

RADAI, Odon

People and regions in Vietnam. II. Elet tud 16 no.35:1101-1106 27 Ag
'61.

RADAI, Odon

Underwater rays of light. Elet tud 17 no.6:174-178 F '62.

RADAI, Odon

"Archimedes" Auguste Piccard. Elet tud 17 no. 15:464-468 Ap'62.

RADAI, Odon

"Mezoszkaf"; a new underwater vehicle. Elet tud 17
no.23:731-732 10 Je '62.

RADAI, Gion

Underwater "excavations". Elet tud 17 no.25:783-787 24 Je '62.

RADAI, Odon

Is underwater shouting possible? Elet tud 17 no.27:858 8 J1 '62.

1. Vizgaldalkodasi Tudomanyos Kutato Intezet munkatarsa.

RADAI, Odon ...

How does oxygen reach the depths of the oceans? Elet tud 17
no.32:1002 12 Ag '62.

1. Vizgazdalkodasi Tudomanyos Kutato Intezet munkatarsa.

RADAI, Odon

How should we improve the equipment of divers? Elet tud 18
no.6:178 10 F '63.

1. "Elet es Tudomany" szakmunkatarsa.

RADAI, Odon

The Amphitrite and Denise, the "sinking saucer."
Elet tud 18 no.7:201-203 17 F '63.

RADAI, Odon

Submarine house. Elet tud 18 no.4781487-1491

24 N°63

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RADAI, Sandor, okleveles gepeszmernok; POLERECZKY, Gabor, vegyesz;
ANGYAL, Laszlo, okleveles gepeszmernok

Instruments of modern soft soldering. Finommechanika 2 no.6:
169-172 Je '63.

1. Beloiannisiz Hivadastechnikai Gyar Gyartasfejlesztési Osz-
taly.

RADAI, Sandor, okleveles gepeszmernok; POLERECZKY, Gabor, vegyesz;
ANGYAL, Iaszlo, okleveles gepeszmernok

Modern soft soldering and its tools. Finommechanika 2 no. 10:
313-316 0 '63.

1. Production Development Division, Belciannisz Telecommunication
Engineering Factory, Budapest.

BARAJEVA, Z.

Collective farms in the Ralta District overtake the best districts in cattle raising.

p. 23 (Pasaņģu Latvijas kolchoznieks. Vol. 9, no. 10, Oct. 1957. Riga, Latvia)

Monthly Index of East European Accessions (EMAI) LC. Vol. 7, no. 2,
February 1958

RADAJEWSKI, Marian

Diagnostic importance of bronchoscopy in pulmonary emphysema and cirrhosis. Gruzlica 23 no.2:111-116 Feb. '55.

1. Z Kliniki Ftyzjatrycznej A.M. w Poznaniu. Kierownik: prof.dr. med. J. Jurkowski. Poznan, ul. Kosciuszki 76 m. 7.

(BRONCHOSCOPY, in various diseases

pulm.emphysema & cirrhosis)

(EMPHYSEMA, PULMONARY, diagnosis

bronchoscopy)

(PNEUMONIA

interstitial, diag., bronchoscopy)

DOBIE, J.; LORKIEWICZ, M.; MOLL, J.; TYBORSKI, H.; RADAJEWSKI, M.

Hemitruncus arteriosus with aortic valvular insufficiency.
Kardiol. Pol. 7 no.3:229-232 J '64.

1. Z Oddziału Chirurgii Torakalnej Szpitala Miejskiego im.
J. Strusia (Ordynator: prof. dr J. Moll) i z Zakładu Radiologii
Akademii Medycznej w Poznaniu (Kierownik: prof. dr B. Gladysz).

RADAJEWSKI, W.

"The Influence of Standards and Standardization Laws on the Improvement of the Quality of Fish." p. 7, (GOSPODARKA RYBNA, Vol. 5, No. 1, Jan. 1953, Warsaw, Poland).

SO: Monthly List of East European Accession, Lib of Congress, Vol 2, no 19 Oct 1953, Uncl.

RADAJEWSKI, W.

"Problems of the Struggle for Fish of Good Quality." P. 12,
(GOSPODARKA RYBNA, Vol. 5, No. 12, Dec. 1953. Warszawa, Poland.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3,
No. 12, Dec. 1954, Uncl.

RADAK, B. B.

22. Separation and measurement of metals deposited by electrolysis on a mercury cathode. B. B. Radak (*Bull. Inst. Nuclear Sci., Belgrade, 1954, 4, 55-56*).—A method proposed for the separation and measurement of metals deposited by electrolysis on a mercury cathode involves washing the Hg with 5 per cent. HNO₃ and polarographic measurement. The method has been compared with the conventional mercury-distillation method by means of Cd, and results of 96 to 97 per cent. and 40 to 80 per cent., respectively, of the quantity electrolysed have been obtained. This disparity is due to distillation of some Cd with the Hg.

L. F. TAYLOR

MA *gen*

RADAK, B.B.

37
 Polarographic determination of hydrogen peroxide and aliphatic acids in mixtures. B. B. Radak and B. L. Djukanova. *Zh. Prikl. Khim. Ser. Neorgan.* 1957, 7, 59-63. The critical concn. ratio $[H_2O_2]/[acid]$ above which it is impossible to estimate the acid has been determined for the following: formic 0.62; AcOH 0.44; oxalic 1.2; succinic 0.70; citric 1.55. H_2O_2 can be determined in a mixture with oxalic acid only if the concn. ratio is $> 1/20$ in 0.1N H_2SO_4 . If acid is present in large excess it is neutralized with KOH to pH 5. Dissolved atmospheric O_2 is expelled from the solution with N_2 . J. H. W. FURSTLIE

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483d

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RADAK, B.; MARKOVIC, V.; DRAGANIC, I.

