GVOZDETKI, N. A. [Gvozdetskiy, N. A.]

Controversial problems of landscaping. Natura Geografie 14 no.2: 88-90 Mr-Ap '62.

GVOZDETSKIY, N.A.

Karst in the region of Caucasian mineral waters. Biul. MOIP Otd. geol. 37 no.6:142-143 N-D '62. (MIRA 16:8)

GVOZDETSKIY, N.A., prof. (Moskva); CHIKISHEV, A.G. (Moskva)

Development of slopes. Priroda 51 no.9:92 S '62. (MIRA 15:9)
(Slopes (Physical geography))

GVOZDETSKIY, N.A., prof. (Moskva); CHIKISHEV, A.G., kand.geograf,nauk (Moskva)

Karst and national economy. Priroda 51 no.9:121-122 S '62.
(MIRA 15:9)

(Karst)

GVOZDETSKIY, N. A.; ISACHENKO, A. G.

Physicogeographical regionalization. Izv. Vses. geog. ob-va 94 no.6:459-464 N-D '62. (MIRA 16:1)

(Physical geography)

GVOZDETSKIY, N.A., prof.; ZHUCHKOVA, V.K., dots.; ALISOV, B.P., prof.; VASIL'YEVA, I.V., dots.; VARLAMOVA, M.N., tekhnik-kartograf; DOLGOVA, L.S., dots.; ZVORYKIN, K.V., st. nauchnyy sotr.; ZEMTSOVA, A.I., assistent; IVANOVA, T.N.; LEBEDEV, N.P., st. prepodavatel'; LYUBUSHKINA, S.G.; NESMEYANOVA, G.Ya., mlad. nauchnyy sotr.; PASHKANG, K.V., st. prepod.; POLTARAUS, B.V., dots.; RYCHAGOV, G.I., st. prepod.; SPIRIDONOV, A.I., dots.; SMIRNOVA, Ye.D., mlad. nauchnyy sotr.; SOLNTSEV, N.A., dots.; FEDOROVA, I.S., mlad. nauchnyy sotr.; TSESEL'CHUK, Yu.N., mlad. nauchnyy sotr.; SHOST'INA, A.A., mlad. nauchnyy sotr.; Prinimali uchastiye: BELOUSOVA, N.I.; GOLOVINA, N.N.; KALASHNIKOVA, V.I.; KOZLOVA, L.V.; KARTASHOVA, T.N.; PAN'KOVA, L.I.; URKIKHO, V.; PETROVA, K.A., red.; LOPATINA, L.I., red.; YERMAKOV, M.S., tekhn. red.

[Physicogeographical regionalization of the non-Chernozem center] Fiziko-geograficheskoe raionirovanie nechernozemnogo tsentra. Pod red. N.A.Gvozdetskogo i V.K.Zhuchkovoi. Moskva, Izd-vo Mosk. univ., 1963. 450 p. (MIRA 16:5)
(Physical geography)

GVOZDETSKIY, Nikolay Andreyevich; MIKHAYLOV, Nikolay Ivanovich; GALITSKAYA, T.N., red.; KONOVALYUK, I.K., mlad. red.; KOSHELEVA, S.M., tekhn. red.

[Physical geography of the U.S.S.R.: Asiatic part] Fizicheskaia geografiia SSSR: Aziatskaia chast'. Moskva, Geografgiz, 1963. 571 p. (MIRA 17:2)

GVOZDETSKIY, N.A., red.; ISACHENKO, A.G., red.; CHUPAKHINA, V.M., red.

[Problems of landform study; materials] Voprosy landshaftovedeniia; materialy. Alma-Ata, AN Kaz.SSR, 1963. 390 p. (MIRA 17:5)

1. Vsesoyuznoye soveshchaniye po voprosam landshaftovedeniya. 6th, Moscow, 1963.

GVOZDETSKIY, Nikolay Andreyevich; SMIRNOVA, N.P., red.; BELICHENKO, R.K., mladshiy red.; GOLITSYN, A.V., red.kart; VILENSKIY,E.N., tekhn.red.

[The Caucasus; nature study] Kavkaz; ocherk prirody. Moskva, Geografgiz, 1963. 261 p. (MIRA 16:10)
(Caucasus--Physical geography)

S/011/63/000/001/001/002
A006/A101

AUTHORS: Gvozdetskiy, N. A., Chikishev, A. G.

TITLE: The Conference on applied karstology

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geologicheskaya, no. 1, 1963, 124 - 126

TEXT: The Conference was held in Moscow on April 23 - 25, 1962, and was attended by 35 representatives from 16 scientifical and industrial organizations. The Conference was opened by N. A. Gvozdetskiy who reported on the activities of the Geographical section of the Moscow Society of Natural scientists. The following reports were delivered: A. G. Lykoshin on the investigation of karsts for hydro-engineering construction by geological engineers; V. S. Polevoy on the use of geophysical methods to study karsts in areas of hydrological engineering structures; I. A. Savarenskiy on problems considering karsts in industrial and urban construction in the Dzerzhinsk region; N. A. Gvozdetskiy on "Karst in the region of Caucasian Mineral Water Sources"; I. I. Ginzburg on mineral resources connected with karst processes; G. I. Bushinskiy on bauxite and phosphorite karst deposits; Ye. T. Bobrov on "Karst bauxites of the Yenisey ridge and the adjacent region of

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the Siberian platform"; N. A. Lisitsyna on "Karst bauxites in the Kazakh foldings and the Turgay depression"; B. N. Ivanov and V. N. Dublyanskiy on "The importance of the Crimea karst in national economy"; A. G. Chikishev on "The importance of the Central Ural karst in national economy"; I. K. Kudryashov on the influence of karst on agriculture in some Bashkirian regions; The reports delivered were discussed by D. S. Sokolova, V. A. Varsanof'yeva, N. A. Krasil'nikova, S. A. Sladkopevtseva, V. S. Polevoy and others. The Conference approved the methods of karst investigation, including geophysical means, electrical seismic and ultrasonic prospecting. It was decided to investigate in detail the development and expansions of karst; to study the origination of karst bauxites, to control the purity of mineral water sources and to continue research in the agricultural regions of Bashkiria.

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617720010-7"

GVOZDETSKIY, N.A.

N.I.Sokolov as an investigator of karst. Nov.kar.i spel. no.3:15-18 '63. (MIRA 16:10)

GVOZDETKI, N.A. [Gvozdetskiy, N.A.]; ISACENKO, A.G. [Isachenko, A.G.]

Physical and geographical problem of the division into districts.
Analele geol geogr 17 no.3:94-99 Jl-S '63.

GVOZDETSKIY, N.A.; RYABCHIKOV, A.M.; SOUSHKIN, Yu.G.

In the Academic Council of the Geographical Faculty of Moscow University.
Vest. Mosk. un. Ser. 5:Geog. 18 no.2:72-73 Mr-Ap '63. (MIRA 16:3)
(Moscow--Dissertations, Academic) (Geography)

GVOZDETSKIY, N.A.

"Karst of the Matsokha and Moravia" by V.Stehlik, J.Kunsky. Vest. Mosk. Un. Ser. 5: Geog. 18 no.3:80 My-Je '63. (MIRA 16:6)
(Moravia--Karst) (Stehlik, V.) (Kunsky, J.)

GVOZDETSKIY, N.A.; CHIKISHEV, A.G.

Conference on applied studeis of karst. Izv.AN SSSR.Ser.geol. 28 no.1:124-126 Ja '63. (MIRA 16:2)
(Karst)

GVOZDETSKIY, N.A.; FEDCHINA V.N.; AZAT'YAN, A.A.; DONTSOVA, Z.N.; FEDOSEYEV, I.A., otv. red.; YEASKOV, V.A., red.; SOLOV'YEV, A.I., red.

[Russian geographical explorations of the Caucasus and Central Asia in the 19th and the beginning of the 20th century] Russkie geograficheskie issledovaniia Kavkaza i Srednei Azii v XIX - nachale XX v. [By] N.A.Gvozdetsii i dr. Moskva, Nauka, 1964. 156 p. (MIRA 17:11)

GVOZDETSKIY, N.A., prof., red.; LOPATINA, L.I., red.

[Materials on the physicogeographical regionalization of the U.S.S.R.; Siberia and the Far East] Materialy po fiziko-geograficheskomu raionirovaniiu SSSR; Sibir' i Dal'nii Vostok. Moskva, Izd-vo Mosk. univ. 1964. 232 p.
(MIRA 17:6)

CHUPAKHIN, Viktor Mikhaylovich; GVOZDETSKIY, N.A., doktor geogr. nauk, prof., otv. red.

