B = r \left(\frac{D^0}{D_{MIN}} \right)^{1/3};$$

$F(D, r)$ is the fraction of activity associated with the layer of suspension between ρ and $\rho + d\rho$. It was found that $\phi(r)$ is independent of the particular form of $z(D, r)$, and that for small density fluctuations $\phi(r)$ is identical to that calculated on the basis of a monodisperse suspension; i.e., all particles of which have the same density. An estimate of experimental errors is presented. It is concluded that the mean square deviation from the arithmetical mean of a number of parallel experiments is less than 3%. Orig. art. has: 3 graphs and 13 equations.

Card 2/4

L 3771-66

ACCESSION NR: AT5023958

ASSOCIATION: none

SUBMITTED: 28Apr65

ENCL: 01

SUB CODE: NP, G-C

NO REF SOV: 004

OTHER: 005

Card 3/4

L 3771-66

ACCESSION NR: AT5023958

ENCLOSURE: C1

8

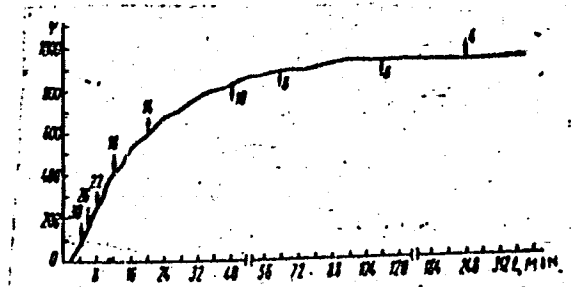


Fig. 1.

ψ -sedimetric curve for an aerosol sample. Arrows indicate the radii of precipitating particles in microns. ψ is the change in the precipitate activity as a function of sedimentation time.

Card 4/4

S/124/63/000/003/050/065
D234/D308

AUTHOR: Verzillov, Yu. N.

TITLE: Theoretical analysis of plastic bending of a narrow beam

PERIODICAL: Referativnyy zhurnal, Mekhanika, no. 3, 1963, 30, abstract 3V209 (Sb. rabot N.-1. in-ta tekhnol. mashinost. Sovnarkhoz Rostovsk. ekon. adm. r-ra, 1961, no. 2, 106-122)

TEXT: The author investigates the pure bending of a beam in the conditions of plane stressed state and finite deformations. Tresca's yield condition is assumed. The material is assumed to be incompressible. The author determines the law of distribution of radial and tangential stresses along the height of the beam, and the position of the neutral layer. The results are intended for use in determining the technological parameters of the operation of bending. / Abstracter's note: Complete translation. /

Card 1/1

VERZILOV, Yu.N.

A method of determining the bending moment during plastic bending
of sheet metal. Kuz.-shtam.proizv. 7 no.2:19-20 F '65.

(MIRA 18:4)

PROCESSES AND PROPERTIES INDEX									
CA Experimental regeneration of used automotive oils. G. R. Verzhikov. <i>Lezgaya Press</i>, 1944, No. 10, 11, 13, 17. The following procedure for regeneration of used oil is recommended for further trials. The oil is filtered through newspaper and the filtrate heated to 230-240° for 15 min. The product has higher flash point and viscosity and contains less insol. matter and moisture. Acidity is essentially absent. G. M. Kozolapoff.									
22									
250-51A DETALLURGICAL LITERATURE CLASSIFICATION									

VERZILLOVA, O. V.

Versilova, O. V. - "On the problem of the nature of somatic subordination", in the collection: Subordinatsiya v nervnoy sisteme i yeye snachenije v fiziologii i patologii, Moscow, 1948, p. 25-65.

So: U-3042, 11 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 7, 1949).

VERZILOVA, O.V.

Verzilova, O.V. and Yurman, M.N. "On the significance of the sympathetic nervous system in subordination in warm-blooded animals", in the collection: Subordinatsiya v nervnoy sisteme i yeye znacheniye v fiziologii i patologii Moscow, 1948, p. 72-76.

SO: U-3042, 11 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 7 1949).

VERZILOVA, O. V.

Verzilova, O. V., Lazarev, V. G., and Magnitskiy, A. N. "Changes in subordination in brain trauma", in the collection: Subordinatsiya v nervnoy sisteme i yeye znacheniye v fiziologii i patologii, Moscow, 1948, p. 110-22, - Bibliog: 7 items.

SO: U - 3042, 11 March 53, (Letopis "Zhurnal "nykh Statey, No. 7, 1949)

VERZILOVA, O.V.

Verzilova, O.V. and Magnitskiy, A.N. "The connection between Bourguignon's relationship and subordination in man", in the collection: Subordinatsiya v nervnoy sisteme i yeye znacheniye v fiziologii i patologii, Moscow, 1948, p. 152-64.

SC: U-3042, 11 March 53, (Letopis 'zhurnal'nykh Statey, No. 7, 1949)

VERZILOVA, O. V.

Verzilova, O. V. "The influence of insulin on subordination", in the collection: Subordinatsiya v nervnoy sisteme i yeye znacheniye v fiziologii i patologii, Moscow, 1948, p. 209-18.

SO: U - 3042, 11 March 53, (Letopis "Zhurnal "nykh Statey, No. 7, 1949)

VERZILOVA, O. V.