Radiation dosimetry of the reactor RA at Vinca. Measurements by isothermal calorimeter. Bul Inst Nucl 12:7-41 0 '61.

1. The Institute of Nuclear Sciences "Boris Kidrich," Department of Radiation Chemistry, Vinca. 2. Membre of the Editorial Board, "Bulletin of the Institute of Nuclear Sciences 'Boris Didrich'" (for Draganic).

RADAK, Branislav, dipl., fiz., hem., saradnik (Beograd-Karaburma, Uralska 48/4);
KONSTANTINOVIC, Stanimir, dipl., fiz., hem., saradnik

Modern radiation units with isotopic sources. Tehnika Jug 16 no.11:
1918-1923 '61.

1. Nuclear Science Institute "Boris Kidric", Radiation Chemistry
Division, Beograd-Vinca.

RADAK, B.B.; DRAGANIC, I.G.

The ^{60}Co radiation unit of the Boris Kidrich Institute at
Vinca. Bul Inst Nucl 13 no.1:77-88 Ap '62.

1. The Boris Kidrich Institute of Nuclear Sciences, Department of
Radiation Chemistry, Vinca.

RADAK, Branislav, dipl. fiz.hem., asistent (Beograd, Uralska 48)

Construction of calorimeters applied in studying radiation chemistry of aqueous solutions. Tehnika Jug 18 no.7:Supplement: Radioizotopi zrac 2 no.7:1221-1224 J1'63.

1. Institut za nuklearne nauke, "Boris Kidric", Laboratorija za radijacionu hemiju, Beograd-Vinca.

RADAK, B.

Construction and application of calorimeters in studying the radiation chemistry of aqueous solutions; abstract. Glas Hem dr 27 no.9/10:549-550 '64

1. The Boris Kidric Institute, Department of Radiation Chemistry, Belgrade-Vinca.

RADAK, Radoslav

Effect of mineral waters of Vrnjacka Banja on intestinal motility.
Voj san pregl 11 no.1/2:20-24 Ja-F '54. (EMAL 3:7)

1. Vojno banjsko leciliste Vrnjacka Banja.
(INTESTINES, physiol.
*motility, eff. of mineral water)
MINERAL WATER, eff.
*on intestinal motility)

RADAKOV, D.V.

Study of fish behavior during catching. Vop. ikht. no. 6:37-46 '56.
(MLRA 9:8)

1. Baltyiskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta morskogo rybnogo khozyaystva i okeanografii -- VNIRO.
(Trawls and trawling) (Fishes)

RADAKOV, D. V. and NIKOLAYEV, D. S.

"The Behaviour of the Young Coalfish in Aquarium with respect to the Moving Net Trap in the Presence of Predators (the Cod)."

paper presented at the Meeting of the International Council for Exploration of the Sea, Annual Meeting, Bergen, Norway, 30 Sep - 8 Oct 57. Presented to Gadoid Fish Committee.

RADAKOV, D.V.

Adaptive significance of schooling behavior in young pollack
(Pollachius virens L.). Vop. ikht. no.11:69-74 '58. (MIRA 12:1)

1.Laboratoriya ikhtiologii Instituta morfologii zhivotnykh AN SSSR.
(Codfish) (Fishes--Habits and behavior)

MANTEYFEL', B.P., prof.; LISHEV, M.N., kand.biol.nauk; RADA KOV, D.V.,
kand.biol.nauk; YUDANOV, K.I., inzh.

Observations on the behavior of Baltic herring during trawling
in the Gulf of Riga. Trudy VNIRO 36:19-24 '58. (MIRA 12:4)
(Riga, Gulf of--Herring fisheries)
(Trawls and trawling)

DANILEVSKIY, N.N., kand.biol.nauk; RADAKOV, D.V., kand.biol.nauk

Observations on the reaction of anchovies and some other fishes
of the Black Sea to artificial stimuli. Trudy VNIRO 36:25-32 '58.
(MIRA 12:4)

(Black Sea--Anchovies)

(Fishing)

RADAKOV, D.V.; NIKOLAYEV, D.S.

Behavior of the young of coalfish with respect to a moving net trap (aquarium experiments). Zool.zhur. 38 no.7:1103-1105
Jl '59. (MIRA 12:10)

1. Laboratory of Ichthyology, Institute of Animal Morphology,
Academy of Sciences of the U.S.S.R. (Moscow).
(Codfish) (Fishing nets)

RADAKOV, D.V.

Observations on herring during the expedition of the research submarine "Severianka." Biul.Okean.kom. no.6:39-40 '60. (MIRA 14:7)
(Norwegian Sea—Herring) (Submarine boats)

MANTEYFEL', B.P.; RADAKOV, D.V. (Moskva)

Studying the adaptive significance of schooling behavior in fishes.
Usp. sovr. biol. 50 no.3:362-370 N-D '60. (MIRA 14:3)
(FISHES-- BEHAVIOR)

RADIKOV, E.V.

Characteristics of defensive behavior in some pelagic fish schools.
Trudy Inst. morf. zhiv. no.39:47-71 '71. (MIRA 14:11)
(Fishes--Behavior)

RADAKOV, D.V.

Some characteristics of the distribution of bottom fishes in
the Dakar area. Vop.ikht. 2 no.4:581-591 '62. (MIRA 16:2)

1. Laboratoriya ikhtiologii Instituta morfologii zivotnykh
imeni A.N.Severtsova AN SSSR, Moskva.
(Atlantic Ocean--Fishes)

RADAKOV, D.V.; NIKOLAYEV, D.S.