[Physical geography of the Tien Shan; natural and geographical characteristics, main problems of landform mapping, and comprehensive physicogeographical regionalisation] Fizicheskaia geografiia Tian'-Shania; prirodno-geograficheskie osobennosti, osnovnye voprosy landshaftnogo kartirovaniia i kompleksnogo fiziko-geograficheskogo rayonirovaniia. Alma-Ata, Izd-vo AN Kaz.SSR, 1964. 371 p. (MIRA 17:5)

GVOZDETSKIY, N.A.

Tasks and prospects of comprehensive physical geography. Vest. Mosk. un. Ser. 5: Geog. 19 no.2:25-31 Mr-Ap '64. (MIRA 17:4)

1. Kafedra fizicheskoy geografii SSSR Moskovskogo universiteta.

GVOZDETSKIY, N.A.

Karst of the region of the Caucasian mineral waters. Trudy MOIP 12:105-135 '64. (MIRA 18:1)

MIL'KOV, Fedor Nikolayevich, prof.; GVOZDETSKIY, Nikolay Andreyevich, prof.; STRIGIN, V.M., red.; BELICHENKO, R.K., mlad. red.

[Physical geography of the U.S.S.R.; general survey, the European U.S.S.R., the Caucasus] Fizicheskaia geografiia SSSR; obshchii obzor, Evropeiskaia chast' SSSR, Kavkaz. Moskva, Gos. izd-vo geogr. lit-ry, 1962. 475 p. (MIRA 18:5)

1. Voronezhskiy gosudarstvennyy universitet (for Mil'kov).
2. Moskovskiy gosudarstvennyy universitet (for Gvozdetskiy).

GVOZDEV, Ye.V.; BELOKOBYLENKO, V.T.

Effect of helminths on the abundance of muskrats on the Alakul' Muskrat Farm. Izv. AN Kazakh. SSR. Ser. biol. nauk no.2:56-59 '63.
(MIRA 17:10)

GVOZDETSKIY, N.A.

Karst phenomena in North Ossetia. Biul. MOIP. Otd.geol. [illegible]
S-O '64.

Karst of the Nakeral'skoye Plateau in western Georgia. Ibid.:157
(MIRA 18:2)

FEDINA, Aleksandra Yefimovna; GVOZDETSKIY, N.A., prof., red.; LOPATINA, L.I., red.

[Physicogeographical regionalization; aid for correspondence school students attending the geographical faculties of state universities] Fiziko-geograficheskoe raionirovanie; posobie dlia studentov-zaochnikov geograficheskikh fakul'tetov gosudarstvennykh universitetov. Moskva, Izd-vo Mosk. univ., 1965. 140 p. (MIRA 18:6)

YANSHIN, A.L., akademik; YAKOVLEV, Yu.Ya. (Moskva); PLOTKIN, S.Ya., kand.tekhn. nauk (Moskva); GVOZDETSKIY, N.A., prof.; NOVIK, I.B. (Moskva); SVINTSITSKIY, V.N. (Moskva); KOZLOV, V.V. (Moskva); SULIDI-KONDRAT'YEV, Ye.D. (Moskva); BELOV, S.V. (Leningrad)

Books. Priroda 54 no.7:56-57; 71; 104-111 Jl '65.
(MIRA 18:7)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova (for Gvozdetskiy).

GVOZDETSKIY, N.A.

Typology and classification of karst in the U.S.S.R. Trudy MOIP 15:5-11 '65.

Types of karst in the Northern Caucasus. Ibid.:47-55
(MIRA 18:9)

L 2366-66 EWT(1) GW
ACCESSION NR: AP5020107 UR/0251/65/039/001/0101/0107

AUTHOR: Gvozdetskiy, N. A.

TITLE: Karst of the Caucasus in comparison with the karst of other mountainous regions of the SSSR

SOURCE: AN GruzSSR. Soobshcheniya, v. 39, no. 1, 1965, 101-107

TOPIC TAGS: erosion, solvent action, geography, geology, gypsum, carbonate

ABSTRACT: The author has described restricted examples of the most interesting regions of the Caucasus having characteristic types of karst in order to compare these with other mountainous regions of the SSSR. The limestone ranges of western Georgia probably have the greatest karst development in the Caucasus, possibly in the entire Soviet Union. Here, on the Nakeral'skiy Plateau, as much as 30% or more of the rock has been removed by solution. The rocks are Lower Cretaceous limestones, and the characteristic features are sinks within sinks, up to the third order, with brush-covered slopes and floors. These have no counterparts in other parts of the SSSR. Bare limestone karst on the Fisht-Oshten-Lagonaki Plateau, in Upper Jurassic limestone, exhibits deeply dissected sinks that have

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ACCESSION NR: AP5020107

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developed along fracture lines. Sinks at all stages of development are present. The region resembles the limestone ranges of Abkhaziya and Mengeliya. The high mountainous karst of Arabiki shows almost conical forms. The sinks in the Bzybskiy Range are very similar to those on the Fisht-Oshten-Lagonaki Plateau. The karst regions of the eastern Caucasus are similar to the moderately high regions of the Central Asian ranges (the Karatau and the front chains of the Turkestan and Alai Ranges on the southern border of the Fergana valley). Grass-covered karst regions are widespread in the Caucasus. The conditions for their formation are very specific, and comparable regions are seldom found elsewhere. Gypsum karst is found on the western half of the northern slope of the Main Caucasus. It is also found in the Peter the First Range and in the northern foothills of the Zaalai Range, as well as in some Central Asian regions. Orig. art. has: 1 figure.

ASSOCIATION: Akademiya nauk Gruzinskoy SSR, Institut geografii im. Vakhushti (Academy of Sciences Georgian SSR, Institute of Geography)

SUBMITTED: 11Dec64 ENCL: 00 44,55 SUB CODE: ES
NO REF SOV: 023 OTHER: 001

BVK
Card 2/2

GVOZDETSKIY, N.A.

Vladimir Feliksovich Piotrovskii, 1876-1965. Vest. Mosk. un. Ser. 5: Geog. 20 no.5:83 S-O '65. (MIRA 18:12)

GVOZDETSKIY, N.A.

Karst of the Caucasus as compared with karst i other mountain areas of the U.S.S.R. Soob. AN Gruz. SSR 39 no.1:101-107 Jl. '65. (MIRA 18:10)

1. Institut geografii imeni Vakhushti AN GruzSSR. Submitted December 8, 1964.

SUKACHEV, V.N.; BOGDANOV, A.A.; IVANOVA, I.K.; LAZUKOV, G.I.; NIKOLAYEV, N.I.; YANUSHOVA, A.F.; GELLER, S.Yu.; GRICHUK, V.P.; KOLESNIK, S.V.; SOKOLOV, N.N.; LICHKOV, B.L.; GORETSKIY, G.I.; SHCHUKIN, I.S.; BYKOV, V.D.; SAUSHKIN, Yu.G.; GLAZOVSKAYA, M.A.; GVOZDETSKIY, N.A.; TUSHINSKIY, G.K.

Konstantin Konstantinovich Markov's role in the creation and development of the paleogeography of the anthropogenic (the Quaternary) period; on his 60th birthday and the 40th anniversary of scientific work. Izv. Vses. geog. ob-va 97 no.4:377-379 Jl-Ag '65.
(MIRA 18:8)

GVOZDETSKIY, N.A.

150th anniversary of A.T. Middendorff's birth. Vest. Mosk. un. Ser. 5: Geog. 20 no.6:86-87 N-D '65.

(MIRA 19:1)

GVOZDETSKIY, N.A.

Interrelation of tectonic jointing and the force of marginal resistance in the regions of carbonate karst. Biul. MOIP Otd. geol. 40 no. 6:160 N-D '65 (MIRA 19:1)

1. Submitted May 28, 1965.

RYABCHIKOV, A.M., prof.; SHCHUKIN, I.S.; SAUSHKIN, Yu.G., prof.; GVOZDETSKIY, N.A.; MARKOV, K.K.; ANUCHIN, V.A.; SOLNTSEV, N.A., doktor geogr. nauk

Senior Soviet Geographer; 1875- ; 90th birthday of Aleksandr Nikolaevich Dzhavakhishvili. Vest. Mosk. un. Ser. 5: Geog. 20 no.5:82 S-O '65. (MIRA 18:12)

GVOZDETSKIY, N.A., doktor geograf. nauk

International Speleological Congress in Brno. Vest AN SSSR 34 no.10: 97-98 O '64. (MIRA 17:11)

GVOZDETSKIY, V., instruktor-letchik (g.Sverdlovsk)

On the ground and in the air. Kryl.rod. 12 no.6:25 Je '61. (MIRA 14:6)

(Helicopters--Piloting)

KR[illegible], [illegible], [illegible]
[illegible], inzh.; [illegible], inzh.