Verzilova, O. V. and Magnitskiy, A. N. "The determination of movable chronax as a method of identifying vascular injuries to the limbs", in the collection: Subordinatsiya v nervnoy sisteme i yeye znachenije v fizologii i patologii, Moscow, 1948, p. 23-45.

SO: U - 3042, 11 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 7, 1949).

VERZILOVA, O. V.

Verzilova, O. V. and Shpil'Berg, P. I. "The volt-ampere characteristics of excitability and the influence of contusion on this", in the collection: Subordinatsiya v nervnoy sisteme i yeye znachenie v fiziologii i patologii, Moscow, 1948, p.246-58.

SO: U - 3042, 11 March 53, (Letopis "Zhurnal "nykh Statey, No. 7, 1949)

VERZILOVA, O. V.

PA 16/49T74

USSR/Medicine - Spinal Cord, Physiology Jul/Aug 48
Medicine - Nervous System, Physiology

"Problem of Sechenov's Inhibitory Effect on the Ordinary Rhythm of the Spinal Cord," O. V. Verzilova, A. N. Megnitskiy, Electrophysiol Lab, Inst of Physiol, Acad Med Sci USSR, Moscow, 6 pp

"Fiziol Zhur SSSR" Vol XXIV, No 4

Reports experiments on m. sartorius of frog. Concludes that rhythm of muscular current does not decrease during Sechenov's inhibition. Rhythm of weak muscular current occurring during the later reflex period due to Sechenov's inhibition,

16/49T74

16/49T74

USSR/Medicine - Spinal Cord, Physiology Jul/Aug 48
(Contd)

decreases. This is due, not to a decrease in functional ability of spinal centers but to a decrease in their sensitivity to stimulation during the later reflex period and an increase in their maximum capacity. Submitted 10 Nov 1946.

16/49T74

Name: VERZILOVA-ERDMAN, Ol'ga Vasil'yevna

Dissertation: On the problem of the effect of the central nervous system upon the functional state of the peripheral nervous system and peripheral inhibition

Degree: Doc Biol Sci

Affiliation: Inst of Normal and Pathological Physiology of Acad of Med Sci USSR

Defense Date, Place: 29 Jan 57, Council of Department of Medico-Biol Sci of Acad of Med Sci USSR

Certification Date: 7 Sep 57

Source: BMVO 22/57

VERZILOVA, O.V.; MOSTUN, V.F.; LYUBIMOV, N.N.; ERDMAN, G.M.

Some data on the functional structure of the cortical representation of the auditory analyzer. Trudy Inst. norm. i pat. fiziol. AMN SSSR 6: 18-19 '62 (MIRA 17:1)

1. Institut normal'noy i patologicheskoy fiziologii AMN SSSR, Institut mozga AMN SSSR i Akusticheskiy institut AN SSSR.

VERZILOVA, O.V.

Changes in the electrical activity of the cerebral cortex in the region of auditory and motor analyzer in dogs during the formation and alteration of motor defense reflexes [with summary in English]. Zhur.vys.nerv.deiat. 8 no.3:437-448 My-Je '58 (MIRA 11:8)

1. Elektrofiziologicheskaya laboratoriya Instituta normal'noy i patologicheskoy fiziologii AMN SSSR.

(REFLEX CONDITIONED

eff. of form. of motor defense reflexes on EEG of auditory & motor areas of cerebral cortex (Rus))

(CEREBRAL CORTEX, physiology

auditory & motor areas electrical funct. during form of motor defense conditioned reflexes (Rus))

VERZILOVA, O.V.

Effect of adrenaline stimulation of the diencephalon on the spinal dominant in frogs [with summary in English]. Biul. eksp. biol i med. 45 no.2:12-17 F'58. (MIRA 11:5)

1. Iz elektrofiziologicheskoy laboratorii (i.o. zav. O.V. Verzilova) Instituta norml'noy i patologicheskoy fiziologii (dir. - deystvitel'nyy chlen AMN SSSR prof. V.N. Chernigovskiy) AMN SSSR, Moskva. Predstavlena deystvitel'nyy chlenom AMN SSSR prof. V.N. Chernigovskiy.

(EPINEPHRINE, effects,

diencephalic stimulation, eff. on spinal dominance in frogs (Rus))

(SPINAL CORD, physiology,

dominance, eff. of diencephalic stimulation with epinephrine (Rus))

(DIENTEPHALON, physiology,

eff. of stimulation with epinephrine on spinal dominance in frogs (Rus))

VERZILOVA, O.V.; SKURATOVA, S.A.

Effect of interoceptive stimulation on the development of a domination focus in the spinal cord. Biul. eksp. biol. med. 47 no.2:22-27 F '59.
(MIRA 12:4)

1. Iz elektrofiziologicheskoy laboratorii (ispolnyayushchiy obyazannosti zav. - doktor biol. nauk O.V. Verzilova) Instituta normal'noy i patologicheskoy fiziologii (dir. - deystvitel'nyy chlen AMN SSSR V.N. Chernigovskiy) AMN SSS , Moskva. Predstavlena deystvitel'nyy chlenom AMN SSSR V.N. Chernigovskim.