Simple variation on the automatic underwater camera. Okeanologiya
3 no.3:517-522 '63. (MIRA 16:8)

1. Institut morfologii zhivotnykh imeni A.N. Severtsova.
(Photography, Submarine—Equipment and supplies)

GITART, D., doktor biolog.nauk; RADAKOV, D.V., kand.biolog.nauk

Demonstration of marine fauna; National Aquarium in Havana.
Priroda 55 no.1:94-96 Ja '66.

(MIRA 19:1)

RADAKOV, G.A.; GORYAYEV, M.I.; TOLSTIKOV, G.A.

Catalytic transformations of terpenes. Part 9: Isomerization of sabinene by means of metatitanic acid. Zhur. ob. khim. 32 no.1: 312-315 Ja '62. (MIRA 15:2)

1. Institut khimicheskikh nauk AN Kazakhskoy SSR.
(Sabinene) (Titanic acid)

RAKOVIC, B.

Another proposal for solving the problem of mattresses for for soldiers.
p. 353.

VOJNO-TEHNIKI GLASNIK. Beograd, Yugoslavia. Vol. 3, no. 11, Nov. 1955.

Monthly List of East European Accessions (SEAI) LC, Vol. 8, no. 9, Sept. 1959.

Uncl.

RADAKOVIC, Dusan (Zemun, Jakuba Kuburovica 3)

Organization of economic units in the Tito Shipyard in Belgrade.
Brodarstvo 4 no 10:39u-40u Ja-Mr 61.

RADAKOVIC, I.; MAKSIMOVIC, R.

The analysis of combustion products and the method of sampling in jet engines.
p. 1504.
(Tehnika, Vol. 11, no. 10, 1956. Beograd, Yugoslavia)

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

RADAKOVIC, Jovan (Beograd, 7. jula br. 69)

Social plan for 1962. Tehnika Jug 17 no.2:193-198 P '62.

(Yugoslavia--Economic policy)

RADAKOVIC, Jovan (Beograd, 7.jula 69)

Some problems of the Yugoslav economic development. Tehnika
Jug 17 no.8:1425-1430 Ag '62.

REDAKOVIC, JOLJ (redacted, 10 jula 69)

The 1969 Le Mans Plan. Tehnika Jug 18 no.3:405-410 18 1969.

RADAKOVIC, L.

Determining lead in ethyl gasoline and in deposits on spark plugs of airplane engines by the colorimetric method, using dithizone. p. 573. TEHNIKA. (Savaz inzenjeri tecnicara Jugoslavije) Beograd. Vol. 11, no. 4, 1956.

SOURCE: LEAL LC Vol. 5, No. 11, November 1956.

ZVARIK, E., MUDr.; RADAKOVIC, M., MUDr.; SEDLAK, J., prom. lekar.

The significance of observing the fibrinolytic activity in
gynecological and obstetrical practice. Cesk. gynek. 30 no.1:
114-118 Mr'65.

1. Gyn.-por. oddzeleni (veduci: MUDr. E. Zvarik), OTS (veduci:
MUDr. M. Radakovic) a Centralna labor. (veduci: J. Sedlak, prom.
lekar) Obvodniho ustavu narodniho zdravi v Martine.

RADAKOVIC, Milenko

Eighth Convention of the Youth of the Postal, Telegraph and Telephone
Service of Yugoslavia. PTT Zajed 6 no.4:41-43 JI=Ag '64.

JOVANOVIĆ, Vasilije; RADAKOVIĆ, Natalija; KOVACEVIĆ, Stojanka;
MAJSTOROVIĆ, Branislav; FURLAN, Milan; ANDREJEVIĆ, Ljubica;
STAMENKOVIĆ, Jela

A case of metrorrhagia complicated by acute renal failure
following blood transfusion. Srpski arh. celok. lek. 92 no.10:
991-995 0 '64.

1. Interno odeljenje Gradske bolnice u Beogradu (Nacelnik:
prof. dr. Mihailo Andrejevic); Hirursko odeljenje Gradske
bolnice u Beogradu (Nacelnik: prof. dr. Mitar Mitrovic);
Biohemijski laboratorijum Gradske bolnice u Beogradu
(V.d. sefa: dr. Mila milutinovic),

IVANKOVIC, Dragoslav, dr.; RADAKOVIC, Natalija, dr.

Contribution to the treatment of arterial hypertension. Our experiences with adelphan. Med. glasn. 13 no.11:551-556 N '59.

1. Interno odeljenje Gradske bolnice u Beogradu - Nastavna baza Medicinskog fakulteta - sef: prof. dr. M. Andrejevic.
(RESERPINE ther.)
(HYDRALAZINE rel. cpds.)

RISTIC-BORCIC, Vera, dr.; IVANKOVIC, Dragoslav, dr.; RADAKOVIC, Natalija, dr.

Psychosomatic aspects of coronary disease. Med. glasn. 15 no.9/10:
413-416 0 '61.

1. Interno odeljenje Gradske bolnice u Beogradu. Na stavna baza
Medicinskog fakulteta (Upravnik: prof. dr M. Andrejevic)

(CORONARY DISEASE psychol)

RADANCEVIC, M.

Yugoslavia (430)

Technology

The production of synthetic gas by the partial oxidation of methane. p. 5,
NAFTA. Vol. 3, no. 1, Jan. 1952.

East European Accessions List. Library of Congress. Vol. 2, no. 3, March 1953
UNCLASSIFIED.

RADANCEVIC, M.

Yugoslavia (430)

Technology

Convergence of methane with steam and carbon dioxide. p. 106, Nafta. Vol. 3.
no. 4, April 1952.

East European Accessions List, Library of Congress, Vol. 2, no. 4, April 1953.
UNCLASSIFIED.

RADANČEVIC, Milenko, ing.

