RAKITNIKOV, A.N.; SOLOVTSOVA, T.A.

Yergeni Hills and the Caspian Depression. Uch.zap.Mosk.un. no.160:79-133 '52. (MLRA 8:3)
(Caspian Depression--Economic geography)
(Yergeni Hills--Economic geography)

GLAZOVSKAYA, M.A.; RAKITNIKOV, A.N.

Geographic investigation of the Caspian Depression. Vest.Mosk.un. 8 no.12:139-141 D '53. (MLRA 7:2)
(Caspian Depression--Physical geography) (Physical geography--Caspian Depression)

USSR/ Geography - Expeditions

Card 1/1 Pub. 45 - 10/16

Authors : Rakitnikov, A. N.

Title : On the procedure for expeditionary economical-geography work

Periodical : Izv. AN SSSR. ser. geog. 1, 74-83, Jan-Feb 1954

Abstract : The author divides material for geographical study into two kinds; that which can be obtained without making expeditions, and that requiring expeditions and claims that the latter are not properly organized. The principle objection is that material for purely statistical purposes should be gathered by fixed stations and not through expeditions. Examples of proper organization are given. Four Russian references (1947-1950). Map; table.

Institution : ...

Submitted : ...

A. N. RAKITNIKOV (MGU)

"A Method of Dividing the Country into Agricultural Regions"

report presented at an Inter-University Conference on Dividing the USSR into Economic Regions, 1-5 February 1958, Moscow, (Izv. Ak nauk SSSR, 4,146-49; 1958 author - Gvozdetskiy, N. A.)

ANDREYEV, B.I., kand. ekonomicheskikh nauk, dots.; LYALIKOV, N.I., kand. geograficheskikh nauk, dots.; NIKITIN, N.P., prof.; NIKOL'SKIY, I.V., kand. geograficheskikh nauk, dots.; RAKITNIKOV, A.N., kand. geograficheskikh nauk, dots.; STEPANOV, P.N., doktor geograficheskikh nauk, prof.; TUTYKHIN, B.A., kand. geograficheskikh nauk, dots.; CHERDANTSEV, G.N., prof., red.; RODIONOVA, F.A., red.; TYUTYUNNIK, S.G., red. kart.; MAKHOVA, N.N., tekhn.red.

[Economic geography of the U.S.A.R.; general characteristics and the geography of branches of the Soviet national economy] Ekonomicheskaia geografiia SSSR; obshchaia kharakteristika i geografiia otraslei narodnogo khoziaistva SSSR. Moskva, Gos. uchebno-pedagog. izd-vo M-va prosv. RSFSR, 1958. 275 p. (MIRA 11:12)
(Geography, Economic)

RAKITNIKOV, A.N.

Agricultural regionalization of the U.S.S.R. Vop. geog. no.47:74-103 '59. (MIRA 13:1)

(Agriculture--Economic aspects)

RAKITNIKOV, A.N.

Some peculiarities of the historical geography of crop cultures and stockbreeding in Central Asia. Vop. geog. no.50:71-90. (MIRA 13:9)

(Soviet Central Asia--Agriculture)

AKRAMOV, Z.M., kand. geogr. nauk; RAKITNIKOV, A.N., kand. geograf. nauk; ZAMKOV, O.K., kand. geograf. nauk; SHERMUKHAMEDOV, A.M. [deceased]; SAUSHKIN, Yu.G., doktor geograf. nauk, prof, otv. red.; DEGTYAR', V.I., red.; KHISAMOV, A.V., kand. geograf. nauk, red.; ASTAKHOV, A., red.; GOR'KOVAYA, Z.P., tekhn. red.

[Agricultural geography of Samarkand and Bukhara Provinces] Geografiia sel'skogo khoziaistva Samarkandskoi i Bukharskoi oblasti. [By]Z.M.Akramov i dr. Tashkent, Izd-vo Akad. nauk UzSSR. Pt.2. 1961. 323 p. (Materialy Zeravshanskoi ekspeditsii SOPS AN UzSSR, no.1) (MIRA 16:4)

1. Akademiya nauk Uzbekskoy SSR. Tashkent. Otdel geografii. 2. Nachal'nik Otdela sel'skogo khozyaystva Gosplana Uzbekskoy SSR (for Degtyar').
(Bukhara Province--Agricultural geography)
(Samarkand Province--Agricultral geography)

RAKITNIKOV, A.N.; GVOZDETSKIY, N.A.; ZVONKOVA, T.V.

Division of Samarkand and Bukhara Provinces into natural and agricultural regions. Vop. geog. no.55:138-181 '61. (MIRA 15:1)
(Samarkand Province--Agriculture) (Bukhara Province--Agriculture)

KOROVITSYN, V.P.; NIKOL'SKIY, I.V.; RAKITNIKOV, A.N.

Nikolai Nikolaevich Baranskii; on his 80th birthday. Izv. Vses. geog. ob-va 93 no.4:292-296 Jl - Ag '61. (MIRA 14:7)
(Baranskii, Nikolai Nikolaevich, 1881 -)

RAKITNIKOV, A.N.

[Method for studying the economic land utilization for composing large scale maps; seminar on agricultural geography] Metodika izucheniia khoziaistvennogo ispol'zovaniia zemel' dlia sostavleniia krupnomasshtabnykh kart; seminar po geografii sel'skogo khoziaistva. Moskva, 1962. 22 p. (MIRA 17:5)

1. Moscow. Gosudarstvennyy universitet im. M.V.Lomonosova. Geograficheskiy fakul'tet. 2. Seminar po geografii sel'skogo khozyaystva Geograficheskogo fakul'teta Moskovskogo gosudarstvennogo universiteta imeni M.V.Lomonosova.

GLAZOVSKAYA, M.A., prof., red.; RAKITNIKOV, A.N., dots., red.;
KAPLIN, P.A., red.; BELYAKOVA, Ye.V., red. izd-va;
LAZAREVA, L.V., tekhn. red.

[Nature and agriculture in the Volga-Akhtuba Flood Plain and Volga Delta] Priroda i sel'skoe khoziaistvo Volgo-Akhtubinskoi doliny i del'ty Volgi; trudy. Moskva, Izd-vo Mosk. univ., 1962. 448 p. (MIRA 15:4)

1. Prikaspiyskaya ekspeditsiya.
(Volga-Akhtuba Flood Plain--Agriculture)
(Volga Delta--Agriculture)

RAKITNIKOV, A. N.

Conditions of the development and geographical localization of the agricultural system. Vest. Mosk. un. Ser. 5: Geog. 17 no.5: 9-11 S-O '62. (MIRA 15:10)

1. Kafedra ekonomicheskiy geografii SSSR Moskovskogo universiteta.

(Agricultural geography)

IVANOV, K.I., red.; BELOTSERKOVSKIY, M.Yu., red.; BOLYSHEV, N.N., red.; GEDYMIN, A.V., red.; GLAZOVSKAYA, M.A., red.; GOLOVENKO, S.V., red.; ZVORYKIN, K.V., red.; IGNAT'YEV, G.M., red.; KUZNETSOV, G.A., red.; LEBEDEV, N.P., red.; LEBEDEV, P.N., red.; RAKITNIKOV, A.N., red.; SHEYNIN, L.B., red.; GREBTSOV, P.P., red.; YERMAKOV, M.S., tekhn. red.

[Accounting for and the evaluation of agricultural land] Uchet i otsenka sel'skokhoziaistvennykh zemel'. Pod red. K.I. Ivanova. Moskva, Izd-vo Mosk. univ., 1963. 385 p. (MIRA 16:7)

(Farm--Valuation) (Soils--Classification) (Cadasters)

Andrei Mikolaevich Rakitnikov; on his 60th birthday. Vest. Mosk. un. Ser. 5: Geog. 18 no.2:68-69 Mr-Ap '63. (MIRA 16:3)
(Rakitnikov, Andrei Nikolaevich, 1903-)

RAKITNIKOV, A.N.

"Problems affecting the economic utilization of the Volga-Akhtuba flood plain and the Volga Delta." Reviewed by A.N.Rakitnikov. Vest. AN SSSR 33 no.7:127-128 Jl '63. (MIRA 16:8)
(Volga-Akhtuba flood plain) (Volga Delta)

VITVER, I. A.; GOKHMAN, V. M.; MAYERGOYZ, I. M.; RAKITNIKOV, A. N.

In memory of Nikolai Nikolaevich Baranskii, 1881-1963.
Izv Vses geog ob-va 96 no. 1:81-82 Ja-F '64. (MIRA 17:5)

RAKITNIKOV, A.N.

Methods for studying and mapping land utilization. Vest. Mosk. un. Ser. 5: Geog. 19 no.1:12-17 Ja-F '64. (MIRA 17:4)

1. Kafedra ekonomicheskoy geografii SSSR Moskovskogo universiteta.

RAKITO, E. I.

Russia (1923- U.S.S.R.)