(SPINAL CORD, physiol.

eff. of bladder stimulation on spinal domination focus (Rus))

(BLADDER, physiol.

same)

VERZILOVA, O.V., doktor biologicheskikh nauk, nauchnyy rukovoditel' raboty;
SAURAILOVA, S.A.; SIBYKHIN, F.D.

Analysis of supraspinal effect of the reticular formation of
the brain stem on the mechanism of formation of flexor dominance.
Trudy Inst.norm. i pat.fiziol. AMN SSSR 7:29-30 '64.

(MIRA 13:6)

VERZILLOVA, O.V.; KONDRAT'YEVA, L.N.

Electrical activity of pressoreceptor neurons of the medullary reticular formation following the stimulation of hypothalamic pressoreceptors. Trudy Inst.norm. i pat.fiziol. AMN SSSR 7:31-32 '64. (MIRA 18:6)

1. Laboratoriya fiziologii i patologii krovoobrashcheniya i dykhaniya (zav. - chlen-korrespondent AMN SSSR prof. M.Ye. Marshak) Instituta normal'noy i patologicheskoy fiziologii AMN SSSR.

SHEYKHON, F.D.; VFRZILLOVA, O.V., doktor biolog. nauk, nauchnyy rukovoditel'
raboty

Analysis of the effect of aminazine on cerebrospinal reflexes
and dominance. Trudy Inst.norm.i pat.fiziol. AMN SSSR 7:110-111
'64. (MIRA 18:6)

VERZILOVA, O.V.; KONDRAT'YEVA, L.N.

Pressor and depressor structures of the posterolateral region of
the hypothalamus. Biul. eksp. biol. i med. 57 no.6:11-14 Je '64.
(MIRA 18:4)

1. Laboratoriya fiziologii i patologii krovoobrashcheniya i
dykhaniya (zav. - chlen-korrespondent AMN SSSR prof. M.Ye.Marshak)
Instituta normal'noy i patologicheskoy fiziologii (dir. - deystvitel'-
nyy chlen AMN SSSR prof. V.V.Parin) AMN SSSR, Moskva.

VERZIN, A. A. Cand Med Sci -- (diss) "Experimental studies of the effect of
~~pentothal~~ and thiopental sodium upon the organ of ^{vision} ~~sight~~." Gor'kiy, 1957. 12pp
(Gor'kiy State Med Inst im S. M. Kirov), 200 copies. (KL, 4-58, 85)

-60-

BELIKOV, G.P.; VERZIN, A.A.

Use of neomycin (colimycin) in local therapy of infectious diseases
of eyelids, conjunctiva and cornea. Antibiotiki 10 no.5:466-470 My
'65. (MIRA 18:6)

1. 1-ya Yaroslavskaya gorodskaya klinicheskaya bol'nitsa.

VERZIN, A.A., vrach-okulist (Salekhard)

Case of tumor of the lagrimal gland. Oft. zhur. 16 no. 71438 '61.
(MLA 14:12)

(LACHRIMAL ORGANS—TUMORS)

SOLOV'YEV, Aleksandr Ivanovich; KOVALENOK, Yevgeniy Vikent'yevich;
VERZIN, Ivan Andreyevich; KOVALEV, Nikolay Aleksandrovich;
VOL'MIR, R.I., red.

[Designs of mechanisms for automatic control devices, measuring and computing equipment] Raschety mekhanizmov avtomatiki, izmeritel'noi i schetno-reshaiushchei tekhniki. Pod red. A.I. Solov'eva. Taganrog, Taganrogskii radiotekhn.in-t, 1961. 215 p.
(MIRA 16:3)

(Automatic control) (Measuring instruments)
(Calculating machines)

VERZINA, A. I.

Utilizing local material on weather and climate for a course
in world geography. Geog. v shkole 23 no.5:49-53 S - O '60.

(MIRA 13:9)

(Climatology--Study and teaching)

RAIAPORT, L.I.; VERZINA, A.Ye. [Verzina, H.V.]

Mercurimetric determination of barbiturates in medicinal mixtures. Farmatsiev. zhur. 17 no.6:25-32 '62. (MIRA 17:6)

1. Tsentral'naya nauchno-issledovatel'skaya aptechnaya laboratoriya Glavnogo aptechnogo upravleniya Ministerstva zdravookhraneniya UkrSSR.

RAPAPORT, L.I.; VERZINA, A.Ya.

Interaction of methylthiouracil with bivalent mercury salts.
Ukr. khim.zhur. 29 no.9:954-957 '63. (MIRA 17:4)

1. Tsentral'naya nauchno-issledovatel'skaya aptechnaya laboratoriya.

IVANITSKIY, T.V.; VERZIRISHVILI, Ye.K.

Mineralogy and geochemistry of complex metal mineralization in the
Merisi ore deposit (Adzhar A.S.S.R.). Trudy AN Gruz.SSR.Min.i
petr.ser. 5:5-44 '61. (MIRA 14:6)
(Adzharistan--Minerals)

VERZNER V.

BC

A-1

Method for taking electron diffraction photographs with simultaneous irradiation of two samples. V. Verzner (Physical Z. Sovietunion, 1936, 8, 549-550).—The diffraction cones from two adjacent irradiated samples are separated by a brass screen in the diffraction camera. O. D. S.