Automatic synchronization systems for [illegible] sections of a pipe-rolling mill. Mekh. i avt. proizv. 18 no.8:28-29 Ag '64. (MIRA 17:10)

34037

S/109/62/007/001/016/027
D230/D301

9.4120 (1003, 1140, 1105)

AUTHORS: Levitskiy, S.M., and Gvozdetskiy, V.S.

TITLE: The influence of the constant electric field on the start of pulsed microwave discharge in a gas

PERIODICAL: Radiotekhnika i elektronika, v. 7, no. 1, 1962, 133 - 141

TEXT: This is an examination of the effect of a constant electric field on the start of pulsed microwave discharge as a function of pressure and kind of gas, pulse repetition rate (p.r.r.) polarity and amplitude of the constant potential. Two distinct cases are considered: a) The effect of d.c. voltage on the start of the initial breakdown, b) the effect of d.c. voltage on the existence of self-sustained oscillations. Measurements carried out in air at pressures of 10 - 150 mm Hg and 800 p.r.r. showed that the d.c. field had little influence on the breakdown or time of the statistical lag. At low pressures below 10 mm Hg, when the striking time was sufficiently long, the effect of the d.c. voltage was analo-

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The influence of the constant ...

gous to that of incident c.w. power; at the time of discharge formation the field draws the electrons to the electrodes increasing the losses of the electrons and increasing the power required for initiation of the discharge. Tabulated results of the influence of d.c. voltage on the existence of self-sustained (simmering) discharge show that in the presence of the field the stability increases as the power increases. The effect of varying the p.r.r. on the microwave discharge is shown in two families of curves with and without applied d.c. field. In the case without field and low p.r.r.'s the discharge requires a more intense microwave field and for the following pulse are the same as for a single pulse. In the case with a d.c. field and different p.r.r.'s the curves do not differ much from each other. The action of the d.c. field in the interpulse period is to accelerate the deionization of the discharge gap and lower the concentration of the free electrons at the start of the following pulse; furthermore, application of the d.c. field removes the simmering discharge and reduces it to the case of breakdown at individual pulses. At pressures higher than 10 mm Hg the application of the d.c. field cannot prevent the occurence of

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The influence of the constant ...

random breakdowns and it may prevent continuosy simmering discharge. The graphs and tabulated data represent the results of experiments made in air and in argon at 10,000 Mc/s. There are 6 figures, 2 tables and 12 references: 9 Soviet-bloc and 3 non-Soviet-bloc. The references to the English-language publications read as follows: L. I. Varnerin, S.C. Brown, Phys. Rev., 1950, 79, 6, 946; S.C. Brown, Breakdown in gases, Handb. der Physik, 1956, 22, 531; W.A. Prowse, L.E. Lane, Proc. Phys. Soc, B, 1956, 69, 1, 33.

ASSOCIATION: Kiyevskiy gosudarstvenny universitet im. T.G. Shevchenko (State University of Kiyev im. T.G. Shevchenko)

SUBMITTED: May 5, 1961

Card 3/3

GVOZDETSKIY, V.S.; MECHEV, V.S.

Displacement of an electric arc in a magnetic field. Avtom. svar. 16 no.10:54-62 O '63. (MIRA 16:12)

1. Institut elektrosvarki imeni Patona AN UkrSSR.

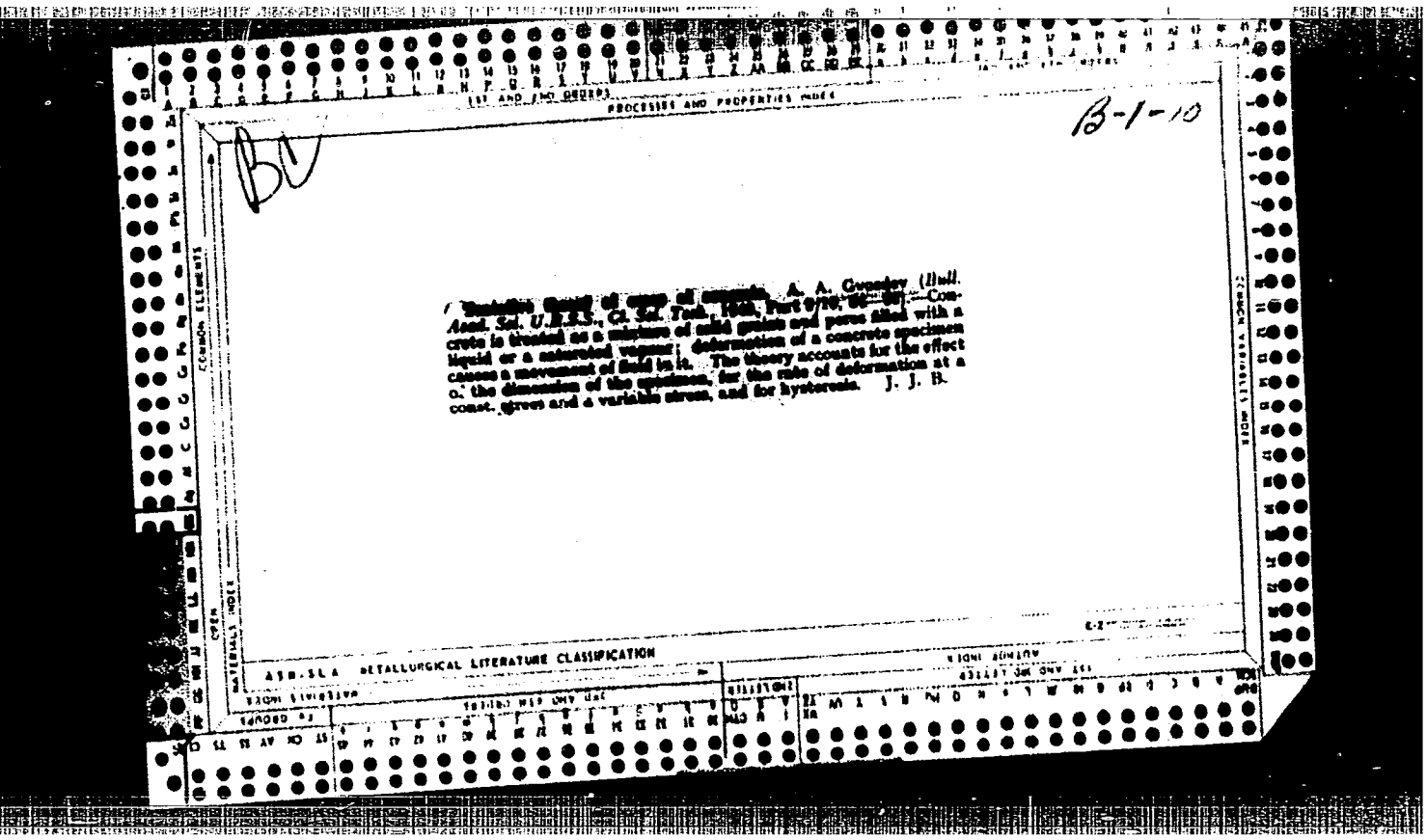
GVOZDETSKIY, V.S.; MECHEV, V.S.

Investigating a direct current welding arc (flat and conical arcs) rotating in a magnetic field. Avtom. svar. 16 no.12:1-6 D '63. (MIRA 17:1)

1. Institut elektrosvarki imeni Patona AN UkrSSR.

GVOZDEV, A.; OKOLOVICH, S.

Green light for tractor trains. Avt.transp. 38 no.7:12-13 Jl '60. (MIRA 13:7)
(Tractor trains)



MEDVEDEV, A.M.; PLATONOV, A.I.; PILATOV, P.A.; GVOZDEV, A.A., prof., doktor tekhn.nauk, otv.red.; KNORRE, A.K., general-mayor inzh.-tekhn.sluzhby, otv.red.; KASHIRTSEV, I.A., tekhn.red.

[Reconstruction of industrial buildings; examples from practice] Vosstanovlenie promyshlennykh zdanii; primery iz praktiki. Moskva, Dorizdat Gushosdora NKVD SSSR, 1945. 75 p. (MIRA 12:11)
(Industrial buildings--Maintenance and repair)

GVOZDEV, A., doktor tekhnicheskikh nauk, professor.

Letter to the editors. Stroi.prom.25 no.8:20-21 Ag '47. (MLRA 9:1)
(Reinforced concrete)

GVOZDEV, A.A.