Semiautomatic block systems and mechanical sygnalling; manual for electricians and construction men. 3. perer. izd. Moskva, Gos. transp. zhel. dor. izd-vo,

Collation of the original: 379 p.

Microfilm Slavic: 339 AC

1. Railroads - Signaling - Block system. I. Rakito, E. I.

RAKITO, E.I.

RAKITO, E.I., sostavitel'; BORISOV, D.P., sostavitel'; KRYLOV, S.K., redaktor.

[Manual for the electrician and fitter of non-automatic signal equipment and the staff system] Rukovodstvo elektromekhaniku i monteru nezavisimodeistvuiushchei signalizatsii i zhezlovoi sistemy. [Sostavili: Rakito, E.I. i Borisov, D.P.] 2. dop. i ispr. izd-vo, Moskva, Gos. transp. zhel-dor. izd-vo, 1946. 211 p. (MLRA 7:8)

1. Russia (1923- U.S.S.R.) Ministerstvo putey soobshcheniya. (Railroads-Signaling)

GOLOVKIN, M.K., inzhener, sostavitel'; RAKITO, E.I., redaktor; MATSEYEVSKAYA, Ye.M., tekhnicheskiy redaktor.

[Handbook for electricians and installers of railroad signal central control and block systems] Pamiatka elektromekhaniku i monteru STsB. 4-e, perer. izd. Moskva, Gos. transp. zhel-dor. izd-vo, 1953. 86 p. [Microfilm] (MLRA 7:11)
(Railroads--Signaling)

RAKITO, E.I.; BORISOV, D.P.; KRYLOV, S.K., redaktor; VERINA, G.P., tekhnicheskiy redaktor.

[Handbook for electric engineers and technicians servicing fixed signals and the staff system] Rukovodstvo elektromekhaniku i monteru nezavisimodeistvulushchei signalizatsii i zhezlovoi sisteмy. 3-e perer. izd. Moskva, Gos. transp. zhel-dor. izd-vo, 1954. 286 p. (MLRA 8:1)

1. Russia (1923- U.S.S.R.) Ministerstvo putey soobshcheniya. (Railroads--Signaling)

BUZINIKR, Dina Mikhaylovich; GAL'YAHOV, Viktor Fedorovich; RAKITO,E.I., redaktor; YUDZON,D.M., tekhnicheskiy redaktor

[Operation of the communications control room] Ekspluatatsiia ustroistv lineino-apparatnogo zala. Moskva, Gos.transp.shel-dor.izd-vo, 1955. 69 p. (MLRA 9:3)
(Railroads--Communication systems)

RYAZANTSEV,B.S., kandidat tekhnicheskikh nauk, redaktor; RAKITO,E.I., redaktor; YUDZON,D.M., tekhnicheskiy redaktor

[Progressive work methods of communication workers] Peredovye methody truda rabotnikov signalizatsii i sviazi. Moskva, Gos. transp.zhel-dor.izd-vo, 1955. 98 p. (MLRA 9:1)
(Telecommunication)

RYAZANTSEV, B.S., kandidat tekhnicheskikh nauk; redaktor; POGODIN, A.M., inzhener, redaktor; RAKITO, E.I., redaktor; KHITROV, P.A., tekhnicheskiy redaktor.

[A collection of articles on new techniques in railroad signaling, centralized control, block-systems and communications] Sbornik statei po novoi tekhnike STsB i sviazi. Moskva, Gos.transp.zheldor. izd-vo, 1955. 298 p. (MLRA 9:6)
(Railroads--Signaling)

KUT'IN, I.M., kandidat tekhnicheskikh nauk; GOLOVKIN, M.K., inzhener; STEPANOV, N.M.; RAKITO, E.I., redaktor; KHITROV, P.A., tekhnicheskiy redaktor

[A guide for the electrician and wireman of the automatic railroad signal block system] Rukovodstvo elektromekhaniku i monteru avtoblokirovki. Izd. 4-oe, perer. i dop. Moskva, Gos. transp. zhel-dor. izd-vo 1956. 303 p. (MLRA 9:11)

1. Russia (1923- U.S.S.R.) Ministerstvo putey soobshcheniya. (Railroads--Signaling--Block system)

CHETVERIKOVA, Yevdokiya Aleksandrovna; PEREBOROV, Aleksandr Sergeyevich; RAKITO, E.I., redaktor; VERINA, G.P., tekhnicheskiy redaktor

[General course on railroad signaling, centralization and block-systems] Obshchii kurs signalizatsii, tsentralizatsii i blokirovki. Moskva, Gos. transp. zhel-dor. izd-vo, 1956. 310 p. (MLRA 9:8)
(Railroads--Signaling)

LUPAL, Nikolay Vasil'yevich, professor; PERMEROV, Aleksandr Sergeyevich, dotsent; RATNIKOV, Vladimir Dmitriyevich, inzhener; ZEDOV, Viktor Nikolayevich, dotsent; GAMBURG, Ye.Yu., redaktor; RAKITO, E.I., redaktor; KHITROV,P.A., tekhnicheskiy redaktor

[Automatic control and telemechanics at railroad stations; remote control of switches and signals] Avtomatika i telemekhanika na stantsiiakh; teleuprovlenie strelkami i signalami. Pod obshchei red. N.V.Lupala. Moskva, Gos.transp.zhel-dor. izd-vo, 1956. 395 p. (MLRA 9:12)
(Railroads--Signaling)
(Railroads--Switches)
(Remote control)

FEDOT'YEV, Pavel Viktorovich; BAKITO, M.I., redaktor; KHITROV,P.A., tekhnicheskiy redaktor

[Signaling, central control, and block systems and their maintenance] Ustroistva signalizatsii, tsentralizatsii i blokirovki i ikh soderzhanie. Moskva, Gos.transp.zhel-dor. izd-vo, 1956. 430 p. (MLRA 10:1)
(Railroads--Signaling)

GONCHUKOV, V.S.; IVAN'KO, T.Ya.; KRASNYANSKIY, I.I.; LARIN, L.A.; MAKHON'KO, M.S.; RAKITO, N.I.; SAVEL'YEV, V.A.; SELIVON, V.A.; KHOKHORIN, A.I.; ZELEVICH, P.M., Inzhener, redaktor; VERINA, G.P., tekhnicheskiy redaktor

[Manual for builders of narrow-gauge railroads] Spravochnik stroitelia uzkokoleinykh zheleznykh dorog. Moskva, Gos. transp.zhel-dor. izd-vo, 1956. 438 p. (MLRA 10:1)
(Railroads, Narrow-gauge)

ZHIL'TSOV, Petr Nikolayevich; RAKITO, E.I., redaktor; KHITROV, P.A., tekhnicheskiy redaktor.

[Dispatch centralization of time codes] Dispetcherskaia tsentralizatsiia vremennogo koda. Moskva, Gos.transp.zhel-dor.izd-vo, 1957. 49 p. (Railroads--Signaling)

MAZALOV, Andrey Trifonovich; GOLOVAN', Pavel Fedotovich; GONCHAROV, Pavel Nikolayevich; MASLOV, Aleksey Trofimovich; RAKITO, Eduard Iosifovich; CHERMENEV, N.M., inzhener, redaktor; VARINA, G.P., tekhnicheskiy redaktor

[Installation of automatic blocking apparatus and electric centralization] Montazh ustroistv avtoblokirovki i elektricheskoi tsentralizatsii. Moskva, Gos.transp.zhel-dor. izd-vo, 1957. 399 p. (MLRA 10:9)
(Railroads--Signaling--Block system)

KAZAKOV, Aleksandr Aristarkhovich; RAKITO, E.I., redaktor; BOBROVA, Ye.N., tekhnicheskiy redaktor

[Electric centralization of switches and signaling] Elektricheskaia tsentralizatsiia strelok i signalov. Izd. 3-e, perer. i dop. Moskva, Gos. transp. zhel-dor. izd-vo, 1957. 447 p. (MLRA 10:6)
(Railroads--Signaling)

VAKHNIN, Mikhail Ivanovich; VLODAVSKIY, Moisey Il'ich; IL'YENKOV, Viktor Ivanovich; KOTLYARENKO, Nikolay Fedorovich; MAYSHEV, Petr Vladimirovich; BRYLEYEV, A.M., doktor tekhn.nauk, retsenzent; RAKITO, B.I., redaktor; CHERMENEV, N.M., redaktor; VERINA, G.P., tekhnicheskiy redaktor.

[Automatic control and telemechanics for railroad lines] Avtomatika i telemekhanika na peregonakh] Avtomatika i telemekhanika na peregonakh. Pod obshchei red. M.I.Vakhnina. Moskva, Gos.transp.zhel-dor.izd-vo, 1957. 435 p. (MIRA 10:12)

(Railroads--Signaling--Block system)

ALEKHIN, Klavdiy Alekseyevich; ZEKTSER, David Markovich; RAKITO, B.I., red.; VERINA, G.P., tekhn.red.