ASTM-ISA METALLURGICAL LITERATURE CLASSIFICATION

13000 STEEL

130000 WIP UNV SEE

COLLECTION

130000 ONE ONLY 151

VERZHER, V.G., red.; KARNAUKHOVA, Ye.S., red.; POTAPOV, Kh.Ye., red.;
PONOMAREVA, A.A., tekhn.red.

[Calculating production costs on collective farms] Voprosy
ischisleniya sebestoimosti produktsii v kolkhosakh. Pod red.
V.G.Benzhera i E.S.Karnaukhovoi. Moskva, Gosplanizdat, 1959.
163 p. (MIRA 12:10)

1. Akademiya nauk SSSR. Institut ekonomiki.
(Collective farms--Costs)

VERZHINEKAYA, A. B.; SHASHKOV, A. G.

"Method and instrument for measuring heat conductivity and thermal diffusivity."

paper submitted but not accepted for 3rd Symp on Thermophysical Properties,
Lafayette, Ind, 22-26 Mar 65.

Heat & Mass Transfer Inst, AS BSSR, Minsk.

VERZNER V. I.		PROCESSING AND PROPERTIES INDEX	
17		17	
The removal of bubbles with the help of gas-free glass. V. I. Verzner and M. A. Yur'ev. <i>Optiko-mekh. Prom.</i> 6, No. 8, 3-8 (Aug., 1936); <i>Chem. Zentr.</i> 1937, 1, 2657. In order to remove bubbles from glasses whose clarification presents difficulties, expts. were carried out in which glass from which the gas had been removed in a vacuum was added to such glasses in the melt. It was thought that the gas bubbles represent an insul. excess of gas which would redissolve in the gas-free glass. The crushed glass was degassed by fusion in an elec. furnace at 10-30 mm. Hg. The gas foamed very strongly; special construction prevented foaming over from the crucible. Some samples of glass were degassed several times until the evolution of gas was only very slight. Aids. of the degassed glass in smts. up to 15% to the bubble-contg. glass was entirely useless; no reduction in the bubbles could be observed. M. G. Moor			
ASH-ELA METALLURGICAL LITERATURE CLASSIFICATION		FROM SOURCE	
SOURCE #		BELLTIME	
10000 11000 12000 13000 14000 15000 16000 17000 18000 19000 20000 21000 22000 23000 24000 25000 26000 27000 28000 29000 30000 31000 32000 33000 34000 35000 36000 37000 38000 39000 40000 41000 42000 43000 44000 45000 46000 47000 48000 49000 50000 51000 52000 53000 54000 55000 56000 57000 58000 59000 60000 61000 62000 63000 64000 65000 66000 67000 68000 69000 70000 71000 72000 73000 74000 75000 76000 77000 78000 79000 80000 81000 82000 83000 84000 85000 86000 87000 88000 89000 90000 91000 92000 93000 94000 95000 96000 97000 98000 99000 100000		10000 11000 12000 13000 14000 15000 16000 17000 18000 19000 20000 21000 22000 23000 24000 25000 26000 27000 28000 29000 30000 31000 32000 33000 34000 35000 36000 37000 38000 39000 40000 41000 42000 43000 44000 45000 46000 47000 48000 49000 50000 51000 52000 53000 54000 55000 56000 57000 58000 59000 60000 61000 62000 63000 64000 65000 66000 67000 68000 69000 70000 71000 72000 73000 74000 75000 76000 77000 78000 79000 80000 81000 82000 83000 84000 85000 86000 87000 88000 89000 90000 91000 92000 93000 94000 95000 96000 97000 98000 99000 100000	

VERZUNOV, M.V.; GNUTIKOV, P.I., red.; SRIENIS, N.V., tekhn. red.

[Radiotelegraphy] Radiotelegrafirovanie. Moskva, Voen. izi-vo M-va
oborony SSSR, 1961. 78 p. (MIRA 14:7)
(Radiotelegraph)

SEME NOV, A.M.; VERZUNOV, M.V.

Increasing the stability of apparatus forming a single-band signal.
Elektresviaz' 10 no.4:5-16 Ap '56. (MIRA 9:7)
(Modulation (Electronics))

VERZUNOV, Mikhail Vasil'yevich; LOBANOV, Igor' Valentinovich; SEMENOV,
Aleksandr Mitrofanovich; VENGRENYUK, L.I., red.; SLUTSKIN, A.A.,
tekhn. red.

[Single-band modulation] Odnopolosnaia moduliatsiia. Moskva,
Sviaz'izdat, 1962. 298 p. (MIRA 15:7)

(Modulation (Electronics))
(Radio frequency modulation)

SEMENOV, A., kand. tekhn. nauk; VERZUNOV, V.

Phase-compensation method for the formation of single-band signals.

Radio no. 6:27-29 Je '58.

(MIRA 11:7)

(Modulation(Electronics))

VERZUNOV, Ye.A., inzh.