Cooling of glass in the continuous cycle of production of hollow glass. Kem ind 9 no.12:SPK-71--SPK-74 D '60.

1. "Ghetaldus", Zagreb.

MONDESHKI, M., dots.; RADANOV, R.; POPOV, Iv.; SLAVOV, G.; DOBREV, P.

~~RESULTS FOLLOWING APPLICATION OF ARTIFICIAL PNEUMOTHORAX~~
Results following application of artificial pneumothorax at the
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1954.

1. Iz Klinikata po ftiziatriia pri Bishh. med. inst. V. Cher-
venkov - Sofia (direktor: dots. M. Mondeshki)
(PNEUMOTHORAX, ARTIFICIAL,
results)

MONDESHKI, M., prof.; RADANOV, R.; POPOV, I.; SLAVOV, G.; DOBREV, P.

Active non-surgical therapy of tuberculous empyema. Suvrem.med.,
Sofia 6 no.8:26-41 1955.

1. Iz Katedrata po ftiziatriia pri Med. akademii V.Chervenkov -
Sofia (direktor: prof. M.Mondeshki)
(TUBERCULOSIS, PULMONARY, complications,
pleural empyema, ther.)

RAJANOV, R.; KONDESHKI, M.

"Treatment of a Chronic Hematogenous Disseminated Form of Lung Tuberculosis
Epididymitis." p. 2,
(ZORAVEN FRONT, No. 47, Nov. 1954, Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4
No. 5, May 1955, Uncl.

MONDESHKI, M.; RADANOV, R.; POPOV, Iv.; SLAVOV, G.; DOBREV, P.; PASHMAKOV, Iv.

Causes of chronic development of pulmonary tuberculosis. Suvrem.
med., Sofia 11 no. 2-3: 36-46 '60.

1. Iz Katedrata po ftiznatriia pri VMI - Sofiia, Rukov. na Katedrata:
prof. M. Mondeshki.
(TUBERCULOSIS PULMONARY etiol.)

RADAN, Radan, dots.

Organization and results of tuberculosis control in People's Republic of Bulgaria. Nauch. tr. vissh. med. inst. Sofia 39 no.3:11-20 '60.

1. Predstavena ot prof. M. Mondeshki, zav. Katedrata po ftiziatria.

(TUBERCULOSIS prev & control)

RADANOV, R.; SIVCHEV, S.; DOBREV, P.

Experimental studies on some pathogenic problems in primary tuberculous infection in rabbits infected with tuberculous bacteria of the bovine type. Nauch. tr. vissh. med. inst. Sofia 40 no.1:101-128 '61.

1. Pri sutrudnichestvoto na laborantkata Antoniya Baltadzhieva.

(TUBERCULOSIS exper)

MONDESHKI, M.; RADANOV, R.; DOBREV, P.

On the problem of chemo-prophylaxis of tuberculous infection. Nauch.
tr. vissh. med. inst. Sofia 40 no.3:1-13 '61.

1. Predstavena ot prof. M. Mondeshki, Rukovoditel na Katedrata po
ftiziatriia pri vissh meditsinski institut - Sofia.

(BCG VACCINATION) (ANTITUBERCULAR AGENTS ther)

RADANOV, R.

Pleurisy as a stage and form in the development of pulmonary tuberculosis. Nauch. tr. vissh. med. inst. Sofia 40 no.3:15-24 '61.

1. Predstavena ot prof. M. Mondeshki, Ruk. na Katedra po ftiziatrriia pri vissh meditsinski institut - Sofia.

(TUBERCULOSIS PULMONARY etiol)

RADANOV, R.; DOBREV, P.

Development and nature of tuberculous infection in guinea pigs infected with various doses of tuberculous bacteria and treated with streptomycin and BCH. Nauch. tr. vissh. med. inst. Sofia 40 no.3:25-36 '61.

1. Predstavena ot prof. M. Mondeshki, Rukovoditel na Katedrata po ftiziatriia.

(TUBERCULOSIS exper) (STREPTOMYCIN pharmacol)
(BCG VACCINATION exper)

RADANOV, R.; DOBREV, P.

Streptomycin and BCG therapy of guinea pigs infected with
various doses of mycobacterium tuberculosis. Probl. tub.
40 no.6:91-95 '62 (MIRA 16:12)

1. Iz kafedry ftiziatzii Vysshogo meditsinskogo instituta
(zav. - prof. M.Mondesjki), Sofiya, Bolgariya.

MONDESHKI, M.; RADANOV, R.; POPOV, Iv.; SLAVOV, G.; DOBREV, P.;
PASHMAKOV, Iv.

Remote results of the treatment of tuberculous meningitis
in adults. Nauch. tr. vissh. med. inst. Sofia 41 no.7:35-47
'62.

1. Predstavena ot prof. M. Mondeshki.
(TUBERCULOSIS, MENINGEAL)
(ANTITUBERCULAR AGENTS)

RADANOV, J. - REV. V.

Studied on the incidence and forms of tuberculosis in the age group above 20 years, according to post-mortem material for the period 1948-1959. Nauch. tr. vissh. med. inst. Sofia 43 no. 23-8 1961

1. Chair of Tuberculosis (Director - prof. K. Mladenov).

L 29779-66

ACC NR: AP6020856

SOURCE CODE: BU/0016/65/000/009/0531/0537

AUTHOR: Radanov, S.; Tsokov, G.