27697 O razvitii teorii rasveta zhelezobetonnykh konstruktsiy v SSSR. Trudy iv vsesoyvs. konf-tsii po betonv i zhelezobeton. Konstrvktsiyam. Ch. 2. M-L, 1949, s. 3-19.

SO: Knizhnaya Letopis, Vol. 1, 1955

GVOZDYEV, A.A.

29614

Myetod Payedyel'Nogo Ravnovyesiya v Primyenyenii K Paschyetu Zhyelyeeobyetonnykh Konstruktsiy. Inzh. Sbornik (Akad Nauk SSSR, In-T myekhaniki), T.V. vyp.2, 1949, S. 320- Bibliogr: 5 Naev

SO: Letopis' No.40

GVOZDEV, A.

PA 163T73

USSR/Physics - Shells May 50

"Review of V. Z. Vlasov's Book, 'Structural Mechanics of Thin-Walled Spatial Systems,'" A. Gvozdev

"Iz Ak Nauk SSSR, Otdel Tekh Nauk" No 5, pp 785-787

Subject book ("Stroitel'naya Mekhanika Tonkostennykh Prostranstvennykh Sistem," 432 pp, 222 ill, State Publ of Constr Lit, 33.80 rubles) considers shells, structural members, and whole structures formed from plates. Chapters are: (1) mathematical theory, (2) shells with various boundary conditions, (3) closed multiconnected Prismatic shells (4) practical applications, (5) stability of Prismatic Shells of thin-walled beams and columns of variable cross

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USSR/Physics - Shells (Contd) May 50

section, (6) thin-walled sectional beams of open profile, (7) bending of plates, (8) variational method, and (9) prismatic systems with rigidly fixed ribs. Vlasov was awarded Stalin Prize for this work.

163T73

1. GVOZDEV, A. A.

2. USSR (600)

4. Technology

7. Problems of contemporary reinforced concrete construction. Moskva, Gos. izd-vo lit-ry po stroit-vu i arkh-re, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953. Unclassified.

GVOZDEV, A. A. Prof. (Reviewer)

"Reinforced Concrete Construction,"by K. V. Sakhnovskiy, Stroy. prom., 30, No.9, 1952

GVOZDEV, A.A.

USSR/Engineering - Construction, Concrete — Apr 53

"Temperature-Shrinkage Deformations in Massive Concrete Blocks," A. A. Gvozdev

Iz Ak Nauk, OTN, No 4, pp 493-504

Discusses preventive measures against cracks in concrete during setting period. Emphasizing extreme complexity of calculating internal stresses in concrete, attempts to outline method for such calculations by values of temp-shrinkage changes in volume

276T39

of concrete block. Claims that simplifications suggested in developing this method permit its practical application. Presented by V. V. Sokolovskiy, Corr Mb Acad Sci USSR 19 Sep 52.

GVOZDEV, A.A., professor, redaktor; RABINOVICH, I.M., professor, redaktor; FILONENKO-BORODICH, M.M., professor, redaktor; AF'ANAS'YEV, A.M., kandidat tekhnicheskikh nauk, nauchnyy redaktor; TUMARKIN, D.M., inzhener, redaktor; SMOL'YAKOVA, M.V., tekhnicheskiy redaktor.

[Research on the theory of structures] Issledovaniia po teorii sooruzhenii; sbornik statei. Pod red. A.A.Gvozdeva, I.M.Rabinovicha, M.M.Filonenko-Borodicha. Moskva, Gos. izd-vo lit-ry stroit. i arkhitektury. Vol. 6. 1954. 570 p. (MLRA 7:11)
(Structures, Theory of)

STRELETSKIY, N.S., professor, doktor tekhnicheskikh nauk; KELDYSH, V.M., professor, doktor tekhnicheskikh nauk; GVOZDEV, A.A., professor, laureat Stalinskoy premii, doktor tekhnicheskikh nauk; ONISHCHIK, L.I., professor, doktor tekhnicheskikh nauk; GOL'DENBLAT, I.I., doktor tekhnicheskikh nauk; KARTASHOV, K.N., kandidat tekhnicheskikh nauk; BALDIN, V.A., kandidat tekhnicheskikh nauk; TAL', K.E., kandidat tekhnicheskikh nauk.

Discussion of the problem of building calculations using the method of limiting states. Stroi.prom. 32 no.4:41-42 Ap '54. (MLRA 7:5)

1. Chlen-korrespondent Akademii nauk, deystvitel'nyy chlen Akademii arkhitektury (for Streletskiy). 2. Vitse-prezident Akademii arkhitektury (for Keldysh). 3. Chlen-korrespondent Akademii arkhitektury (for Gvozdev). 4. Chlen-korrespondent Akademii arkhitektury (for Onishchik). (Building--Tables, calculations, etc.) (Reinforced concrete construction)

GVOZDEV, A.A., professor, laureat Stalinskoy premii.

Development of the use of precast reinforced concrete construction elements in the U.S.S.R. Stroi.prom. 32 no.10:23-28 O '54.(MLRA 7:11)
(Precast concrete construction)

BORISHANSKIY,M.S., kandidat tekhnicheskikh nauk; GVOZDEV,A.A., professor, doktor tekhnicheskikh nauk; MIZERNYUK,B.N., inzhener; NIKITIN,N.V., inzhener; SHERMAN,L.N., arkhitektor

Precast reinforced concrete beams developed by the State Planning Institute of Industrial Construction and the Central Scientific Research Institute of Industrial Construction. Rats. i izobr. predl. v stroi. no.81:20-22 '54. (MLRA 8:6)
(Girders) (Precast concrete construction)

GVOZDEV, A.A., professor, laureat Stalinskoy premii; KARAMYSHEV, I.A., inzhener, redaktor; ROSTOVTSEVA, M.P., redaktor; VOLKOV, V.S., tekhnicheskiy redaktor.

[Research on the strength, pliability and creepage of building materials] Issledovanie prochnosti, plastichnosti i polzuchesti stroitel'nykh materialov. Pod red. A.A.Gvozdeva. Moskva, Gos. izd-vo lit-ry po stroit. i arkhitekture, 1955. 217 p.
(MLRA 9:5)

1.Moscow. TSentral'nyy nauchno-issledovatel'skiy institut promyshlennykh sooruzheniy.
(Building materials)

SOV/124-58-2-2167

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 2, p 95 (USSR)

AUTHOR: Gvozdev, A. A.

TITLE: The Creep of Concrete and Means for Its Investigation (Polzuchest' betona i puti yeye issledovaniya)

PERIODICAL: V sb: Issledovaniye prochnosti, plastichnosti i polzuchesti stroit materialov. Moscow, 1955, pp 126-137

ABSTRACT: As is known, the linear-creep relationship between deformation and stress, in particular in monoaxial stress conditions, can be expressed in the form

$$\epsilon_x(t) = \frac{\sigma_x(t)}{E(t)} - \int_{t_1}^{t} \frac{\sigma_x(t)}{E(u)} L_E(t,u)\, du,$$

$$\frac{\sigma_x(t)}{E(t)} = \epsilon_x(t) - \int_{t_1}^{t} \epsilon_x(u)\, R_E(t,u)\, du,$$

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The Creep of Concrete and Means for Its Investigation

where $L(t,u)$ [this should more properly be $L_E(t,u)$; Transl. Ed. Note] is the influence function of preceding elastic deformations on the observed total deforma tion and $R_E(t,u)$ is the influence function of preceding total deformations on the observed stress. One of these functions can be determined experimentally while the other can be obtained from the relationship between the kernel and the resol vent of the Volterra integral equation. Experimental curves are adduced for L and it is shown that stresses exerted upon a concrete specimen quite recently, and also stresses which occurred when the material was young, may leave a sig nificant effect, even though the effect of stresses applied in the interim period may have been erased to a significant degree.

N. Kh. Arutunyan

GVOZDEV, A.A., laureat Stalinskoy premii

Present state and problems of theory in reinforced concrete construction. (MLRA 8:9)
Bet. i zhel.-bet. no.2:37-44 My '55.

1. Chlen-korrespondent Akademii arkhitektury SSSR.
(Reinforced concrete construction)

GVOZDEV, A.A., professor.