Dynamic chart of operations in the organization of factory
management. Vest.mashinostr. 45 no.10:72-74 0 '65.
(MIRA 18:11)

DRIVOTINOV, B.V., kand.med.nauk; SIDORENKO, G.I., kand.med.nauk; MELAMED,
S.I., kand.med.nauk; DOVGYALLO, O.G., aspirant; CHERNUKHO, V.L,
vrach; BUTSEL', A.M., vrach; VERZUNOVA, G.I., vrach; MUL'CHEVSKAYA,
Ye.S., vrach

Some peculiarities in the clinical course of grippe in 1959. Zdrav.
Belor. 5 no.1:40-42 Ja '60. (MIRA 13:5)

1. Iz II klinicheskoy bol'nitsy Minska.
(MINSK--INFLUENZA)

S/079/60/030/011/015/026
B001/B055

AUTHORS: Kugatova, G. P., and Vesa, V. S.

TITLE: Synthesis and Investigation of Alicyclic Polyenes. I. Synthesis of Polyenals of the Δ^3 -Cyclohexene Series

PERIODICAL: Zhurnal obshchey khimii, 1960, Vol. 30, No. 11, pp. 3731-3738

TEXT: Basing on the publications Refs. 1-8 on the synthesis and chemical properties of polyenes, the authors of the present paper investigated alicyclic polyene compounds of the Δ^3 -cyclohexene series, which had not been studied hitherto and which may be prepared from readily accessible dienes. 4-methyl Δ^3 -tetrahydrobenzaldehyde (I), obtained by diene synthesis from isoprene and acrolein, was used as starting material. The polyene side chain was built up from acetals and vinyl ethers by the known condensation reaction (Refs. 3, 7, 8, 9, and 10). Zinc chloride in ethyl- or butyl acetate was found to be the best catalyst. It was shown that the acetals of 4-methyl Δ^3 -tetrahydrobenzaldehyde can undergo condensation with vinyl ethers, yielding primary condensation products in 12.6 to 19.5% yield. The acetals of aldehydes containing conjugated double bonds
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Synthesis and Investigation of Alicyclic
Polyenes. I. Synthesis of Polyenals of the
 Δ^3 -Cyclohexene Series

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in the side chain in α, β position give this condensation reaction much more readily, so that the main reaction products are obtained in yields of 80 - 85%. Condensation with vinyl ethers of the diethyl- and dibutyl acetals of 4-methyl Δ^3 -tetrahydrobenzaldehyde, 3-(4'-methyl cyclohexen-3'-yl) 1,1-diethoxy 2-propene, 5-(4'-methyl cyclohexen-3'-yl) 1,1-diethoxy 2,4-heptadiene, and 7-(4'-methyl cyclohexen-3'-yl) 1,1-diethoxy 2,4,6-heptatriene gave the corresponding ether acetals. On boiling the latter with acetic acid, they readily formed the following unsaturated aldehydes: 3-(4'-methyl cyclohexen-3'-yl) 2-propen-1-al, 5-(4'-methyl cyclohexen-3'-yl)-2,4-pentadien-1-al, 7-(4'-methyl cyclohexen-3'-yl) 2,4,6-heptatrien-1-al and 9-(4'-methyl cyclohexen-3'-yl) 2,4,6,8-nonatetraen-1-al. Hydrolysis of 3-(4'-methyl cyclohexen-3'-yl) 1,1,3-triethoxy propene and 3-(4'-methyl cyclohexen-3'-yl) 1,1,3-tributoxy propene gave two isomers, cis and trans, of 3-(4'-methyl cyclohexen-3'-yl) 2-propen-1-al. The UV absorption spectra of the 2,4-dinitro-phenyl hydrazones and semicarbazones of the synthesized Δ^3 -cyclohexenals showed that all the double bonds in

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the side chain are conjugated to the aldehyde group. Data on the aldehyde acetals, ether acetals, and aldehydes and their derivatives are given in Tables 1, 2, and 3. Basing on the UV spectra of derivatives of the isomeric aldehydes (VII) it may be assumed that hydrolysis of the ether acetals (IV) and (V) yields the cis-aldehyde (VIIa) as main reaction product (Figs. 1 and 2). Hydrolysis of the ether acetal (IX) leads to aldehyde (X) (Scheme 3). On carrying out all these reactions with aldehyde (X), the authors obtained aldehyde (XIII), and, thence, aldehyde (XVI) (Scheme 4). There are 2 figures, 3 tables, and 13 references: 9 Soviet, 1 US, 1 British, 1 Swiss, and 1 Indian. ✓

ASSOCIATION: Institut khimii i khimicheskoy tekhnologii Akademii nauk
Litovskoy SSR (Institute of Chemistry and Chemical Technology
of the Academy of Sciences Litovskaya SSR)

SUBMITTED: October 3, 1959

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S/079/60/030/011/016/026
B001/B055

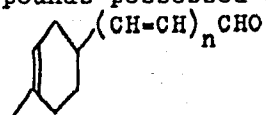
AUTHORS: Kugatova, G. P. and Vesa, V. S.