ORG: Department of Forensic Medicine /headed by Professor M. A. Markov/, Sofia
(Katodra po sudobna moditsina pri VMI)

TITLE: Cases of sudden death as recorded in Department of Forensic Medicine of Sofia
Medical College 1924-1962

SOURCE: Suvremenna moditsina, no. 9, 1965, 531-537

TOPIC TAGS: pathology, cardiovascular system, respiratory system, circulatory
system disease, respiratory system disease

ABSTRACT: Analysis of 1914 necropsies of sudden death cases from among 11,429 necrop-
sies done 1924-1962: 972 are tabulated according to sex and 18 different cardiovas-
cular causes of death (age peaks around 50 for men, 70 for women, while children peak
in respiratory causes of death). [Based on authors' Eng. abst.] [JPRS]

SUB CODE: 06 / SUM DATE: 00Dec64 / ORIG REF: 007 / OTH REF: 003
SOV REF: 008

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RADANOV, S.

Condition of Vieussen-Thebesius vessels in pathological changes
of the heart in cases of sudden death. Nauch tr. vissh. med.
inst. Sofia 42 no.1:105-107 '63.

1. Predstavena ot prof. d-r M. Markov.
(DEATH, SUDDEN) (HEART DISEASES)
(CORONARY VESSELS) (PATHOLOGY)

RADANOV, S.

On the problem of the normal structure of the coronary arteries
in man. Nauch tr. vissh. med. inst. Sofia 42 no.1:119-135 '63.

1. Predstavena ot prof. M. Markov.
(CORONARY VESSELS) (ANATOMY)

RADANOV, S.; TSEKOV, G.

Sudden death according to data of the Department of Forensic
Medicine of the Higher Medical Institute in Sofia in 1924-1962.
Suvr. med. (Sofia) 16 no.9:531-537 '65.

1. Katedra po sudetna meditsina (rukovoditel prof. M.A. Markov),
Visah meditsinski institut, Sofia.

BULGARIA

S.D. RADANOV, Department of Forensic Medicine of Medical College (Katedra po sudebna meditsina pri VMI,) Head (rukovoditel po katedrata) Prof M. MARKOV, Sofia.

"Techniques for Studying the Heart in Pathological Anatomy and Practice of Forensic Medicine."

Sofia, Eksperimentalna Meditsina i Morfologiya, Vol 2, No 2, Apr-Jun 1963; pp 16-22.

Abstract [English summary modified]: Method involving injection of Pb₃O₄, turpentine oil and liquid paraffin in equal parts, then solidifying gelatine. This was used in studies on 180 heart specimens since 1958 and gives as illustrated, excellent visualization of even the very small cardiac coronary arteries. One plain and 3 angio-cardioentgenograms; 1 Western and 8 Soviet references.

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CEIAP, Milenko B., dr prof.; JANJIC, Tomislav J.; RADANOVIC, Dusan

Semiquantitative determination of small quantities of mercury, palladium, lead, copper, cadmium, uranium, iron, and zinc by the precipitation paper chromatography. Glas Hem dr 28 no. 1: 19-25 '63.

1. Faculty od Sciences, Institute of Chemistry, Beograd.

L 55002-65 EWT(d)/EWT(m)/EWP(v)/EWP(k)/EWP(h)/EWP(l) Po-4/Pq-4/Pf-4/Pg-4/Peb/
ACCESSION NR: AT5008641Pk-4/Pl-4 DIAAP/IJP(c) S/0000/64/000/000/0155/0163

AUTHOR: Tomovic, R. (Tomovich, R.); Radanovic, L. (Radanovich, L.)

46
45
81

TITLE: Homeostatic control of dynamic systems

SOURCE: International Federation of Automatic Control. International Congress. 2d, Rome, 1962. Samonstraivayushchiesya avtomaticheskije sistemy (Self-adaptive automatic control systems); trudy simpoziuma. Moscow, Izd-vo Nauka, 1964, 155-163

TOPIC TAGS: homeostatic mechanism, dynamic programming, mathematical model

ABSTRACT: Automatic control where the state of a parameter vector changes in order to guarantee the invariance of a few dynamic system characteristics is termed homeostatic. Dynamic system sensitivity is analyzed according to the classical perturbation theory used by Lyapunov and Poincaré. The principal advantage of the method of analysis used here lies in its applicability to non-linear as well as to linear systems. In addition it does not require solving the linearization problem which one normally encounters in the investigation of dynamic systems. The application of the given method allows effective use of electronic

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ACCESSION NR: AT5008641

computing capabilities. For simplicity the dynamic system is considered to be representable in the form $F(\ddot{x}, \dot{x}, x, t, q_0) = 0$.

If the solution can be written in the form $\dot{x} = \dot{x}(t, q_0)$, differentiation by q_0 yields the following partial differential equation:

$$\frac{\partial F}{\partial x} \ddot{u} + \frac{\partial F}{\partial \dot{x}} \dot{u} + \frac{\partial F}{\partial x} u = - \frac{\partial F}{\partial q_0} \quad (2)$$

$$u = \frac{\partial x}{\partial q_0} = u(t, q_0).$$

Many authors call equation (2) the equation of sensitivity, and the partial derivative $\frac{\partial x}{\partial q_0}$ is called the coefficient of sensitivity. It is possible to show

that the sensitivity depends on the magnitude of one or of many parameters used in the mathematical model of the given dynamic system. This leads to a discussion of the determination of the magnitude of the sensitivity in multiple-parameter space. This problem consists of the calculation of the perturbation Δx in the system solution due to a given perturbation of the parameter Δq_i . The inverse relationship is also established relating Δq_i to Δx by solving the integral equation

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$$I = \int_0^T \left[\Delta x(t) + \frac{\partial x}{\partial q_{i0}} \Delta q_i \right]^2 dt = \min \quad (i = 1, 2, \dots, m).$$

L 55002-65
ACCESSION NR: AT5008641

The principles of inverse sensitivity and of homeostatic control can be combined into one new algorithm of control in parameter space. The principle of inverse sensitivity may be used to give information for homeostatic control. The principal values of these ideas are demonstrated in a final discussion of the application of the mathematical forms to control of a Uranium reactor with graphite moderators and gas cooling. Orig. art. has: 3 figures, 12 formulas.