Second congress of the International Federation for Prestressed Reinforced Concrete meets in Amsterdam. Bet.i shel.-bet. no.9: 331-332 D '55. (MLRA 9:3)
(Amsterdam--Prestressed concrete construction--Congresses)

BARANNIKOV, M.G.; GVOZDEV, A.A.; GUSHCHIN, V.M.; DAVYDOV, S.S.; DUDOROV, N.P.; KOLENKOV, V.A.; LOVEYKO, I.I.; SVETLICHNYY, V.I.; SKROMTAYEV, B.G.; KUCHERENKO, V.A., redaktor; BARSKOV, I.M., redaktor; RUBANENKO, B.P., redaktor; GORSHKOV, A.P., redaktor izdatel'stva; STRELETSKIY, I.A., tekhnicheskiy redaktor

[Construction practices abroad; in countries of Western Europe. Based on material gathered by a delegation of Soviet building specialists] Opyt stroitel'stva za rubezhom; v stranakh Zapadnoi Evropy. Po materialam otchetov delegatsii sovetskikh spetsialistov-stroitelei. Moskva, Gos. Iz-vo lit-ry po stroit. i arkhitekture, 1956. 365 p. (MLRA 10:1)
(Europe, Western--Building)

SOV/137-57-10-19091

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 10, p 95 (USSR)

AUTHOR: Gvozdev, A.A.

TITLE: Specifications for Concrete-reinforcing Bars (Trebovaniya k profilyam dlya armatury zhelezobetonnykh konstruktsiy)

PERIODICAL: V sb.: Ratsionalizatsiya profiley prokata. Moscow, Profizdat, 1956, pp 339-344

ABSTRACT: The following measures are recommended to improve concrete-reinforcing bars Expansion of the production of deformed sections of Nr 25GS steel (bars 10-40 mm in diam and rods 6-9 mm in diam), and development of a weldable low-alloy steel not subject to cold shortness, organization of mass production of 40 to 90-mm diam rods for hydroelectric construction. A low-alloy deformed rod capable of being butt welded and having a σ_b of the order of 100 kg/mm^2 has to be developed for prestressed structures, and the manufacture of low-alloy, heat-treated 7-mm deformed rods having $\sigma_b > 150$ kg/mm^2 to reinforce prestressed structures must be perfected. V.O.

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GVOZDEV, A.A., professor.

Some practical problems related to prestressed reinforced concrete. Bet. i zhel.-bet. no.1:29-31 Ja '56.(MIRA 9:4)
(Prestressed concrete)

GVOZDEV, A.A., professor.

"The ultimate-load theory applied to the design of reinforced and prestressed concrete frames" [in English] by A.L.L.Baker. Reviewed by A.A.Gvozdev. Bet.i zhel.-bet. no.11:412-413 N '56. (MLRA 9:12)

1. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR.
(Reinforced concrete construction) (Baker, A.L.L.)

GVOZDEV, A. A. (Prof.)

"Noteworthy Shell Construction in the Soviet Union,"

paper presented at 2nd Internationation Symposium on Shell Construction in Oslo, 1- 3 July 1957.

SO: Bauplanung-Bautechnik, No. 11, 1957.

AUTHORS: Gvozdev, A.A. (Professor), and Dmitriyev, S.A. (Cand.Tech. Sci.) 97-5-6/13

TITLE: Calculation of prestressed concrete, ordinary reinforced concrete and plain concrete sections for the prevention of crack formation. (K raschetu predvaritel'no napryazhennykh, obychnykh zhelezobetonnykh i betonnykh secheniy po obrazovaniyu treshchin).

PERIODICAL: "Beton i Zhelezobeton" (Concrete and Reinforced Concrete) 1957, No.5, pp.205-211 (USSR).

ABSTRACT: Stress diagrams are used as basis for the above calculations. In these diagrams the stress in the tensioned zone is represented by a rectangle in the tension area and its base Rp = the breaking stress. Professor V.I.Murashev recommended a simplification of the calculations by extension of the linear stress diagram from the compressed zone to the tensioned zone so that the magnitude of the extreme tensioned fibre = 2Pr(Viz.Fig.1). This simplification gives much more simplified formulae which are of great advantage during the calculation of prestressed sections. This simplified method is described in the work by Professor V.V.Mikhaylov: "Investigations on Ordinary and Prestressed Reinforced Concrete Constructions" (Issledovanie Obychnykh i Predvaritel'no Napryazhennykh Zhelezobetonnykh Konstruktsiy) which was

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Calculation of prestressed concrete, ordinary reinforced concrete and plain concrete sections for the prevention of crack formation. (Cont.) 97-5-6/13

published in the "Sbornik Trudov TsNIPS (ЦНИПС), Stroyizdat, 1949. It contains tables and instructions for the calculation of prestressed constructions (I - 148 - 50, I - 148 - 52). The calculation of crack formations in pretensioned and ordinary reinforced concrete constructions effected by bending or eccentrical bending is carried out by using the simplified formulae.

There are 9 figures.

AVAILABLE:

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GVOZDEV, A.A.

GVOZDEV, A.A., prof. doktor tekhn.nauk

Thermal shrinkage stresses in concrete blocks and massive constructions. Sbor. trud. MISI no.11:11-43 '57. (MIRA 11:3)
(Concrete construction) (Strains and stresses)

GVOZDEV, A.A., prof.

Calculating tension losses caused by friction in prestressed structural components. Bet. i zhel.-bet. no.12:503 D '57. (MIRA 11:1)
(Prestressed concrete)

SOV/124-58-3-3411

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 3, p 119 (USSR)

AUTHOR: Gvozdev, A. A.

TITLE: Temperature-contraction Stresses in Concrete Blocks and Massive Structures (Temperaturno-usadochnyye napryazheniya v betonnykh blokakh i massivnykh sooruzheniyakh)

PERIODICAL: Sb. tr. Mosk. inzh.-stroit. in-ta, 1957, Nr 17, pp 11-43

ABSTRACT: A presentation of graphical and analytical techniques for the approximate solution of problems on propagation of heat in concrete blocks and massive structures. Formulae permitting computation of temperature and contraction deformations and stresses are derived with due allowances for creep phenomena. The expressions obtained are applied to conditions existing in concrete blocks of hydraulic structures reinforced in various fashions.. Computations of temperature-contraction stresses are carried out in order to determine maximal permissible dimensions of blocks. A number of measures is recommended for the purpose of increasing the size of the blocks: a) Reduction of cement consumption; b) employment of cement with low heat emission; c) cooling of concrete by means of a system of pipes embedded in it. The last technique, however, is costly.

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Temperature-contraction Stresses in Concrete Blocks (cont.)

It is more expedient to cool the concrete before laying if construction work must be performed during the hot season of the year. Wherever possible it is advisable to cover the surface of the concrete with heat-insulating material and employ a filler with a small temperature coefficient of expansion.

K. S. Zavriyev

GVOZDEV, A.A., prof., doktor tekhn.nauk; KORNEV, A.N., kand.tekhn.nauk; KHAVIN, B.N., red.izd-va; SOLNTSEVA, L.M., tekhn.red.

[Temporary technical specifications for designing construction elements made of lightweight concretes with synthetic aggregates] Vremennye tekhnicheskie usloviia po proektirovaniiu konstruktsii iz legkikh betonov s iskustvennymi zapolniteliami. Moskva, 1958. 20 p. (MIRA 13:4)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut betona i zhelezobetona, Perovo. 2. Laboratoriya konstruktsiy iz yacheistykh i legkikh betonov Nauchno-issledovatel'skogo instituta betona i zhelezobetona (NIIZhB) (for Gvozdev, Kornev).
(Lightweight concrete)

GVOZDEV, A.A., prof., doktor tekhn. nauk; MIKHAYLOV, V.V., prof.; DMITRIYEV, S.A., kand. tekhn. nauk, starshiy nauchnyy sotrudnik; KALATUROV, B.A., kand. tekhn. nauk, starshiy nauchnyy sotrudnik; TABENKIN, N.L., inzh.; KOSTYUKOVSKIY, M.G., kand. tekhn. nauk; VASIL'YEV, B.F., inzh.; pri uchastii kand. tekhn. nauk O.Ya. BERG i inzh. I.S. PRIKHOD'KO; TEMKIN, L.Ye., inzh., red.; PETROVA, V.V., red. izd-va; EL'KINA, E.M., tekhn. red.

[Instructions for designing prestressed reinforced concrete structures] Instruktsiia po proektirovaniiu predvaritel'no napriazhennykh zhelezobetonnykh konstruktsii (SN 10-57); utverzhdena Gosudarstvennym komitetom Soveta Ministrov SSSR po delam stroitel'stva 14 oktiabria 1957 g. Moskva, Gos. izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1958. 239 p. (MIRA 11:5)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. Laboratoriya teorii zhelezobetona i armatury i laboratoriya predvaritel'no napryazhennykh konstruktsiy Nauchno-issledovatel'skogo instituta betona i zhelezobetona Akademii stroitel'stva i arkhitektury SSSR (for Gvozdev, Mikhaylov, Dmitriyev, Kalaturov). 3. Gosudarstvennyy institut tipovogo proyektirovaniya i tekhnicheskikh issledovaniy Glavstroyproyekta (for Tabenkin, Kostyukovskiy, Vasil'yev). 4. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Gvozdev, Mikhaylov)
(Prestressed concrete construction)

GVOZDEV, A.A., inzh.