TITLE: Synthesis and Investigations of Alicyclic Polyenes.
II... Synthesis of Polyenoic Acids and Esters in the
 Δ^3 -Cyclohexene Series

PERIODICAL: Zhurnal obshchey khimii, 1960, Vol. 30, No. 11, pp. 3739-3743

TEXT: To supplement their previous paper (Ref. 1), the authors investigated the condensation with malonic acid of the polyenals synthesized by them. By this reaction they obtained the hitherto unknown acids of the

Δ^3 -cyclohexene series and esters of these compounds. On the basis of numerous published data it was to be expected that several of these compounds possessed biological activity. Condensation of the aldehydes (I-IV)



n = 0 (I),
n = 1 (II),
n = 3 (III),
n = 4 (IV),

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Synthesis and Investigations of Alicyclic
Polyenes. II. Synthesis of Polyenoic Acids
and Esters in the Δ^3 -Cyclohexene Series

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with malonic acid was carried out in pyridine containing a slight amount of piperidine, at 20 - 110°C. To compare the reactivity of the aldehydes containing several double bonds in conjugation to the aldehyde group, the condensation of the above aldehydes was carried out under the same conditions. The presence of these bonds in the initial aldehydes was found to promote the reaction (Ref. 1). Aldehyde (I), e.g., yielded 18% acid, while aldehyde (II) gave 63%. The aldehyde (II) used for condensation was a mixture of its isomers and gave acid (VI), as was to be expected, in two isomeric forms, one crystalline and the other liquid. This was the only case of isomerism among the acids synthesized. On condensation with malonic acid under the same conditions, the aldehydes (III) and (IV) gave many resinous products and very small amounts of the acids (VII) and (VIII). Better yields (56-70%) were only obtained under milder conditions. Esters of these acids were also prepared. Contrary to published data (Ref. 2), the polyenoic acids reacted at low temperatures (-10 - 0°C) with the calculated amounts of diazomethane, giving good yields. The double-bond system remained unchanged in this reaction. The methyl esters (IX - XII)

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obtained by this reaction, with the exception of (XII), have a higher density, and are viscous, yellowish liquids which can be distilled without decomposition. The acid (VII) ($n = 3$) and its methyl ester (XII) are analogs of the vitamin A acid and its ester. Except for the acids (VII) and (VIII) ($n = 4$), which resinify, the acids can be converted into their acid amides. Data on the UV absorption spectra of the acids and esters synthesized are listed in Table 1 and the two figures. They are in good agreement with data published for analogous polyene chains (Ref. 2). There are 2 figures, 2 tables, and 3 references; 2 Soviet and 1 German.

ASSOCIATION: Institut khimii i khimicheskoy tekhnologii Akademii nauk Litovskoy SSR (Institute of Chemistry and Chemical Technology of the Academy of Sciences Litovskaya SSR)

SUBMITTED: October 3, 1959

Card 3/3

KUGATOVA-SHEMYAKINA, G.P.; VESA, V.S.

Dehydration of cycloaliphatic α -ketols of the cyclohexane and Δ^3 -cyclohexene series. Dokl. AN SSSR 140 no.2:377-380 S '61.
(MIRA 14:9)

1. Institut khimii i khimicheskoy tekhnologii AN Litovskoy SSR.
Predstavleno akademikom M.I. Kabachnikom.
(Ketols)

KUGATOVA-SHEMYAKINA, G.P.; VESA, V.S.

Dehydration of cycloaliphatic α -ketols of the cyclohexane and
 Δ^3 -cyclohexene series. Zhur.ob.khim. 33 no.12:3875-3883 D
'63. (MIRA 17:3)

1. Institut khimii i khimicheskoy tekhnologii AN Litovskoy SSR.

VESA, V.S., KUPETIS, O.K.

Addition of dichlorocarbene to some Δ^3 -cyclohexenes. Zhur.org.khim.
1 no.2:256-259 F 165. (MIRA 18:4)

1. Institut khimii i khimicheskoy tekhnologii AN Litovskoy SSR.

VESA, V.S.; KUPYATIS, G.K. [Kupetis, G.]

Synthesis of some acetylenic keto acids. Trudy AN Lit.SSR. Ser. B.
no.2:181-189 '65. (MIRA 19:2)

1. Institut khimii i khimicheskoy tekhnologii AN Litovskoy SSR.
Submitted December 2, 1964.

VESA, V.S.; KUPYATIS, G.K. [Kupetis, G.]

Oxidation of some secondary cycloaliphatic alcohols. Trudy
AN Lit. SSSR. Ser. B. no. 4241-46 '65 (MIRA 19:2)

1. Institut khimii i khimicheskoy tekhnologii AN Litovskoy SSR.
Submitted May 10, 1965.

AUTORS: Kharit, Ya. A.; Meos, A. I.; Vol'f, L. A.; Vesa, V. S.

VESA, V.S.

Some properties of the Δ^3 -double bond of cyclohexene compounds.
Trudy AN Lit. SSR Ser. B no.3:115-120 '62.

(MIRA 18:3)

1. Institut khimii i khimicheskoy tekhnologii AN Litovskoy SSR.

VESANEN, E.; METZGER, A.; NURMIA, M.; PORKKA, M.T.

Explosion - seismic determination of P_g and S_g velocities in
Finland. Geofiz kozl 9 no.1/2:69-71^g '60.^g

VESANEN, E.; PORKKA, M.T.; NURMIA, M.

On the seismicity of Finland. Geofiz kozl 9 no.1/2:73-76 '60.

CARPENISAN, D., ing.; DIRDARA, C., ing.; PANAITESCU, M., ing.; PARASCHIV, V.,
ing.; TOKES, T., ing.; VESCAN, D., ing.; PETRISOR, M., tehn.