[Coding; relays; construction, testing, and regulating] Kodovye rele; ustroistvo, proverka i regulirovka. Moskva, Gos. transp. zhel-dor. izd-vo, 1958. 95 p. (MIRA 11:12)
(Electric relays)

KRIVOBOKOV, Ivan Andreyevich,; RAKITO, Eduard Iosifovich, nauchnyy red.; IVANOVA, K.N., red.; ROGACHEV, F.V., red.; SUSHKEVICH, V.I., tekhn. red.

[Practical training of electricians in signaling, centralized control and block systems; manual for instructors of railroad and technical] Proizvodstvennoe obuchenie elektromonterov po signalizatsii, tsentralizatsii i blokirovke (STsB); v pomoshch' masteram proizvodstvennogo obucheniia ZhU i TU. Moskva, Vses. uchebno-pedagog. izd-vo Trudrezervizdat, 1958. 103 p.
(MIRA 11:11)

(Electric engineering--Study and teaching)
(Railroads--Electric equipment)

FEDOT'YEV, Pavel Viktorovich; RAKITO, E.I., red.; KHITROV, P.A., tekhn.red.

[Electromechanical systems of automatic control and telemechanics] Elektromekhanicheskie ustroistva avtomatiki i telemekhaniki. Moskva, Vses.izdatel'sko-poligr.ob"edinenie M-va putei soobshcheniia, 1960. 351 p. (MIRA 13:5)

(Railroads--Signaling)

RAKITO, E. I.

Reinforced concrete supports for high-voltage signaling lines of automatic block systems. Avtom. telem. i sviaz' 4 no.9:26-27 S '60. (MIRA 13:9)

1. Starshiy inzhener tresta "Transsignalstroy".
(Electric lines—Poles)
(Railroads—Signaling—Block system)

MAKITO, E.I., starshiy inzhener

Installation of SP-1 electric switch drives. Avtom., telem. i sviaz' 6 no.6:15-20 Je '62. (MIRA 15:7)

1. Trest "Transsignalstroy".
(Railroads—Switches)

MURAVIN, Veniamin Moiseyevich; POLTORAK, Yefim Tsalikovich; RAKITO, E.N., red.; KHITROV, P.A., tekhn.red.

[Repair of the equipment and mechanisms of signaling, centralized control and block systems] Remont priborov i mekhanizmov STsB. Moskva, Gos.transp.zhel-dor.izd-vo, 1958. 299 p. (MIRA 12:3)
(Railroads--Electric equipment--Maintenance and repair)

MEUGASOV, Nikolay Mikhaylovich, dots.; STEPANOV, Nikolay Mikhaylovich, inzh.; NOVIKOV, Valentin Dmitriyevich, inzh.; RAKITO, E.O., red.; CHEKMENEV, N.M., red.; KHITROV, P.A., tekhn.red.

[Planning automatic block systems for railroad transportation] Proektirovanie avtomaticheskoi blokirovki na zheleznodorozhnom transporte. Moskva, Gos. transp. zhel-dor. izd-vo, 1958. 347 p. (MIRA 11:5)

(Railroads--Signaling--Block system)

BELYAZO, Ivan Afanas'yevich, DMITRIYEV, Valeriy Nazumnikovich, NIKITINA, Yelena Vasil'yevna, PESTRIKOV, Aleksandr Nikolayevich, RAKITO, Z.I. red.

[Electric interlocking systems] Elektricheskie releinye tsentralizatsii. Moskva, Gos. transp. zhel-dor. izd-vo, 1958. 195 p. (MIRA 11:9)
(Railroads--Signalling--Interlocking systems)

RAKITOV, A.I.

3-58-3-11/32

AUTHOR: Rakitov, A.I., Candidate of Philosophical Sciences

TITLE: The Most Important and the Most Difficult (Samoye vazhnoye i samoye trudnoye) On the Methods Applied in Seminars on Philosophy (K metodike seminarov po filosofii)

PERIODICAL: Vestnik Vysshey Shkoly, 1958, Nr 3, pp 45 - 51 (USSR)

ABSTRACT: Since the 1957/58 school year, dialectical and historical materialism are being taught at all USSR vuzes as an independent subject. In the majority of technical vuzes the study of philosophy is based on a 70-hour program, of which 30 hours are intended for seminars. Taking into consideration the great responsibility of the instructors, the author sets forth his views on the organization and methods to be applied in conducting seminars on these subjects. There are 2 Soviet references.

ASSOCIATION: Moskovskiy institut narodnogo khozyaystva imeni G.V. Plekhanova (Moscow Institute of National Economy imeni G.V. Plekhanov)

AVAILABLE: Library of Congress

Card 1/1

RAKITOV, A.I.

Basic results of and trends in oil and gas prospecting in Astrakhan Province and the Kalmyk A.S.S.R. Trudy VNIGNI no.28:33-39 '60. (MIRA 14:4)

1. Astrakhanskaya kontora razvedochnogo bureniya.
(Volga Valley—Petroleum geology)
(Volga Valley—Gas, Natural—Geology)

RAKITOV, A.I.

Results of geological prospecting for oil and gas in the western Caspian Lowland and the outlook for its development. Trudy VNIGNI no.32:61-66 '60. (MIRA 14:7)

1. Astrakhanskaya kontora razvedochnogo bureniya.
(Caspian Lowland--Petroleum geology)
(Caspian Lowland--Gas, Natural--Geology)

EVENTOV, Ya.S.; RAKITOV, A.I.; PRONICHEVA, M.V.; SAZONOVA, I.G.; SOKOLIN, Kh.G.; TSIBIZOV, G.G.

Trends in prospecting for oil and gas in Astrakhan Province and the northeastern Kalmyk A.S.S.R. Geol.neft i gaza 6 no.10:41-46 O '62. (MIRA 15:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy neftyanoy institut, Moskva.
(Astrakhan Province--Prospecting)
(Kalmyk A.S.S.R.--Prospecting)

RAKITOV, A.I., kand. filosofskikh nauk, dotsent

Subject matter, structure, and gnoseological function of statistics. Trudy MIIT no.223:86-107 '65. (MIRA 18:11)

Rakitov, D.I.

VIDUYEV, N.G.; RAKITOV, D.I.; TOVSTOLES, N.I., redaktor; MINEVICH, I., tekhredaktor

[Hydrographic levelling of rivers, canals and reservoirs] Nivelirovanie rek, kanalov i vodokhranilishch. Kiev, Gos. izd-vo tekhn. lit-ry, USSR, 1952. 205 p. [Microfilm] (MLRA 7:10)
(Hydrographic surveying) (Levelling)

RAKITOV,

VIDUYEV, N.G., doktor tekhnicheskikh nauk, professor; RAKITOV, D.I., dotsent.

Calculating earthwork volume. Stroi.prom. 35 no.2:39-40 F '57.
(Earthwork) (MLRA 10:3)

VILUYEV, Nikolay Grigor'yevich; RAKITOV, Daniil Ivanovich; PODREZAN, Vladimir Viktorovich; PAYZANSKIY, A.A., red.; IHOZEMTSEVA, A.I., red.izd-va; ROMANOVA, V.V., tekhn.red.

[Geodetic operations in construction yards] Geodezicheskie raboty na stroitel'noi ploshchadke. Moskva, Izd-vo geod.lit-ry, 1959. 211 p. (MIRA 12:10)

(Building sites) (Surveying)

PHASE I BOOK EXPLOITATION SOV/4848

Viduyev, Nikolay Grigor'yevich, Vladislav Pavlovich Grzhibovskiy, and Daniil Ivanovich Rakitov.

Radiolokatsiya v inzhenernykh izyskaniyakh (Radar in Engineering Explorations) Kiyev, Gosstroyizdat, Gosudarstvennoye izdatel'stvo literatury po stroitel'stvu i arkhitekture USSR, 1960. 93 p. Errata slip inserted. 1,500 copies printed.

Ed.: K. Komendant; Tech. Ed.: S. Ipat'yeva.

PURPOSE: This booklet is intended for technical personnel concerned with engineering explorations and geodetic and topographic surveys.

COVERAGE: The authors discuss the problems of applying electronics in geodetic measurements. Special attention is paid to the pulse and phase methods of radiogeodetic measurements. No personalities are mentioned. There are 59 references, all Soviet.

Card 1/4

RAKITOV D I.

PHASE I BOOK EXPLOITATION SOV/4925

Viduyev, Nikolay Grigor'yevich, Daniil Ivanovich Rakitov, Vladislav Pavlovich Grzhibovskiy, Vsevolod Andreyevich Krumelis and Vladimir Viktorovich Podrezan

Osnovy geodezicheskikh razbivochnykh rabot (Principles of Survey Layout Work) 2nd ed., rev. and enl. Kiyev, Gosstroyizdat UKrSSR, 1960. 469 p. 3,000 copies printed.

Ed.: O. Kul'chitskaya; Tech. Ed.: V. Lyamkin.