Precision adjustment of universal-joint parts. Izv. vys. ucheb.zav.; prib. no.2:32-35 '58. (MIRA 11:7)

1.Gosudarstvennyy Soyuznyy nauchno-issledovatel'skiy institut.
(Universal joints (Mechanics))

Gvozdev, A. A.

49-58-2-1/18

AUTHORS: Skuridin, G. A. and Gvozdev, A. A.

TITLE: On Boundary Conditions for Jumps in Discontinuous Solutions of the Dynamical Equations of Elasticity Theory. (O krayevykh usloviyakh dlya skachkov razryvnykh resheniy dinamicheskikh uravneniy teorii uprugosti.)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Seriya Geofizicheskaya, 1958, Nr. 2, pp. 145-156. (USSR)

ABSTRACT: At the present time asymptotic representations are important in many branches of mathematics and theoretical physics. In Refs. 2-7 the application of the asymptotic method to the solution of dynamical problems in elasticity theory was indicated, and the fundamental equations for jumps in discontinuous solutions of the equations, both for homogeneous and for inhomogeneous media, were obtained. However, for the further development of the asymptotic method it is essential to formulate the basic boundary conditions for jumps in discontinuous solutions.

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On Boundary Conditions for Jumps in Discontinuous Solutions of the Dynamical Equations of Elasticity Theory.

This makes it possible to solve problems immediately for jumps in displacements and velocities, without reference to the solution of Lamé's system of equations. The passage to the limiting relations in these equations must be accompanied by a similar transition in the boundary conditions (Ref.2). Such a transition is absent from Refs. 4 and 5. For simplicity the authors consider the two-dimensional case with two-dimensional boundaries and plane boundaries of separation; but within the limits of applicability of "the principle of the isolated element", the conclusions remain true for curvilinear boundaries (Ref.8). The authors begin by discussing the transformation of the fundamental equations of motion in an inhomogeneous elastic medium:

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On Boundary Conditions for Jumps in Discontinuous Solutions of the Dynamical Equations of Elasticity Theory.

$$L_1 u + \rho X = -\left\{ \operatorname{div} \underline{u} \frac{\partial \lambda}{\partial x} + 2\left[\varepsilon_{xx} \frac{\partial \mu}{\partial x} + \varepsilon_{xy} \frac{\partial \mu}{\partial y} + \varepsilon_{xz} \frac{\partial \mu}{\partial z} \right] \right\},$$

$$L_2 v + \rho Y = -\left\{ \operatorname{div} \underline{u} \frac{\partial \lambda}{\partial y} + 2\left[\varepsilon_{xy} \frac{\partial \mu}{\partial x} + \varepsilon_{yy} \frac{\partial \mu}{\partial y} + \varepsilon_{yz} \frac{\partial \mu}{\partial z} \right] \right\}, \quad \text{(Eq.1)}$$

$$L_3 w + \rho Z = -\left\{ \operatorname{div} \underline{u} \frac{\partial \lambda}{\partial z} + 2\left[\varepsilon_{xz} \frac{\partial \mu}{\partial x} + \varepsilon_{yz} \frac{\partial \mu}{\partial y} + \varepsilon_{zz} \frac{\partial \mu}{\partial z} \right] \right\},$$

where L_j is Lamé's operator:

$$L_j \equiv (\lambda + \mu) \frac{\partial}{\partial x_j} \operatorname{div} + \mu \nabla^2 - \rho \frac{\partial^2}{\partial t^2} .$$

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On Boundary Conditions for Jumps in Discontinuous Solutions of the Dynamical Equations of Elasticity Theory.

Let

$$s_1 = \sqrt{\frac{\rho}{\lambda + 2\mu}} \quad , \quad \text{and} \quad s_2 = \sqrt{\frac{\rho}{\mu}} \quad .$$

Further, let

$$\nabla^2_{\lambda}\psi_1 = \nabla^2\psi_1 + \frac{1}{\lambda + 2\mu}(\text{grad}(\lambda + 2\mu)\text{grad}\ \psi_1), \qquad \text{(Eq.8)}$$

$$\nabla^2_{\mu}\psi_2 = \nabla^2\psi_2 + \frac{1}{\mu}(\text{grad}\ \mu\ \text{grad}\ \psi_2).$$

Card 4/13 If the auxiliary variable τ_1 is introduced by the relation

On Boundary Conditions for Jumps in Discontinuous Solutions of the Dynamical Equations of Elasticity Theory.

$$\varepsilon_i \frac{d}{ds_i} = \frac{d}{d\tau_i}$$

($\frac{d}{ds_i}$ denotes differentiation along a ray) and $\underline{P}$ and $\underline{Q}$ are defined by

$$\underline{P} = \underline{u}^* \exp\left\{\frac{1}{2}\int_0^{\tau_1} \nabla^2_{\lambda}\psi_1 d\tau_1\right\}, \quad \underline{Q} = \underline{v}^* \exp\left\{\frac{1}{2}\int_0^{\tau_2} \nabla^2_{\mu}\psi_2 d\tau_2\right\}, \qquad \text{(Eq.9)}$$

Card 5/13 then the equations for the jump discontinuities in the displacement vector $\underline{u}^*$, $\underline{v}^*$ are

On Boundary Conditions for Jumps in Discontinuous Solutions of the Dynamical Equations of Elasticity Theory.

$$2\frac{d\underline{P}}{d\tau_1} + \frac{1}{\lambda + 2\mu}\left[(\underline{P}\ \mathrm{grad}\ \lambda)\mathrm{grad}\ \psi_1\right] = 0,$$

$$2\frac{d\underline{Q}}{d\tau_2} + \frac{1}{\mu} \cdot \underline{Q}(\mathrm{grad}\ \mu)\mathrm{grad}\ \psi_2 = 0 \qquad \text{(Eq.10)}$$

respectively for longitudinal and transverse waves. After solving these equations the authors go on to deduce the boundary conditions for the case of reflection of elastic waves from the boundary of a half-space. It is supposed that on the boundary of the half-space there falls a longitudinal elastic wave whose wave-front in the half-space (x, y, t) is defined by the equation

Card 6/13 $\Phi_0(x, y, t) \equiv t - \psi_0(x, y) = 0$ (Eq.28)

On Boundary Conditions for Jumps in Discontinuous Solutions of the Dynamical Equations of Elasticity Theory

After reflection there are two elastic waves described by

$$\Phi_1(x, y, t) \equiv t - \psi_1(x, y) = 0,$$
$$\Phi_2(x, y, t) = t - \psi_2(x, y) = 0. \qquad (4.29)$$

Denote by $\underline{u}_0(u_0, v_0)$ the displacement vector of the incident longitudinal wave; by $\underline{u}_1(u_1, v_1)$ the vector of the reflected longitudinal wave, and by $\underline{u}_2(u_2, v_2)$ the vector of the reflected transverse wave. These vectors can be represented in the form

$$\underline{u}_i(x,y,t)=\underline{u}_i^{(1)}(x,y,t)\Phi_i)+\underline{u}_i^{(2)}(x,y,t)V(-\Phi_i), \qquad (4.30)$$

where $\underline{u}_i^* = \underline{u}_i^{(2)} - \underline{u}_i^{(1)}$ is the jump in the displacement vector on the surface of discontinuity, $\Phi_i = 0$ ($i = 1, 2$) and $V(x)$ is Heaviside's unit function.

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On Boundary Conditions for Jumps in [illegible] of the Dynamical Equations of Elasticity Theory.