Equipment for measuring rock pressure in mines made by the
Institute of Mining Research. Rev m'n 15 no.11:547-552 N '64.

DRIMER, D.; TARANU, P.; HAFNER, A.; VESCAN, L.; NEMODA, L.

Studies on the diffusion of antimony in monocrystalline silicon.
Studii fiz tehn Iasi 13 no.1:39-50 '62.

VESCAN, Teofil T.

(2)
Vescan, Teofil T. Contributions à la critique de la cosmologie relativiste. Acad. Repub. Pop. Roumaine. Bul. Sti. Sect. Sti. Mat. Fiz. 3 (1951), 561-568 (1952). (Romanian. Russian and French summaries).

An attempt to find a model for relativistic cosmology in which matter is converted into radiation in accordance with the hypotheses

$$M = M_0 + M_1 e^{-t}, \quad P = P_0(e^t - 1),$$

where M is the mass and P the pressure of radiation at time t . The author concludes that such a model must oscillate between two finite limits, and that it can represent only a cluster of galaxies. Quoting, "It is thus proven that modern physics can not lead to finite solutions for the physical universe, solutions which would not conform to dialectical materialism, being in contradiction with the scientific conception of the world".

H. P. Robertson.

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"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001859610008-3

DISCARD

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001859610008-3"

VESJAN, T.

Vesjan, T. - Space and time in modern physics. II. p.152

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

VERSCAN, T.

New cosmogonic theories; on the 200th anniversary of I. Kant's theory.
p. 28. NATURA. Bucuresti. Vol. 7, no. 3, May/ June 1955.

SOURCE: East European Accessions List (EEAL) Library of Congress
Vol. 5, No. 7, July 1956.

VESCAN, T.

Activities of physicists and technicians at the Iasi branch of
the Rumanian Academy. p. 647. GAZETA MATEMATICA SI FIZICA.
SERIA A. Bucuresti. Vol. 7, no. 12, Dec. 1955

SOURCE: East European Accessions List (EEAL) Library of Congress
Vol. 5, No. 7, July 1956.

Vescan, T. T.

Rumania/Nuclear Physics - Structure and Properties of Nuclei

C-4

Abstract Journal : Referat Zhur - Fizika, No 12, 1956, 33979

Author : Vescan, T. T.

Institution : None

Title : Possible Structure of External Layers of the Nucleus and of Elementary Particles

Original
Periodical : Studii si cercetarii stiinti Acad. RPR, fil. Iasi, 1955,
6, 3, 4, 5-12 (Rumanian; resume in Russian and French)

Abstract : None

Card 1/1

VESCAN, T.

Present stage of the problem of determinism in physics; recent studies of Louis de Broglie. p. 67.

STUDII SI CERCETARI STIINTIFICE. FIZICA SI STIINTE TEHNICE. (Academia Republicii Populare Romine. Filiala Iasi) Iasi, Rumania. Vol. 8, no. 1, 1957.

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

Uncl.

RUMANIA/Theoretical Physics - General Problems

D-1

Abs Jour : Rev Zbur - Fizika, No 5, 1959, No 9792

Author : Vascan Teofil T.

Inst : -

Title : Modern Status on the Problem of Determinism in Physics

Orig Pub : Studii si cercetari stiint. Acad. RPR Fil. Iasi, Fiz. si
stiinte techn., 1957, 8, No 1, 67-85

Abstract : No abstract

Card : 1/1

VESCAN, TROUIL T.

Distr: 4E33/4E3d

Probable nature of certain atomic and nuclear forces.
Troil T. Vescan. *Rev. Phys., Acad. rep. Populaire* *Re-*
maire 2, 175-81 (1937) (in French).—The application of
classical and relativistic theories to the detn. of forces of
interaction between mol., ions, atoms, and elementary par-
ticles is reviewed. Sphere-point and sphere-sphere models
are used as the basis of calcns. These semiclassical, semi-
relativistic, and semiquant. results are applied to the theory
of mesonic forces. Up to a distance of 6×10^{-13} cm. nu-
clei repel pos. particles. At this distance the repulsive
forces change into attractive forces of a purely elec. nature.
On drawing closer the pos. particles come under the in-
fluence of attractive nuclear mesonic forces. At a given
moment and a distance of approx. 10^{-13} cm., the particles
attain the speed of light and the scalar mesonic force is
transformed into a repulsive force, with the particle having
penetrated into the nucleus and undergoing a periodic mo-
tion therein. A zone of neutrons probably exists at about
 10^{-14} cm. from the center of the nucleus.

Herbert Liebskind

SB

VI

VESCAN, TEOFIL T.

Category : RUMANIA/Theoretical Physics - Theory of Relativity and Unified
Field Theory

B-2

Abs Jour : Ref Zhur - Fizika, No 2, 1957, No 2913

Author : Vescan, Teofil T.

Title : Remarks on the Relativistic Interaction between a Point Charge
and a Rotating Conducting Sphere

Orig Pub : Commun. Acad. RPR, 1956, 6, No 2, 259-261

Abstract : No abstract

Card : 1/1

VESCAN, FLORE T.

VESCAN TEOFIL T.

RUMANIA/Solid State Physics - Solid State Theory

Abs Jour : Ref Zhur - Fizika, No 5, 1958, No 10546

Author : Vescan TEOFIL T.