PURPOSE: The book is intended for engineers and technicans working in the field of civil engineering.

COVERAGE: This book deals with theoretical and practical problems of survey layout work necessary in the construction of industrial plants and public buildings, hydrotechnical structures, roads, and bridges. No personalities are given. There are no references.

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VIDUYEV, Nikolay Grigor'yevich, prof., doktor tekhn.nauk; RAKITOV, Daniil Ivanovich; PODREZAN, Vladimir Viktorovich; MOISEYEV, Vladimir Yulianovich; AFANAS'YEV, Mikhail Aleksandrovich; LEVCHUK, G.P., dotsent, kand.tekhn.nauk, retsenzent; KUZIN, N.A., inzh.-geodezist, spetsred.; KHROMCHENKO, F.I., red.izd-va; ROMANOVA, V.V., tekhn.red.

[Surveying in bridge construction] Geodezicheskie raboty v mostostroenii. Pod red. N.G.Vidueva. Moskva, Izd-vo geodez. lit-ry, 1961. 137 p. (MIRA 14:7)
(Surveying) (Bridge construction)

VIDUYEV, Nikolay Grigor'yevich; RAKITOV, Daniil Ivanovich; KIYANICHENKO, N., red.; ZELENKOVA, Ye., tekhn. red.

[Special leveling operations; leveling of rivers, canals, and reservoirs] Spetsial'nye nivelirnye raboty; nivelirovanie rek, kanalov i vodokhranilishch. Izd.2., ispr.i dop. Kiev, Gos.izd-vo lit-ry po stroit. i arkhit.USSR, 1961. 308 p. (MIRA 14:12)
(Leveling)

VIDUYEV, Nikolay Grigor'yevich; KARITOV, Daniil Ivanovich; GAN'SHIN, V.N., red.

[Application of surveying to engineering and construction operations; surveying at building sites] Prilozhenie geodezii v inzhenerno-stroitel'nom dele; geodezicheskie raboty na stroitel'noi ploshchadke. Izd.2., ispr. i dop. Moskva, Izd-vo "Nedra," 1964. 398 p. (MIRA 17:7)

L 4352-66

ACC NR: AP5028776 SOURCE CODE: BU/0011/65/018/002/0153/0156

AUTHOR: Andreev, K.; Lazarov, M.; Rakitska, V. 15 8

ORG: Plant-Structure Department, Agricultural Institute "G. Dimitrov", Sofia (Lehrstuhl fur Pflanzenbau der Landwirtschaftlichen Hochschule "G. Dimitrov")

TITLE: Contribution to the study of the resistance of the sunflower (Helianthus Annuus L.) to the sunflower broomrape (Orobanche Oumana Wallroth)

SOURCE: Bulgarska akademiya na naukite, v. 18, no. 2, 1965, 153-156

TOPIC TAGS: plant disease, plant parasite, plant chemistry

ABSTRACT: [German article] In spite of numerous studies of cultivated plant immunity, the sunflower resistance to the Orobanche parasite is still far from being understood. Two facts prompted the authors to undertake the study of the subject. Firstly, there exists in Bulgaria a large number of well-balanced self-pollinated sunflower lines exhibiting varying degrees of broomrape resistance (A. Popov, M. Lazarov, Izv. in-ta rasteniyev"dstvo, 1963, book XVI). Secondly, recent investigations of potato immunity to certain fungus deseases link the immunity with the chlorogenic acid content in the tuber periderm cells. Consequently, the authors began to study the content of this acid in the resistant and nonresistent sunflowe. strains. The results show that, generally, the resistent strains have a lower acid content than

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L 4352-66

ACC NR: AP5028776

the nonresistant strains. Particularly striking is the fact that broomrape infected plants show a 6-12 times larger chlorogenic acid content than the noninfected ones of otherwise nonresistant strains. The article concludes with possible explanations of the results of the investigation. The work was presented by A. Popov, Academician, 18 Sep 64. Orig. art. has: 1 table. [JPRS]

SUB CODE: LS / SUBM DATE: 18Sep64 / ORIG REF: 002 / OTH REF: 001
SOV REF: 009

Card 2/2

SELEZNEV, A.K.; STEPURO, S.I.; Prinimali uchastiye: PONOMAREVA, G.F.; LITVINOVA, L.I.; RAKITSKAYA, N.M.; REVYAGINA, M.I.

Using β-chloroethers in a mixture with dichlorides for low-temperature dewaxing of lubricants. Izv. vys. ucheb. zav.; neft' i gaz 6 no.4:55-57 '63. (MIRA 16:7)

1. Groznenskiy neftyanoy institut i Groznenskiy neftemaslovyy zavod.

(Lubrication and lubricants)
(Ethers) (Chlorides)

L 1970-66 GS

ACCESSION NR: AT5017382 UR/0000/64/000/000/0042/0047

AUTHOR: Kasperovich, A. N. (Novosibirsk); Rakitskaya, V. A. (Novosibirsk); Tsapenko, M. P. (Doctor of technical sciences) (Novosibirsk)

TITLE: Digital transistorized millivoltmeter with a luminescent reading device

SOURCE: Konferentsiya po avtomaticheskomu kontrolyu, i metodam elektricheskikh izmereniy, 3d, Novosibirsk, 1961. Avtomaticheskiy kontrol' i metody elektricheskikh izmereniy; trudy konferentsii, t. 2: Tsifrovyye izmeritel'nyye pribory. Elektricheskiye izmereniya neelektricheskikh velichin. Ustroystva avtomaticheskogo kontrolya i upravleniya v promyshlennosti (Automatic control and electrical measuring techniques; transactions of the conference, v. 2: Digital measuring instruments. Electrical measurements of nonelectrical quantities. Devices for automatic control and regulation in industry). Novosibirsk, Redizdat Sib. otd. AN SSSR, 1964, 42-47

TOPIC TAGS: millivoltmeter, digital instrument

ABSTRACT: Connected with the works of R. L. Gilbert (J. of British IRE, v. 20, no. 7, 1960) and A. C. Blay et al. (Trans. Soc. of Instr. Technology, v. 13, no. 2,

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L 1970-66
ACCESSION NR: AT5017382

June 1961), the development of a new digital transistorized millivoltmeter, based on a digit-by-digit balancing method, is reported. Principal circuits are explained. Supplied by a 50-cps power, the millivoltmeter can make 50 measurements per sec, each taking 3 msec. The luminescent-display afterglow time is 8 msec. Number of transistors used, 115; of diodes, 340. Basic error, 0.2%. An additional error of 0.2% appears when the resistance of the source of voltage to be measured increases from 0 to 200 ohms. No zero-point drift was observed after a 30-min warm-up period. "In conclusion, the authors wish to thank V. I. Rabinovich for his considerable help in developing the control circuit of the luminescent elements." Orig. art. has: 4 figures.

ASSOCIATION: none

SUBMITTED: 11Nov64 ENCL: 00 SUB CODE: EE, EC

NO REF SOV: 003 OTHER: 002

Card 2/2

L 11370-67 EWT(1) SCTB DD/GD

ACC NR: AT6036493 SOURCE CODE: UR/0000/66/000/000/0058/0058

AUTHOR: Barutkina, T. S.; Zarubaylo, T. T.; Mityushov, M. I.; Panov, A. K.; Rakitskaya, V. V.; Sokolova, Ye. V.

25

ORG: none

TITLE: Characteristics of the activity of the adrenal cortex, the thyroid, and higher nervous activity under conditions of prolonged exposure to noise [Paper presented at the Conference on Problems of Space Medicine held in Moscow from 24 to 27 May 1966]

SOURCE: Konferentsiya po problemam kosmicheskoy meditsiny, 1966. Problemy kosmicheskoy meditsiny. (Problems of space medicine); materialy konferentsii, Moscow, 1966, 58

TOPIC TAGS: acoustic biologic effect, biologic secretion, endocrinology, thyroid gland, blood chemistry

ABSTRACT: The adaptive reaction of the human organism to spaceflight stimuli includes change in the function of the pituitary-adrenal system, change in the thyroid gland, and in other endocrine glands. Study of spaceflight stress factors will enable explanation of the nature of the neuroendocrine changes which determine the organism's adaptation to unfavorable conditions. Experiments were conducted to determine the effect of constant noise (one of the above-mentioned stress factors) on the animal organism. White rats

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L 11370-67

ACC NR: AT6036493

were exposed to noise with a frequency of 650 cps and intensity of 70 db for periods ranging from 1 hr to 14 days. The sound was turned on 17 sec in every 30 sec.

The functional activity of the adrenal cortex, determined by the decrease in ascorbic acid and cholesterol concentrations, increased depending on the time of the noise effect, reaching a maximum after 6--12 hr. After eight days of noise the condition of the adrenal cortex in experimental animals was the same as its initial condition. Introduction of ACTH provoked a normal adrenal reaction, indicating adaptation of the organism to the effect of the stimulus.