If the boundary of the half-space is rigidly fixed, then the boundary conditions for jumps in the reflected waves are (for $y = 0$)

$$u_1^* \Big|_{y=0} = - u_0^* \frac{\frac{\partial \psi_0}{\partial x}\frac{\partial \psi_2}{\partial x} + \frac{\partial \psi_0}{\partial y}\frac{\partial \psi_2}{\partial y} + \frac{\partial \psi_0}{\partial z}\frac{\partial \psi_2}{\partial z}}{\frac{\partial \psi_1}{\partial x}\frac{\partial \psi_2}{\partial x} + \frac{\partial \psi_1}{\partial y}\frac{\partial \psi_2}{\partial y} + \frac{\partial \psi_1}{\partial z}\frac{\partial \psi_2}{\partial z}}$$

$$v_1^* \Big|_{y=0} = - v_0^* \frac{\frac{\partial \psi_0}{\partial x}\frac{\partial \psi_2}{\partial x} + \frac{\partial \psi_0}{\partial y}\frac{\partial \psi_2}{\partial y} + \frac{\partial \psi_0}{\partial z}\frac{\partial \psi_2}{\partial z}}{\frac{\partial \psi_1}{\partial x}\frac{\partial \psi_2}{\partial x} + \frac{\partial \psi_1}{\partial y}\frac{\partial \psi_2}{\partial y} + \frac{\partial \psi_1}{\partial z}\frac{\partial \psi_2}{\partial z}}$$

and [illegible] for the reflected longitudinal wave, we [illegible]

On Boundary Conditions for Jumps in Discontinuous Solutions of the Dynamical Equations of Elasticity Theory.

$$u_2^{\leftarrow}\Big|_{y=0} = -u_0^{\leftarrow}\,\frac{\frac{\partial\psi_0}{\partial x}\frac{\partial\psi_1}{\partial y} - \frac{\partial\psi_0}{\partial y}\frac{\partial\psi_1}{\partial x}\frac{\partial\psi_2}{\partial y}}{\frac{\partial\psi_1}{\partial x}\frac{\partial\psi_2}{\partial x} + \frac{\partial\psi_1}{\partial y}\frac{\partial\psi_2}{\partial y}\frac{\partial\psi_0}{\partial x}},$$

$$v_2^{\uparrow}\Big|_{y=0} = v_0^{\uparrow}\,\frac{\frac{\partial\psi_0}{\partial x}\frac{\partial\psi_1}{\partial y} - \frac{\partial\psi_0}{\partial y}\frac{\partial\psi_1}{\partial x}\frac{\partial\psi_2}{\partial x}}{\frac{\partial\psi_1}{\partial x}\frac{\partial\psi_2}{\partial x} + \frac{\partial\psi_1}{\partial y}\frac{\partial\psi_2}{\partial y}\frac{\partial\psi_0}{\partial y}} \qquad (Eq.35)$$

for the reflected transverse wave. For these equations it is assumed that on the boundary $y = 0$ we have

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$$\psi_i(x, 0) = \psi_j(x, 0),$$

and that ψ_i satisfies the equation

$$\text{grad}^2 \psi_i = \varsigma_i^2 .$$

Corresponding equations are also derived for the case of a free boundary. Finally, the authors derive the boundary conditions for a direct wave in the case of a half-space. In Ref.13 Fridrikhs (Friedrichs) and Keller obtained expressions for a direct wave at the boundary of two fluid half-spaces by using the fact that the direct wave-front was known from considerations outwith the framework of the asymptotic method. In this paper the authors obtain the boundary conditions for direct waves at free and fixed boundaries of an elastic half-space on which a transverse wave is incident. For a fixed

Card 10/13 boundary the following expressions for the jumps in

On Boundary Conditions for Jumps in Discontinuous Solutions [illegible] the Dynamical Equations of Elasticity Theory.

the displacement vector of the direct wave at the boundary $y = 0$ are obtained:

$$u_2^{(2)}\Big|_{y=0} = \frac{\dfrac{\partial u_1^{(1)}}{\partial y}\dfrac{\partial \Phi_2}{\partial y}}{\dfrac{\partial \Phi_1}{\partial x}\dfrac{\partial \Psi_2}{\partial x}}, \qquad \text{(Eq.57)}$$

$$v_2^{(2)}\Big|_{y=0} = \frac{\dfrac{\partial u_1^{(1)}}{\partial y}}{\dfrac{\partial \Phi_1}{\partial x}}$$

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On Boundary Conditions for Jumps in Discontinuous Solutions of the Dynamical Equations of Elasticity Theory.

When the boundary is free the corresponding equations are:

$$u_2^{(2)}\Big|_{y=0} = -\frac{2\dfrac{\partial_{-1}^{(1)}}{\partial y}}{\left[\left(\dfrac{\partial \Phi_3}{\partial y}\right)^2 - \left(\dfrac{\partial \Phi_3}{\partial x}\right)^2\right]} \frac{\partial \Phi_3}{\partial y},$$

(Eq.59)

$$v_2^{(2)}\Big|_{y=0} = \frac{2\dfrac{\partial \vartheta_1^{(1)}}{\partial y}}{\left[\left(\dfrac{\partial \Phi_3}{\partial y}\right)^2 - \left(\dfrac{\partial \Phi_3}{\partial x}\right)^2\right]} \frac{\partial \Phi_3}{\partial x}$$

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49-58-2-1/18

On Boundary Conditions for Jumps in Discontinuous Solutions of the Dynamical Equations of Elasticity Theory.

There are 4 figures and 13 references, of which 3 are English and 10 Russian.

ASSOCIATION: Academy of Sciences of the USSR; Institute of Earth Physics. (Akademiya nauk SSSR; Institut fiziki Zemli.)

SUBMITTED: April 22, 1957.

AVAILABLE: Library of Congress.

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DAVYDOV, S.S.; KARTASHOV, K.N.; GVOZDEV, A.A.; MIKHAILOV, V.V.

Methods for further expanding the production of precast reinforced concrete. Bet. i zhel.-bet. no.3:81-88 Mr '58. (MIRA 11:3)

1. Deystvitel'nyye chleny Akademii stroitel'stva i arkhitektury SSSR.
(Precast concrete)

USSR

BASHLAY, K. I. - "Dimensional tolerances of heavy elements" (Session IV)

BELENYA, Ye. I. - "Research on conditions of work and ultimate state of steel frames of industrial buildings" (Session II)

BERG, O. Ya. - "Research on the concrete strength theory" (Session II)

BOGDANOV (fnu) (probably Nikolay N. Bogdanov) and KHLUSOV (fnu) - "General regulations adopted in new 'Instructions on design, erection and maintenance of flat roofs in the USSR' and the result of recent investigation of flat roof structures in the USSR" (Session VI)

BORISHANSKIY, M. S. - "Resistance of reinforced concrete members to the effect of transverse forces" (Session II)

GVOZDEV, A. A., Prof. Dr. - "Present state and problems of design of building structures" (Session II)

KUZNETSOV, Grigoriy P., Prof. - "Eastern European experience" (Session IV)

MOROZ[illegible], N. V., and USHKOV, P. V. - "Problems of joining heavy elements in precast dwellings" (Session IV)

MURASHOV, V. I., Prof. Dr. - "Resistance to cracking and stiffness of reinforced concrete members" (Session II)

OVSYANKIN, V. I., Prof., President of Session II; also scheduled to present a paper in Session IX, title not given. Member of the Steering Committee for the Congress.

RZHANITSYN, Alekasy R., Prof. Dr. - "Design of carrying capacity of slabs and shells by the limit balance method" (Session II)

SHAGIN, F. P., GANTSEV, O. A., Prof. Dr., and PERLIN, D. A. - "Stability of multi-story buildings of heavy elements" (Session IV)

reports to be submitted for the Intl. Congress and Third General Assembly, Intl. Council for Building Research, Studies and Documentation, Rotterdam, Netherlands, 31-25 Sep 1959.

BERDICHEVSKIY, G.I., kand.tekhn.nauk; DMITRIYEV, S.A., kand.tekhn.nauk; MIKHAYLOV, K.V., kand.tekhn.nauk; GVOZDEV, A.A., prof., doktor tekhn.nauk; MIKHAYLOV, V.V., prof., doktor tekhn.nauk; BULGAKOV, V.S., kand.tekhn.nauk; VASIL'YEV, A.P., kand.tekhn.nauk; YEVGEN'YEV, I.Ye., kand.tekhn.nauk; MULIN, N.M., kand.tekhn.nauk; SVETOV, A.A., kand.tekhn.nauk; FRENKEL', I.M., kand.tekhn.nauk; BELOBROV, I.K., inzh.; MATKOV, N.G., inzh.; MITNIK, G.S., inzh.; SKLYAR, B.I., inzh.; SHILOV, Ye.V., inzh.; MASENKO, I.D., inzh.; NIZHNICHENKO, I.P., inzh.; FILIPPOVA, G.P., inzh.; MIZERNYUK, B.N., kand.tekhn.nauk; SHEYNFEL'D, N.M., kand.tekhn.nauk; BALAT'YEV, P.K., kand.tekhn.nauk; BARBARASH, I.P., kand.tekhn.nauk; MITGARTS, L.B., kand.tekhn.nauk; SHIFRIN, M.A., kand.tekhn.nauk; PETROVA, V.V., red.izd-va; TEMKINA, Ye.L., tekhn.red.