ASSOCIATION: none

SUBMITTED: 26Nov64

ENCL: 00

SUB CODE: DP, 1E

NO REF SOV: 001

OTHER: 006

Card *1/3*
3/3

1954, 1955.

Algeria, A. Crop yields and rainy and dry years in Algeria. p. 24.

To: Monthly List of new European Accessions List (EAL) 11, Vol. 1, No. 11
November 1955, incl.

~~GEZA~~ RADANYI, G.

HUNGARY / Chemical Technology, Chemical Products and Their Application, Part 2. - Production and Separation of Gases. H

Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 61812.

Author : Geza Radanyi.
Inst : Not given.
Title : Modern Oxygen Production.

Orig Pub: Kohasz. lapok, 1956, 11, No 7, 310 - 312.

Abstract: Fundamental problems of oxygen production in large quantities are discussed. The scheme of an air separating low pressure installation of the Linde - Frenkl type with regenerators and a compressed air turbomotor on the air circuit is described.

Card 1/1

46

RADANYI, G.

Modern processes of oxygen production and their application in the chemical industry.
p. 80

(Magyar Kemikusok Lapja. Vol. 12, no. 3, Mar. 1957. Budapest, Hungary)

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

1959

1959

Periodical: *Journal of the American Chemical Society*, Vol. 81, No. 1, 1959

1959, 1. Economical character of plants manufacturing petalungic
cyanen. 1. 20.

Monthly list of East European Accessions (SEAI) 10, Vol. 4, No. 5,
May 1959, Unclass.

RADAS, Walentyna; WAWRZAK, Barbara

Mediastinal tumor associated with post-irradiation pneumonia
with the presence of hyaline membranes in a 9-year-old boy.
Pediat. Pol. 40 no.9:995-998 S 165.

I. Z Kliniki Onkologii Dziecięcej (Kierownik: doc. dr. med.
J. Bozek) i z Zakładu Anatomii Patologicznej (Kierownik:
lek. K. Borowiczowa) Instytutu Matki i Dziecka w Warszawie
(Dyrektor: prof. dr. med. B. Gernacki).

RADASANU, Stela, prof. (Suceava)

Itineraries of excursions through the Suceava region.
Natura Biologie 16 no.3:78-82 My-Je '64.

PHASE I BOOK EXPLOITATION

566

Nekrasov, B. M., Kdashkovich, I. M.; Engineers

Elektrosvarka kontaktov puskoreguliruyushchey apparatury (Electric Welding of Contacts for On-off Controls) Leningrad, 1956. 7 p. (Series: Leningradskiy dom nauchno-tekhnicheskoy propagandy. Informatsionno-tekhnicheskij listok, no. 18. Svarka i payka metallov) 6,000 copies printed.

Sponsoring Agencies: Leningradskiy dom nauchno-tekhnicheskoy propagandy, and Vsesoyuznoye obshchestvo po rasprostraneniyu politicheskikh i nauchnykh znaniy.

Ed.: Ryzhik, Z. M., Engineer; Tech. Ed.: Gvirtz, V. L.

PURPOSE: This booklet is intended for engineers in the field of automation, specifically, with regard to electrical contact systems.

Card 1/2

Electric Welding of Contacts (Cont.)

566

COVERAGE: The booklet describes the method of spot-welding contacts of on-off controls as developed and employed by the [Leningrad Electrical-Equipment] Plant "Elektrik" and the Vsesoyuznyy nauchno-issledovatel'skiy institut elektrosvarochnogo oborudovaniya (All-Union Scientific Research Institute for Electric-welding Equipment). There are 3 references, all Soviet. No personalities are mentioned.

TABLE OF
CONTENTS:

Selection of a Machine for Welding Contacts	1
Special Features of the Contact Welding of Silver Contacts and Other Parts of On-off Controls	3
Welding of Cermet Contacts	4
Conclusion	8
References	9

AVAILABLE: Library of Congress

Card 2/2

GO/jmr
8-20-58

AID P - 4874

Subject : USSR/Engineering
Card 1/2 Pub. 107-a - 8/14
Authors : Nekrasov, B. M. and I. M. Radashkovich
Title : Electrowelding of contacts of starters and control equipment.
Periodical : Svar. proizvod., 4, 18-22, Ap 1956
Abstract : The authors present experiments carried out at the "Elektrik" plant in Leningrad and the Institute of Electro-welding Equipment (VNIIESO) on the development of machinery and techniques for welding silver and cermet contacts. The MPT-75 and MTP-30 spot welding machines are fully described and illustrated, as well as various metal and ceramic contacts. An elaborate chart of welding characteristics, materials, forms, etc. is given. Two photos, 4 drawings.

Svar. proizv., 4, 18-22, Ap 1956

AID P - 4874

Card 2/2 Pub. 107-a - 8/14

Institutions: "Elektrik" plant in Leningrad and the Institute of Electro-welding Equipment (VNIIESO).

Submitted : No date

AID P - 5245

Subject : USSR/Engineering

Card 1/1 Pub. 107-a - 5/9

Authors : Glebov, L. V., Eng. and I. M. Radashkovich, Eng. (VNIIESO)
(the "Electrician" Plant)

Title : About the "Use of the MTP and MShP resistance welding machines for welding of low melting alloys", by D. S. Balkovets, Kand. of Tech. Sci. and P. L. Chuloshnikov, Eng.