The functional condition of the thyroid gland was estimated using the protein-bound iodine blood test (PBI) and histological study. Increase in thyroid activity was observed only after one day of noise. Deviations from the norm were not observed in the remaining periods.

Higher nervous activity was studied using the motor electric defense method [Fedorov and Glebovskiy -- 1954]. Under the influence of noise (lasting seven days) the latent period of the reaction increased and a tendency to lengthening of the time of the animal's gait was observed. On the first day after cessation of noise, the number of errors increased for some of the animals, which can be considered adaptation to the noise effect. [W.A. No. 22; ATD Report 66-116]

SUB CODE: 06 / SUBM DATE: 00May66

Card 2/2

L 46038-66 EWP(e)/EWT(m)/EWP(t)/ETI IJP(c) JD/JG/AT/WH

ACC NR: AT6022713 SOURCE CODE: UR/2848/66/000/041/0244/0253

AUTHORS: Meyerson, G. A.; Rakitskaya, Ye. M. 45 B+1

ORG: Moscow Institute of Steel and Alloys, Department for Metallurgy of Rare Metals and Metal Ceramics (Moskovskiy Institut stali i splavov, Kafedra metallurgii redkikh metallov i metallokeramiki)

TITLE: Physico-chemical conditions for low-temperature carbonitration of oxides of high melting metals 27

SOURCE: Moscow. Institut stali i splavov. Sbornik, no. 41, 1966. Fizicheskaya khimiya metallurgicheskikh protsessov i sistem (Physical chemistry of metallurgical processes and systems), 244-253

TOPIC TAGS: titanium dioxide, niobium compound, nitrogen, ammonia, nitridation, carburization

ABSTRACT: The conditions for obtaining titanium and niobium nitrides 27 and carbonitrides from the corresponding metal oxides were investigated. Prior to the experimental investigation, thermodynamic feasibility calculations based on recorded literature data were carried out. The results of these calculations are shown graphically. The carbonitration and nitration were carried out in alundum and graphite tube furnaces in presence of carbon black, in an atmosphere of N_2, NH_3, and a mixture of $N_2 + NH_3$. The gas flow rate of N_2 and NH_3 gases was 35 liters/h.

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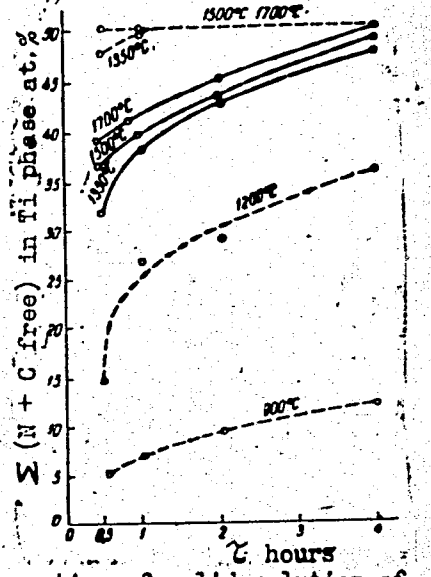
The experimental results are shown graphically (see Fig. 1).

Fig. 1. Carbonitration of the mixture TiO_2 + C in a current of nitrogen and ammonia: solid line - nitrogen; dashed line —— ammonia.



It was found that the standard free energy for the formation of solid solution of metal oxides in the metal for an oxygen concentration of ~ 0.05 wt % was given by

ACC NR: AT6022713

$$\Delta Z^{\circ}_{T_{Ti(O)}} = -128\,840 + 6{,}23T;$$

$$\Delta Z^{\circ}_{T_{Nb(O)}} = -161\,374 + 34{,}2T.$$

The carbonitration of both metal oxides in the presence of carbon is considerably easier in an atmosphere of ammonia than in nitrogen. This conclusion is also corroborated by thermodynamic calculations. Orig. art. has: 5 graphs and 16 equations.

SUB CODE: 11/ SUBM DATE: none/ ORIG REF: 005/ OTH REF: 003

Card 3/3

L 35600-65 EPF(c)/EPR/EWA(c)/EWT(m)/EWP(b)/T/EWA(d)/EWP(w)/EWP(t) Pr-4/Ps-4
IJP(c) JD/WB

ACCESSION NR: AP5007611 S/0363/65/001/001/0080/0087

32
30
B

AUTHOR: Meyerson, G. A.; Rakitskaya, Ye. M.

TITLE: Research on the conditions for the production of the nitride and carbonitride of titanium from its dioxide

SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 1, no. 1, 1965, 80-87

TOPIC TAGS: titanium dioxide, titanium nitride, titanium carbonitride

ABSTRACT: The production of the nitride and carbonitride of titanium in demand because of their hardness and heat-, abrasion-, and corrosion-resistant properties, was studied from its dioxide. In particular, the authors studied the action of a stream of nitrogen and ammonia gas on titanium dioxide (production of nitride) and the reactions of a mixture of titanium dioxide and carbon in an atmosphere of ammonia and nitrogen (production of carbonitride) over various temperatures and periods of time. TiO_2 in an atmosphere of ammonia at 1500C for 4 hours produced a nearly maximal amount of the nitride. A mixture of TiO_2 + C produced a maximal amount of the carbonitride after 4 hours in nitrogen at 1700C, but after only 0.5-1 hour in ammonia at 1350C, and with a stronger N-C bond in the latter case. De-

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L 35600-65

ACCESSION NR: AP5007611 2

creasing the amount of free carbon in the original mixture to 50% of the calculated amount to produce TiC reduced the free carbon in the product from 27-29% to 4-5%. Changing the 1:1 ratio of ammonia to nitrogen did not decrease the formation of the C-N bond, but using a nitrogen-hydrogen mixture had adverse effects. Experimentally determined temperatures for runs which approached saturation (near 50% at.) seemed to satisfy theoretical thermodynamic calculations. At 1000C the Ti-O relationship of the minimal concentration of oxygen (0.05%) in the solid solution Ti-N-C-O approaches that of the Ca-O relationship in CaO. With increasing temperatures, it decreases less rapidly than in CaO. Orig. art. has: 5 formulas and 8 figures.

ASSOCIATION: Moskovskiy institut stali i splavov (Moscow steel and alloys institute)

SUBMITTED: 07Oct64, ENCL: 00 SUB CODE: IC, MT

NO REF SOV: 006 OTHER: 005

Card 2/2

L 06575-67 EWT(m)/EWP(e)/EWP(t)/ETI IJP(c) AT/WH/JD/JG
ACC NR: AP6029816 (A) SOURCE CODE: UR/0363/66/002/008/1429/1433

AUTHOR: Meyerson, G. A.; Rakitskaya, Ye. M.; Bulgakov, V. N.; Ladygo, A. S.

ORG: Moscow Institute of Steel and Alloys (Moskovskiy institut stali i splavov)

TITLE: Investigation of the conditions for the preparation of niobium carbide and niobium carbonitride from niobium pentoxide

SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 2, no. 8, 1966, 1429-1433

TOPIC TAGS: niobium compound, carbide, nitride, nitrogen, ammonia

ABSTRACT: Preparation of NbC from Nb and NH_3 was studied at 1200°-1700°C for 1-8 hrs and the preparation of $NbN_{0.3}C_{0.7}$ from NbO_5, C, and N_2 and from NbO_5 and C in an NH_3 atmosphere was studied at 1000°-1700°C for 1-2 hrs. In general it was found that higher temperatures and longer reaction durations led to higher nitrogen content in the niobium carbide product. The experimental data as well as the thermodynamic calculations show that above 1620°C the NbC with less than 0.1% oxygen can be prepared from niobium oxide in an NH_3 atmosphere. The experimental data and the thermodynamic calculations also show that niobium carbonitride with as little as 0.01% oxygen content can be prepared from niobium oxide, carbon, and ammonia. In general, the formation of nitrides and carbonitrides in NH_3 atmosphere was faster than in the N_2 atmosphere. This is explained in terms of the high reactivity of nitrogen atoms readily generated

Card 1/2 UDC: 546.882'171.1+546.882'171.1'201

L 06575-67

ACC NR: AP6029816

on oxide surfaces by the dissociation of ammonia. Orig. art. has: 3 figures and 7 formulas.

SUB CODE: 07/ SUBM DATE: 13Oct65/ ORIG REF: 006/ OTH REF:. 005

Card 2/2

BOZHENOV, P.I., laureat Leninskoy premii, doktor tekhn.nauk;
RAKITSKAYA, Z.N., inzh.

Obtaining slate-type laminated materials based on the by-products of asbestos concentration plants. Stroi. mat. 8 no.5:12-15 My '62. (MIRA 15:7)
(Magnesium silicates) (Building materials)

NIKIFOROV, L.; RAKITSKIY, B.; FEDOROV, A.

Conference on the problems of building a communist economy. Vop. ekon. no.4:140-146 Ap '63. (MIRA 16:4)
(Economics—Congresses)

RAKITSKIY, Boris Vasil'yevich; YUZBASHEV, V.G., red.; RAKITIN, I.T., tekhn. red.