Inst : Not Given

Title : Contribution to the Study of Mechanical and Thermal Properties of Monatomic and Diatomic Crystals

Orig Pub : Studii si cercetari mat. fis. Acad. RPR Fil. Gluj, 1956, 7, No 1-4, 91-98

Abstract : The author has obtained a new formula for the dimensions of the elementary spheres of the secondary structure of crystals. It is shown that the result obtained corresponds to the theoretical results of Born and to the Chishman experimental data. Continuing these investigations, the author calculates the cell energy of the crystals. Here it is taken into account that the atom has finite dimensions. Thus he obtains an equation of state for monatomic and diatomic solids, suitable for the case of low temperature. Also given is a theoretical expression for the compressibility and heat of sublimation using

Card : 1/2

VESCAN, T.

Impressions from Germany. p. 207

STUDII SI CERCEȚĂRI ȘTIINȚIFICE. FIZICĂ ȘI ȘTIINȚE TEHNICE.
Iasi, Rumania, Vol. 8, no. 2, 1957

Monthly list of European Accessions (EEAI) LC, Vol. 8, no. 8, Aug. 1959

Uncl.

VESCAN, T.

Considerations on the theory of the elementary particles.
Pts. 1-2, p.103

STUDII SI CERCETARI STINTIFICE. FIZICA SI STINTE TEHNICE.
Iasi, Rumania. Vol. 8, no. 2, 1957

Monthly list of European Accessions (EEAI) LC, Vol. 8, no. 8, Aug. 1959

Uncl.

VESCAN, T. T.

RUMANIA/Cosmochemistry, Geochemistry, Hydrochemistry.

D.

Abs Jour : Ref Zhur - Khimiya, No 14, 1958, 46329

Author : T.T. Vescan, N. Calinicenco

Inst : -

Title : Radioactive Springs in Rumania.

Orig Pub : Gaz. mat. si fiz., 1957, A9, No 9, 473-475

Abstract : A brief review of work of Rumanian scientists in the field of the study of radioactive springs is presented. A characterization of radioactive springs in Rumanian health resorts Beyle - Bruklane, Syndzhorz - Bay, Dzhoadzhiu, Valya - Vinuluy, Borsek and others is given.

Card 1/1

af

RUMANIA/Nuclear Physics - Structure and Properties of Nuclei.

C

Abs Jour : Ref Zhur Fizika, No 9, 1959, 19669

Author : Vescan, Theophile, T.

Inst :

Title : Remarks on the Possible Structure of Nuclei and Certain Elementary Particles (Baryons).

Orig Pub : An. stiint. Univ. Iasi. Sec. I., 1957, 3, No 1-2, 257-262

Abstract : The author considers the classical interaction of nucleons with dipole and quadrupole nuclear fields. To obtain data on the distribution of the density of matter in the nucleus, the author calculates the motion of relativistic classical particles in a spherically-symmetrical potential of the form $W(r) = g^2 \exp \left\{ -\frac{k_0 r}{r} \right\}$.

Card 1/1

RUMANIA/Theoretical Physics - Quantum Theory of Fields.

B-

Asb Jour : Ref Zhur Fizika, No 3, 1960, 5088

Author : Vescan Teofil T.

Inst :

Title : Consideration of the Theory of Elementary Particles. C.
Theory of Fusion of Elementary Particles and Heisenberg's
Research on the Unified Theory of Elementary Particles.

Orig Pub : Studii si cercetari Stiint. Acad. RPR Fil. Iasi. Fiz. si
stiinte tehn., 1958, 9, No 2, 205-214

Abstract : The author developes the de Broglie thoery of fusion
(de Broglie L., Theorie generale des particules a spin.
Paris, 1943), recalling in this connection the Heisenberg
nonlinear theory, the author emphasized that the two
theories are related. For parts A and B, see RZhFiz
1959, No 919614.

Card 1/1

VESCAN, Teofil T., prof

A preliminary note on the interpretation and extension of the notion of strangeness, and on its utilization in the explanation of fine structure in nuclear physics. Studii fiz tehn Iasi 10 no.2:207-210 '59. (EEAI 9:9)

1. Redactor responsabil adjunct, Studii si cercetari stiintifice, Fizica si stiinte tehnice, Filiala Iasi, Academia Republicii Populare Romine.

(Nuclear physics) (Spectrum analysis)

VESCAN, Teofil T., prof.

Relativistic aspect of the phenomenon of striction (pinch effect).
Studii fiz tehn Iasi 11 no.1:7-12 '60. (EEAI 10:3)

1. Comitetul de redactie, Studii si cercetari stiintifice, Fizica si
stiinte tehnice, redactor responsabil adjunct.
(Relativity (Physics)) (Electromagnetic fields)
(Bessel's functions) (Pinch effect)

VESCAN, Taofil T., prof.

A short bibliography; contributions of the physicists of Iasi to the advancement of science in the last century, 1860-1960. Studii fiz tehn Iasi 11 no.1:59-77 '60. (EEAI 10:3)

1. Comitetul de redactie, Studii si cercetari stiintifice, Fizica si stiinte tehnice, redactor responsabil adjunct.
(Rumania--Bibliography) (Physics)
(Iasi--Intellectual life)