Periodical : Svar. proizvod., 8, 24-25, Ag 1956

Abstract : The article above was published in this magazine (No. 12, 1955). Severely criticizing the article by Balkovets and Chuloshnikov, the authors present a list of several special spot-welding machines for welding low-melting alloys. One photo, 1 drawing and an oscillogram.

Institution : All-Union Scientific Research Institute of Electric Welding Equipment (VNIIESO).

Submitted : No date

Radashkovich, I.M.

110-4-18/25

AUTHORS: Karelin, A.M., and Radashkovich, I.M., Engineers

TITLE: Machine type *МШШШ*-400 for Seam-welding of Aluminium Alloys
(Mashina MShShI-400 dlya shovnoy svarki alyuminiyevykh
splavov)

PERIODICAL: Vestnik Elektromyshlennosti, 1958, No. 4, pp. 55 - 62 (USSR):
29 -

ABSTRACT: Until recently, there has been a lack of special equipment for seam-welding light alloys. Heavy welding currents are required for this purpose and as the products are apt to be large and the return circuits correspondingly long, welding voltages and powers are high. In 1955, the "Elektrik" Works produced a special machine for welding light alloys, type *МШШШ*-400-2, which has been somewhat modernised this year. Technical and performance data for the machine are tabulated. It takes 1 400 kVA from a 380 V, 3-phase circuit and is a further development of type *МТШ* impulse machines for spot-welding light alloys. During the process of welding, impulses of direct voltage and alternating polarity of regulated duration are delivered to the primary of the welding transformer by a power rectifier. It is a bridge-connected 3-phase, full-wave rectifier using ignitrons, Card 1/3 type *Н*-100/5 000 and has a stabilising device which maintains the

110-4-18/25

Machine type M₁W₁-400 for Seam-welding of Aluminium Alloys

output voltage steady to within $\pm 3\%$. The operation of the stabilising device controlled by an auxiliary 3-phase full-wave rectifier. This is a replica of the main power rectifier; the operation of the stabilisation system can therefore be evaluated from the readings of a voltmeter connected to the output of the auxiliary rectifier. In order to explore the operating properties of commutators, the machine at present has two independent power commutators, one mechanical and one of the ignitron type. A special control device mounted on the same shaft as the mechanical commutator controls the duration and sequence of the welding current impulses.

The circuit of the commutator brushes and their operating sequence are shown in Fig.1 and explained in the article. A general view of the machine, which is of the conventional seam-welding type with rollers, is given in Fig.2. A kinematic diagram of all the drives and gearing appears in Fig.3 and is explained. Fig. 4 shows the circuit of the machine drive and commutating device and a full diagram of the supply and control circuits is given in Fig.5. The various parts are explained at length, including the supply arrangements and the stabiliser. Tests were made of seam-welding conditions for light alloys,

Card2/3

110-4-18/25

Machine type MЛWVA-400 for Seam-welding of Aluminium Alloys

brands Δ 16T and AMUM; the appearance of one of the welds is photographed in Fig.6. It is concluded that machine MЛWVA-400-2 produces a high-quality weld in large light-alloy parts in thicknesses of 2.5 + 2.5 mm. Alloys type AMΓ can be welded in thicknesses up to 3 + 3 mm. The d.c.-impulse principle adopted in this machine ensures welds of good quality, uses less power than an a.c. machine and gives balanced loading on the three-phase system. The use of voltage stabilisation gave uniform welds and the machine is well adapted to mass production. There are 6 figures and 2 Russian references.

ASSOCIATION: "Elektrik" Works (Zavod "Elektrik")

SUBMITTED: March 3, 1957

AVAILABLE: Library of congress

Card 3/3

ACCESSION NR: AP4039559

S/0135/64/000/005/0011/0012

AUTHORS: Glebov, L. V. (Candidate of technical sciences); Radashkovich, I. M.
(Engineer)

TITLE: Electrical resistivity of machine details during seam welding

SOURCE: Svarochnoye proizvodstvo, no. 5, 1964, 11-12

TOPIC TAGS: steel welding, low carbon steel, machine detail, electric resistivity,
shunting, welder MShP 150 LB

ABSTRACT: The relation of electrical resistivity to welding parameters in welding
of machine details was studied experimentally at the plant "Elektrik" ("Electric")
in order to expand the existing data. Experiments were performed with a MShP-150-
LB welding machine on low-carbon steel 1-2 mm thick. Electrical resistivity
was calculated from the formula:

$$R_{\delta} = \frac{U_2}{I_2},$$

where U_2 - drop in voltage at the detail welded, and I_2 - welding current. Voltage
Card 1/3

ACCESSION NR: AP4039559

was registered by the gliding contacts. The secondary current values were determined by multiplying the primary current value by the transformation coefficient. The study revealed that the nature of resistivity variation in the process of spot welding differed between the first and subsequent spots. This was especially well expressed in welding of tight seams, as described by A. S. Gel'man (Kontaknaya elektrosvarka. Mashgiz, 1944). At the second point the resistivity decreased but the nature of its variation remained the same. A still greater variation was observed at the third spot. The general nature of the resistivity variation could be established after the first four or five spots. The relation between the resistivity and stress at the rollers was studied for steel thickness $1 + 1$ mm and $1.5 + 1.5$ mm. The results showed that the ratio of the resistivity values obtained during spot and seam welding lay within the limits 1.8-2.2. This ratio increased with the increase in steel thickness. Different results were obtained in seam and spot welding after completion of the fifth point. The resistivity ratio ($k = R_{\text{seam}}/R_{\text{spot}}$) was 1.3 for steel thicknesses $1 + 1$ mm, 1.51 for $1.5 + 1.5$ mm, and 1.6 for $2 + 2$ mm. In welding of thin details the effect of the shunting current was small, but it became significant in the welding of thick details and lowered considerably the quality of the product. Orig. art. has: 1 table and 6 figures.