[Public resources available for consumption] Obshchestvennye fondy potrebleniia. Moskva, Izd-vo "Znanie," 1963. 31 p. (Novoe v zhizni, nauke, tekhnike. III Seriia: Ekonomika, no.2) (MIRA 16:2)

(Consumption (Economics))

RAKITSKIY, B. V.

Rakitskiy, B. V. -- "Investigation of the Possibilities of Simplifying the Deaeration of the Feed Water in High Pressure Ship Steam Plants." Leningrad Shipbuilding Inst, Leningrad, 1955 (Dissertation for the Degree of Candidate in Technical Sciences)

SO: Knizhnaya Letopis', No 24, 11 June 1955, Moscow, Pages 91-104

KARZHAVIN, Yu.A.; KULIKOV, Yu.V.; MALASHKEVICH, N.I.; RAKITSKIY, D.V.; RAMZHIN, V.N.

High-power source of stabilized voltage of ±250kv. Prib. i tekh. eksp. 10 no.1:120-123 Ja-F '65. (MIRA 18:7)

1. Ob"yedinennyy institut yadernykh issledovaniy.

L 2482-66 EWT(m)/EPA(w)-2/EWA(m)-2 LJP(c)
ACCESSION NR: AP5007040 S/0120/65/000/001/0120/0123

AUTHOR: Karzhavin, Yu. A.; Kulikov, Yu. V.; Malashkevich, N. I.; Rakitskiy, D. V.; Ramzhin, V. N.

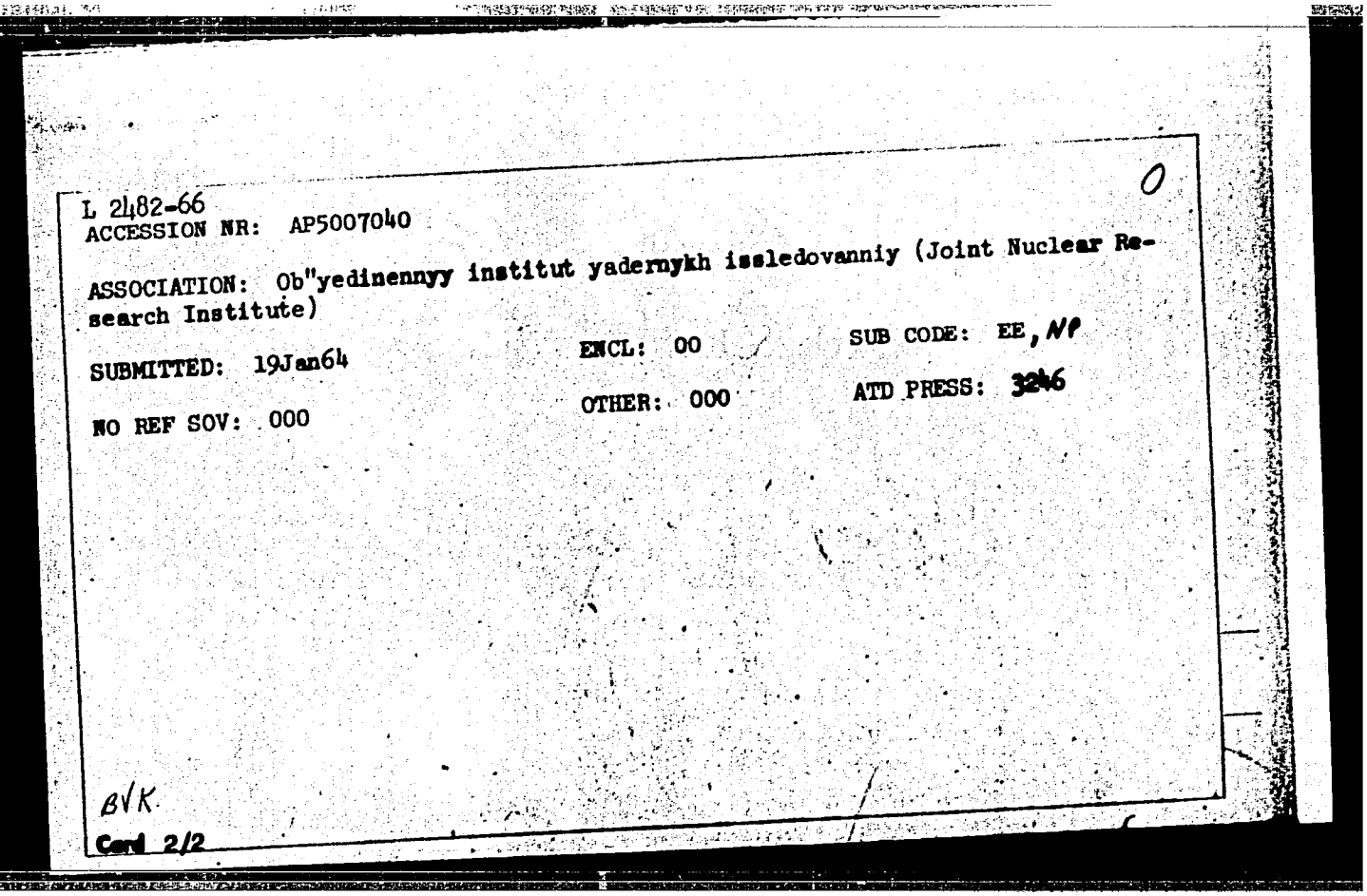
TITLE: Stabilized High-voltage power source of ±250 kv

SOURCE: Pribory i tekhnika eksperimenta, no. 1, 1965, 120-123

TOPIC TAGS: high voltage generator, separator, k meson beam, antiproton beam, proton synchrotron

ABSTRACT: A ±250-kv power source is described for use in conjunction with a separator to produce pure k-meson and antiproton beams on the Joint Nuclear Research Institute's proton synchrotron. The stability of the source is ±0.1%; its power output is 6 kw. High voltage is produced in two stages. The first stage is a standard ultrasonic generator with a slightly modified circuit, which, together with a series resonant circuit, assures an effective output voltage of 70 kv. The second stage consists of two cascade-connected generators which produce +250 kv and -250 kv, respectively. The source is relatively simple in construction and uses standard components. With a slightly modified ultrasonic generator, voltages 5—15 times higher can be obtained with a load power of several kw. Orig. art. has: 5 figures. [JR]

Card 1/2



L 2482-66
ACCESSION NR: AP5007040

ASSOCIATION: Ob"yedinennyy institut yadernykh issledovanniy (Joint Nuclear Research Institute)

SUBMITTED: 19Jan64 ENCL: 00 SUB CODE: EE, NP

NO REF SOV: 000 OTHER: 000 ATD PRESS: 3246

BVK

Card 2/2

TSUKERMAN, Yu.V.; RAKITSKIY, E.I.

Semiautomatic machine tool for machining the piston skirt of the T-38 tractor engine. Stan.i instr. 33 no.8:25-26 Ag '62. (MIRA 15:8)

(Machine tools)

RAKITSKIY, G.A.; KRUGLOV, T.A.

New mechanism for winding reserve yarn. Tekst. prom. 19 no.5:62-65 My '59. (MIRA 12:10)

1.Glavnyy inzhener fabriki imeni Oktyabr'skoy revolyutsii, g.Klintsy (for Rakitskiy). 2.Zaveduyushchiy apparatno-pryadil'nym proizvodstvom fabriki imeni Oktyabr'skoy revolyutsii, g.Klintsy (for Kruglov). (Weaving) (Textile machinery)

RAKITSKIY, G.A.; ZINOV'YEV, V.Ye.

Wider utilization of reconstituted wool. Tekst.prom. 20 no.9:13-15 S '60. (MIRA 13:10)

1. Glavnyy inzhener fabriki imeni Oktyabr'skoy revolyutsii (for Rakitskiy). 2. Nachal'nik tekhnicheskogo byuro fabriki imeni Oktyabr'skoy revolyutsii (for Zinov'yev).
(Woolen and worsted manufacture)

PERELYGIN, L.M.; MOSKALEVA, V.Ye., otvetstvennyy redaktor; RAKITSKIY, N.P., redaktor; ZEMLYAKOVA, T.A., tekhnicheskiy redaktor.

[Structure of wood] Stroenie drevesiny. Moskva, Izd-vo Akademii nauk SSSR, 1954. 198 p. (MLRA 7:9)
(Wood--Anatomy)

KOZMENKO, L.S.; RAKITSKIY, N.P., redaktor; PAVLOVA, M.M., tekhnicheskiy redaktor; SOKOLOVA, N.N., tekhnicheskiy redaktor

[Soil erosion control] Bor'ba s eroziei pochv. Moskva, Gos. izd-vo selkhoz. lit-ry, 1954. 231 p. [Microfilm] (MLRA 7:10)
(Erosion) (Soil conservation)

MISHUSTIN, Ye.N.; PERTSOVSKAYA, M.I.; IMSHENETSKIY, A.A., redaktor; RAKITSKIY, N.P., redaktor; MOSKVICHEVA, N.I., tekhnicheskiy redaktor.

[Microorganisms and self-purification of the soil] Mikroorganizmy i samoochishchenie pochvy. Moskva, Izd-vo Akademii nauk SSSR, 1954. 650 p. (MLRA 8:2)

1. Chlen-korrespondent AN SSSR (for Imshenetskiy).
(Soil microorganisms)

VAIMYEV, E.G. (Leningrad); MARITSKIY, V.A. [illegible]

Use of difference methods in finding regions of instability of solutions to a system of linear differential equations. Zhur. vych. mat. i mat. fiz. 4 no.1 Suppl.:120-122 '64. (MIRA 18:2)

RAKITSKIY, Yu.V. (Leningrad)

Some properties of solutions of systems of ordinary differential equations by single-step numerical integration methods. Zhur. vych. mat. i mat. fiz. 1 no.6:947-962 N-D '61. (MIRA 16:7)

31105 S/208/61/001/006/001/013
B112/B138

16.5500 16.3400

AUTHOR: Rakitskiy, Yu. V. (Leningrad)

TITLE: Some properties of solutions of systems of ordinary differential equations, obtained by one-step methods of numerical integration

PERIODICAL: Zhurnal vychislitel'noy matematiki i matematicheskoy fiziki, v. 1, no. 6, 1961, 947-962

TEXT: For purposes of simulation by digital computers, the author reduces the system of differential equations

$$\vec{z}'(t) = \vec{f}(t, \vec{z}), \quad \vec{z}(t_0) = \vec{z}_0, \quad 0 \leq t < \infty$$

to the following system of difference equations

$$\vec{z}_{n+1} = \vec{z}_n + h \sum_{\chi=0}^{r} b_\chi \left[\vec{f}(t_{n-\chi}, \vec{z}_{n-\chi}) + \sum_{\rho=1}^{\infty} \frac{\Delta^\rho \vec{f}_0^{(\rho)}}{\rho!} (-\chi h)^\rho \right].$$

The ν-th approximation of $\vec{z}_n$ is represented in the form

$$\vec{z}_{n\nu} = \vec{z}(t_n) + h^\nu B_\nu \vec{F}_\nu(t_n),$$

Card 1/2

Some properties of solutions of...

where $t_n = t_0 + nh$, and

$$\vec{F}_\nu(t_n) = -\int_{t_0}^{t_n} U(t_n)U^{-1}(\tau)\frac{d^{\nu+1}\vec{z}(\tau)}{d\tau^{\nu+1}}\,d\tau$$

The matrix U consists of the fundamental solutions of the system $d\vec{u}/dt = (\partial\vec{f}/\partial\vec{z})\vec{u}$. The solution $\vec{z}_n$ depends essentially on the numbers B_ν.

A. D. Gorbunov and Yu. A. Shakhov are mentioned. There are 6 references: 5 Soviet and 1 non-Soviet. The reference to the English-language publication reads as follows: M. Lotkin. The propagation of error in numerical integrations. Proc. Amer. Math. Soc., 1954, 5, No. 6, 869-887.

SUBMITTED: April 6, 1961

Card 2/2

X

35329
S/194/62/000/001/001/066
D201/D305

16.6800 (1250, 1327, 1329)

AUTHOR: Rakitskiy, Yu. V.

TITLE: Investigating single-step methods of numerical integration, as used in digital computers, in order to obtain means of checking and evaluating the accuracy of the solutions

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika, no. 1, 1962, abstract 1-1- 8 kh (Nauchno-tekhn. inform. byul. Leningr. politekhn. in-ta, 1960, no. 1, 73-81)

TEXT: Formulas of the type $x_{n+1} = x_n + h \sum_{x=0}^{r} b\, x'_{n-x}$ are used to investigate the numerical methods of integration of a system of differential equations in canonical form. The operator form of writing the integration formula and its resolution in the Taylor

Card 1/2

Investigating single-step ...

series in powers of h is used. The order of convergence of the numerical integration method is assumed to be equal to the smallest index of order h, present in the series. The notion of polar convergence is introduced. The two methods of numerical integration of the same order of convergence are called methods of polar convergence if the characteristics of the solution are contained between the characteristics of approximate solutions. The methods of checking and of evaluating the accuracy of approximations of solutions are given, using the methods of polar convergence which are of interest in solving equations on digital computers. An example, illustrating the methods of polar convergence -- the integration of equation $y^1 = y$ cost is given. The approximate solutions for this example, as obtained by two methods of polar convergence, differ from the exact solution in the 2nd and 3rd significant figure. / Abstracter's note: Complete translation. /

Card 2/2

L 9939-65 EWT(d) Pg-4 IJP(c) AFWL/ESD(dp)/ASD(f)-2/ASD(d)/ASD(a)-5/
ACCESSION NR: AT4047141 AFETR/SSD MLK S/0000/64/000/000/0110/0122

AUTHOR: Valeyev, K. G. (Leningrad); Rakit*skiy, Yu. V. (Leningrad)

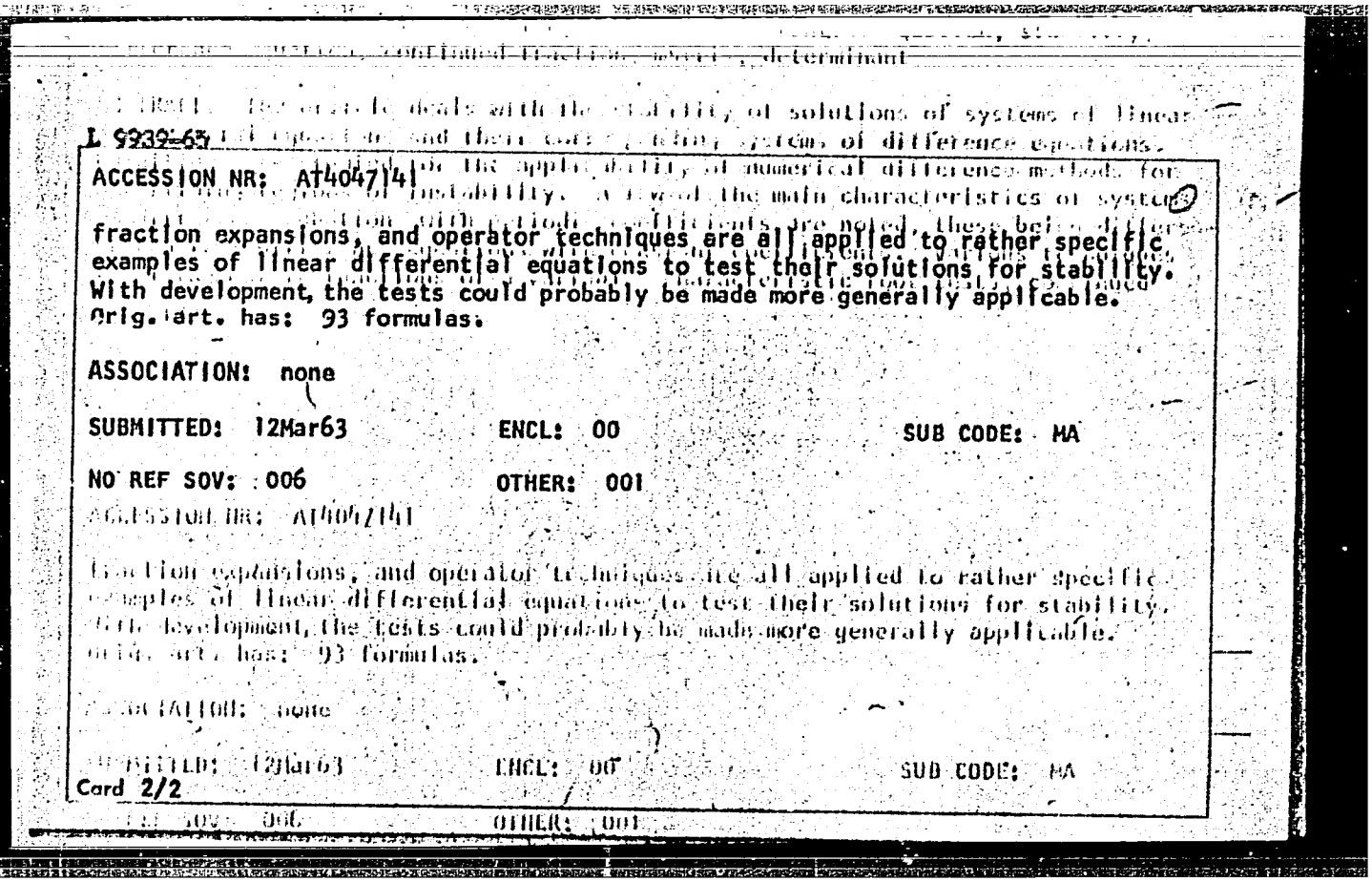
TITLE: Use of difference methods in determining regions of instability of solutions of systems of linear differential equations 16

SOURCE: Chislenny*ye metody* resheniya differentsial'ny*kh i integral'ny*kh uravneniy i kvadraturny*ye formuly* (Numerical methods of solving differential and integral equations and quadrature formulas); sbornik statey. Moscow, Izd-vo Nauka, 1964, 110-122

TOPIC TAGS: differential equation, ordinary differential equation, stability, difference equation, continued fraction, matrix, determinant

ABSTRACT: The article deals with the stability of solutions of systems of linear differential equations and their corresponding systems of difference equations. Conditions are studied for the applicability of numerical difference methods for determining regions of instability. A few of the main characteristics of systems of difference equations with periodic coefficients are noted, these being differentiated from difference equations with constant coefficients. Various techniques involving matrix functions of a variable, characteristic root tests, continued

Card 1/2



determinant

L 9939-63

ACCESSION NR: AT4047141

fraction expansions, and operator techniques are all applied to rather specific examples of linear differential equations to test their solutions for stability. With development, the tests could probably be made more generally applicable. Orig. art. has: 93 formulas.