Card 2/3

ACCESSION NR: APl4039559

ASSOCIATION: Leningradskiy zavod "Elektrik" (Leningrad Plant "Elektrik")

SUBMITTED: 00

DATE ACQ: 14Jun64

ENCL: 00

SUB CODE: MM

NO REF SOV: 000

OTHER: 005

Card 3/3

RADAUTSAN, S. I.: ²⁰⁰¹Master Phys-Math Sci (diss) -- "Investigation of some solid solutions of semiconductors based on indium arsenide". Leningrad, 1958. 15 pp (Acad Sci USSR, Phys-Tech Inst), 150 copies (KL, No 6, 1959, 125)

AUTHORS: Goryunova, V. A., Radautsan, S. I. SOV/57-23-9-8/33

TITLE: Solid Solutions in the System InAs - In₂Se₃ (Tverdyye
rastvory v sisteme InAs - In₂Se₃)

PERIODICAL: Zhurnal tekhnicheskoy fiziki, 1958, ^{Vol 28} No 9, pp. 1917-1921
(USSR)

ABSTRACT: This paper is a continuation of the investigations of the homogeneous domains with a zincblende structure in the pseudobinary cross-sections of ternary systems which were carried out in the Leningrad Physical and Technical Institute. The results of the investigation of the InAs - In₂Se₃-system according to various methods show that in this system a number of solid substitution solutions are found ranging from 100% InAs to 40% InAs-60% In₂Se₃, inclusively. As was found in the GaAs - Ga₂Se₃-system (Ref 5) the diffusion in the solid state is obstructed in connection with the covalent character of the chemical binding. A long-term annealing, however, leads to a certain homogenization of the alloys, which

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Solid Solutions in the System InAs - In₂Se₃

SOV/57-23-9-9/43

is substantiated by the diminution of the dendrites. According to the results of the x-ray diffraction experiments annealing under pressure considerably accelerates this process. The possibility of the formation of solid solutions in the InAs - In₂Se₃-system indicates that the type of binding in both binary components is very similar. In the near future the electrical properties of samples of this system will be thoroughly investigated in order to find out whether they are qualified for practical use. An X-ray analysis was carried out by I. I. Izraelov and N. V. Struchalina. The authors express their thanks to Prof. D. N. Nosledov for his constant interest in the progress of this study, and his help in creating the necessary conditions for making it. There are 7 figures, 2 tables, and 11 references, 4 of which are Soviet.

INSTITUTION: Leningradskiy fiziko-tekhnicheskii institut AN SSSR
(Leningrad Physical and Technical Institute, AN USSR)

DATE RECEIVED: October 14, 1957
Card 2/3

24(6)
AUTHORS: Goryunova, N. A., Radautsan, S. I. SOV/20-121-5-22/50

TITLE: The Solid Solutions in the System InAs-In₂Te₃ (Tverdyye
rastvory v sisteme InAs - In₂Te₃)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol 121, Nr 5,
pp 848 - 849 (USSR)

ABSTRACT: This paper gives the results of the investigation of the
system In-As-Te. In the pseudobinary section InAs-In₂Te₃
of this section solid substitution solutions (tverdyye
rastvory zameshcheniya) formed according to the principle
of heterovalent isomorphism were observed. As initial
material for the synthesis, the following materials
were used: 99,995 pure indium, arsenic after a double
sublimation in a vacuum, and tellurium after a double
sublimation in a vacuum and after a 12-fold purification
by zone melting. The authors synthesized 7 compositions
of the section InAs-In₂Te₃; the composition of the alloys
is given in a table and the experimental conditions are
discussed in short. According to the results of the X-ray

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The Solid Solutions in the System InAs-In₂Te₃

SOV/20-121-5-22/50

analysis, all the samples have the structure of the zinc blende (sphalerite) where the lattice parameter depends linearly on the composition. In this pseudo-binary section, therefore, there are solid substitution solutions in the entire concentration interval. Besides the lines which are characteristic of the structure of the zinc blende type, additional lines were found in the Debye (Debye) crystallograms of In₂Te₃. There were

no such lines in the investigated solid solutions. The differential thermal analysis was carried out by means of the optical pyrometer developed by Kurnakov. The results of this thermal analysis confirm the results of structural analysis by means of X-rays. The authors found clear critical points for the solidus and for the liquidus, which are characteristic of the diagram of state of solid solutions. A dendrite structure (in addition to a grain structure) was found in some samples. According to the experimental results of this paper, solid solutions are formed in the system InAs-In₂Te₃.

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The Solid Solutions in the System InAs-In₂Te₃

SOV/20-121-5-22/50

The investigation of electric properties as a function of composition would be very interesting. Moreover, it is necessary to investigate the photoelectric properties of the alloys. The comparison of the physico-chemical and of the electric properties of such systems may supply some information concerning the mechanism of the processes investigated. The authors thank Professor D.N.Nasledov for his constant interest in this paper. There are 2 figures, 1 table, and 9 references, 5 of which are Soviet.

ASSOCIATION: Fiziko-tekhnicheskiy institut Akademii nauk SSSR (Physico-Technical Institute, AS USSR)

PRESENTED: April 18, 1958, by A.F.Ioffe, Academician

SUBMITTED: April 4, 1958
Card 3/3

GORYUNOVA, N.A.; RADAUTSAN, S.I.; DERYABINA, V.I.

Homogenization of alloys of the system InAs - In₂Se₃ by means of
annealing under pressure. Fiz. tver. tela 1 no.3:512-514 Mr '59.
(MIRA 12:5)

Leningradskiy fiziko-tekhnicheskij institut AN SSSR.
(Systems (Chemistry))