ASSOCIATION: none

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fraction expansions, and operator techniques are all applied to rather specific examples of linear differential equations to test their solutions for stability. With development, the tests could probably be made more generally applicable. Orig. art. has: 93 formulas.

ASSOCIATION: none

SUBMITTED: 12Mar63 ENCL: 00 SUB CODE: MA

Card 2/2

NO REF SOV: 006 OTHER: 001

KHARAMONENKA, S.S.; RAKITSYANSKAYA, A.A.

Biochemical characteristics of agglutinogens in human blood and their physiological role in the organism. Vestsi AN BSSR. Ser. biial. nav. no.4:153-162 '56. (MLRA 10:6)

(BLOOD--AGGLUTINATION)

RAKITYANSKAYA, A. A.

RAKITYANSKAYA, A. A.: "The significance of species-specific products of blood disorders and their protein complexes in the reaction of the organism to blood transfusion." Minsk State Inst. Minsk, 1956. (Dissertation for the Degree of Candidate in Medical Science.)

Knizhnaya Letopis'
No 32, 1956. Moscow.

RAKITYANSKAYA, A. A.

The role of specific polysaccharides and of their protein complexes in the origination of post-transfusion reactions. A. A. Rakityanskaya. *Problemy Gematol. i Perelivan. Krovi* 1, No. 3, 47–52(1956).—Dogs received single intravenous injections of isolated specific polysaccharides and of their complexes with heterogenous proteins. Observations were made of changes in the cardiovascular system, respiration, and peripheral blood regeneration. Isolated specific polysaccharides extd. from the blood plasma or from the erythrocytes were injected in a 1% soln. In 2 expts., studies were made of the effects of isolated isogenic specific polysaccharides of the blood when injected at the rate of 0.32–1.1 ml./kg. In 16, tests studies were made of the effects of heterogenic human specific polysaccharides when injected into dogs at the rate of 0.24–1.1 ml./kg. Expts. were made with the solns. of specific isopolysaccharides in complex with heterogenous proteins and expts. with specific heterogenous polysaccharides in complex with heterogenous proteins. The solns. were injected intravenously at the rate of 4.4–10 ml./kg. and contained 0.1–1.0 mg. of polysaccharides/ml. The intravenous injection into dogs of isolated specific polysaccharides of isogenic or heterogenous origin occasioned no pathol. disturbances in the functions of the cardiovascular or respiratory systems. The injection of specific polysaccharides in doses of 0.5 ml./kg. of animal body wt. served as an aid to the phase changes in the quantity of hemoglobin or no. of erythrocytes. The first phase, which lasted up to 3 days, was characterized by an increase in the indexes of hemoglobin and erythrocytes; the

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Rakityanskaya, A.A.

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and phase was characterized by a marked lowering of both. Specific polysaccharides derived from the plasma brought about a leucopenia, those derived from the erythrocytes brought about a leucocytosis lasting some hrs. after the injection. The complexes of specific polysaccharides with heterogenous proteins were marked by an increase in the toxicity of the compds. It is assumed that upon the intravenous injection of heterogenous plasma proteins, complexes are formed with the specific polysaccharides, which then play an important part in the origination of post-transfusion reactions. B. S. Levine

RAKITYANSKAYA, A.A., kandidat med. nauk

Leucocyte mass in the treatment of leucopenic conditions of varying origin. Zdrav. Belor. 6 no.3:40-42 Mr '60. (MIRA 13:5)

1. Iz kafedry gospital'noy kliniki vnutrennikh bolezney Minskogo meditsinskogo instituta (zaveduyushchiy kafedroy - professor G.Kh. Dovgyallo) i Belorusskogo nauchno-issledovatel'skogo instituta perelivaniya krovi (direktor - S.S. Kharamoneko).
(LEUCOCYTES) (LEUCOPENIA)

COUNTRY : General Problems of Immunology. [illegible]
CATEGORY : Experimental Therapy.

ABS. JOUR. : RZhBiol., No. 23 1958, No. 107044

AUTHOR : D[illegible]G.Kh.; [illegible]
INST. :
TITLE : Hypophyseal-Adrenal Mechanism in the Complex Therapy of Acute Leukosis.

ORIG. PUB. : Zdravookhr. Belorussii, 1957, No. 8, 9-12.

ABSTRACT : The action of ACTH and cortisone in combination with therapy with antibiotics, transfusions of erythrocytic mass and vitamins, was investigated in 12 patients with acute leucosis. Improvement of the general condition was noted in a series of patients, with decrease of the toxic state, some improvement in the composition of the peripheral blood, return of the temperature to normal, improvement of the subjective feeling; in some patients the remission lasted six months. It is the opinion of the authors

Card: 1/2

KIRILLOV, Ye.A. [deceased]; RAKITYANSKAYA, O.F.

Role of F centers in the adsorption of dyes by the halide crystals of alkali metals and silver. Zhur. nauch. i prikl. fot. i kin. 10 no.1:23-34 Ja-F '65. (MIRA 18:4)

1. Odesskiy gosudarstvennyy universitet imeni Mechnikova.

L 41292-65 EWT(1)/T/EEC(b)-2 Pi-4 IJP(c) GG

ACCESSION NR: AP5006694 S/0076/65/039/002/0442/0445

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B

AUTHOR: Rakityanskaya, O. F.

TITLE: The kinetics of the general process of discoloration of NaCl crystals with adsorbed dyes

SOURCE: Zhurnal fizicheskoy khimii, v. 39, no. 2, 1965, 442-445

TOPIC TAGS: crystal discoloration, F center destruction, exciton, optical sensitization, erythrosin, phenosafranin desensitizer, light absorption, dye adsorption, sodium chloride crystal

ABSTRACT: As a result of experiments described earlier (Zh. fiz. khimii, 37, 1008, 1964) concerning the action of light on the destruction of F-centers in alkali-halide crystals with an adsorbed layer of dye, the author gave preference to the exciton mechanism of optical sensitization. However, during further study of the problem, the pure, X-rayed alkali-halide crystals seemed to become discolored due to destruction of F-centers resulting from the illumination of the substance by light within the absorption range of the organic dye. In the given case, this region coincided with the portion of the spectrum related to the F-band. The F-band within the X-rayed NaCl crystal seemed to break-up during an exposure to light

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ACCESSION NR: AP5006694

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whose wave length was within the F-center absorption region (see, e.g., R. Herman, R. Wallis, Phys. Rev., 99, 2, 1955). To confirm the conclusions of the first-mentioned article, the author studied the discoloration of crystals with adsorbed dyes taking into account the additional effect of fading after exposure to light absorbed by the dye (which is especially strong in the case of erythrosin). Comparative studies utilized the well known dye-desensitizer phenosafranin. The experimental procedures have been described earlier (Zh. fiz. khimii, 37, 5, 1963). The results showed that crystals with an adsorbed desensitizer exhibit a complete absence of F-center destruction effects when exposed to light. This agrees with the previous conclusions of the author about the mechanism of the observed effect. "In conclusion, the author thanks Prof. Ye. A. Kirillov, Prof. F. F. Vol'kenshteyn and Dr. Phys.-Math. Sci. V. M. Fridkin for their constant interest and evaluation of the results." Orig. art. has: 5 figures.

ASSOCIATION: Odesskiy gosudarstvennyy universitet im. I. I. Mechnikova (Odessa state university)

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NO REF SOV: 003 OTHER: 005

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RAKITYANSKIY, V.I.

Fluorine in the surface and underground waters of Smolensk Province. Gidrokhim.mat. 36:44-49 '64. (MIRA 18:11)

1. Smolenskaya oblastnaya sanitarno-epidemiologicheskaya stantsiya, Smolensk. Submitted May 27, 1961.