[Temporary instruction on the technology of making prestressed reinforced concrete construction elements] Vremennaia instruktsiia po tekhnologii izgotovleniia predvaritel'no napriazhennykh zhelezobetonnykh konstruktsii. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1959. 255 p. (MIRA 12:12)

(Continued on next card)

BERDICHEVSKIY, G.I.---(continued) Card 2.

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut betona i zhelezobetona, Perovo. 2. Nauchno-issledovatel'skiy institut betona i zhelezobetona Akademii stroitel'stva i arkhitektury SSSR (for Gvozdev, V.V.Mikhaylov, Berdichevskiy, Bulgakov, Vasil'yev, Dmitriyev, Yevgen'yev, K.V.Mikhaylov, Mulin, Svetov, Frenkel', Belobrov, Matkov, Mitnik, Sklyar, Shilov). 3. Nauchno-issledovatel'skiy institut organizatsii, mekhanizatsii i tekhpomoshchi Akademii stroitel'stva i arkhitektury SSSR (for Masenko, Nizhnichenko, Filippova, Mizernyuk, Sheynfel'd). 4. Nauchno-issledovatel'skiy institut Glavmospromstroymaterialov (for Balat'yev, Barbarash). 5. Nauchno-issledovatel'skiy institut po stroitel'stvu Minstroya RSFSR (for Mitgarts, Shifrin). 6. Deystvitel'nyye chleny Akademii stroitel'stva i arkhitektury SSSR (for Gvozdev, V.V.Mikhaylov).

(Prestressed concrete)

MURASHEV, V.A.

MURASHEV, V.A., prof., doktor tekhn.nauk; MIRONOV, S.A., prof., doktor tekhn.nauk; ALEKSANDROVSKIY, S.V., kand.tekhn.nauk; TAL', K.Z., kand.tekhn.nauk; DMITRIYEV, S.A., kand.tekhn.nauk; MULIN, N.M., kand.tekhn.nauk; SIGALOV, E.Ye., kand.tekhn.nauk; NEMIROVSKIY, Ya.M., kand.tekhn.nauk; TABENKIN, N.L., inzh. [deceased]; KALATUROV, B.A., kand.tekhn.nauk; BRAUDE, Z.I., inzh.; KRYLOV, S.M., kand.tekhn.nauk; POKIN, K.F., doktor tekhn.nauk; GUSEV, N.M., prof., doktor tekhn.nauk; YAKOVLEV, A.I., inzh.; KORENEV, B.G., prof., doktor tekhn.nauk; DERESHKEVICH, Yu.V., inzh.; MOSKVIN, V.M.; LUR'YE, L.L., inzh.; MAKARICHEV, V.V., kand.tekhn.nauk; SHEVCHENKO, V.A., inzh.; VASIL'YEV, B.F., inzh.; KOSTYUKOVSKIY, M.G., kand.tekhn.nauk; MAGARIK, I.L., inzh.; IL'YASHEVSKIY, Ya.A., inzh.; LARIKOV, A.F., inzh.; STULOV, T.T., inzh.; TRUSOV, L.P., inzh.; LYUDKOVSKIY, I.G., kand.tekhn.nauk; POPOV, A.N., kand.tekhn. nauk; VINOGRADOV, N.M., inzh.; USHAKOV, N.A., kand.tekhn.nauk; SVERDLOV, P.M., inzh.; TER-OVANESOV, G.S., inzh.; GLADKOV, B.N., kand.tekhn.nauk; KOSTOCHKINA, G.V., arkh.; KUREK, N.M.; OSTROVSKIY, M.V., kand.tekhn.nauk; PEREL'SHTEYN, Z.M., inzh.; BUKSHTEYN, D.I., inzh.;

(Continued on next card)

MURASHEV, V.A.---(continued) Card 2.
MIKHAYLOV, V.G., kand.tekhn.nauk; SIGALOV, E.Ye., kand.tekhn.nauk; GVOZDEV, A.A., prof., retsenzent; MIKHAYLOV, V.V., prof., retsenzent; PASTERNAK, P.L., prof., retsenzent; SHUBIN, K.A., inzh., retsenzent; TEMKIN, L.Ye., inzh., nauchnyy red.; KOTIK, B.A., red. izd-va; GORYACHEVA, T.V., red.izd-va; MEDVEDEV, L.Ya., tekhn.red.

[Handbook for designers] Spravochnik proektirovshchika. Pod obshchei red. V.I.Murasheva. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam. Vol.5. [Precast reinforced concrete construction elements] Sbornye zhelezobetonnye konstruktsii. (MIRA 12:12) 1959. 603 p.

1. Akademiya stroitel'stva i arkhitektury SSSR. Nauchno-issledovatel'skiy institut betona i zhelezobetona, Perovo. 2. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Murashev, Gvozdev, Mikhaylov, V.V., Pasternak, Shubin). 3. Chlen-korresp. Akademii stroitel'stva i arkhitektury SSSR (for Mironov, Gusev, Moskvin, Kurek).
(Precast concrete construction).

GVOZDEV, A.A.

SOV/97-59-1-16/18

AUTHOR: None given

TITLE: Information from the Commission on Prestressed and Precast Reinforced Concrete Constructions (V Komissii po predvaritel'no napryazhennym i sbornym zhelezobetonnym konstruktsiyam)

PERIODICAL: Beton i Zhelezobeton, 1959, Nr 1, p 44 (USSR)

ABSTRACT: In December 1958 a session of the Commission on Prestressed and Precast Reinforced Concrete Construction was held in Moscow. This Commission was appointed by the Academy of Building and Architecture of USSR (Akademiya stroitel'stva i arkhitektury SSSR). The following papers were read:
Programmes and Planning for 1959/1965 - N.K. Proskuryakov, Director of the Department of Concrete and Reinforced Concrete Constructions of Gosstroy of USSR;
Report on the Commission's Activities in 1958 and Plans for 1959 - V.V. Mikhaylov and A.A. Gvozdev, Members of ASiA SSSR;
Reports on the Third International Congress on Prestressed Precast Reinforced Concrete - S.S. Davydov, Vice-President of ASiA SSSR; V.V. Mikhaylov, Member ASiA SSSR;

GVOZDEV, A.A.

Some results of the international scientific conference on designing construction elements. Bet. i zhel.-bet. no.2:80-81 F '59. (MIRA 12:3)

1. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR. (Moscow--Building--Congresses)

GVOZDEV, A.A., doktor tekhn. nauk, prof.

Some mechanical properties of concrete essentially important for structural mechanics of reinforced concrete construction elements. Trudy NIIZHB no.4:5-17 '59. (MIRA 12:9)
(Concrete--Testing) (Strains and stresses)

SOV/49-59-7-22/22

AUTHORS: Gvozdev, A. A., Chekin, B. S.

TITLE: Letter to the Editor

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geofizicheskaya, 1959, Nr 7, pp 1087-1088 (USSR)

ABSTRACT: The author sent the following comments to the editor. In Nrs 1 and 2, 1959, of this journal, two articles (Refs 1 and 2) were published on seismic waves, in which the coefficients of wave reflection and refraction were expressed by two differing formulae. In the opinion of the authors the formulae in the second article are the correct ones, but a new version is suggested. There are 2 references.

Card 1/1

GVOZDEV, A.A., prof., doktor tekhn.nauk; DMITRIYEV, S.A., kand.tekhn. nauk; MULIN, N.M., kand.tekhn.nauk; BALDIN, V.A., kand.tekhn. nauk; BRODSKIY, A.Ya., kand.tekhn.nauk; SOKOLOVSKIY, P.I., kand.tekhn.nauk; FRIDMAN, A.M., mladshiy nauchnyy sotrudnik. Prinimal uchastiye MADATYAN, S.A., mladshiy nauchnyy sotrudnik. KLIMOVA, G.D., red.izd-va; NAUMOVA, G.D., tekhn.red.

[Instructions for using hot-rolled ribbed 30KhG2S steel reinforcements in making prestressed reinforced-concrete construction elements] Ukazaniia po primeneniiu goriachekatanoi armatury periodicheskogo profilia iz stali marki 30KhG2S v predvaritel'no napriazhennykh zhelezobetonnykh konstruktsiiakh. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1960. 21 p. (MIRA 14:1)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut betona i zhelezobetona, Perovo. 2. Nauchno-issledovatel'skiy institut betona i zhelezobetona (for Gvozdev, Dmitriyev, Mulin). 3. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Gvozdev). 4. Laboratoriya metallicheskikh konstruktsiy TSentral'nogo nauchno-issledovatel'skogo instituta stroitel'nykh konstruktsiy (for Baldin, Brodskiy, Sokolovskiy, Fridman). 5. Chlen-korrespondent Akademii stroitel'stva i arkhitektury SSSR (for Baldin). 6. Nauchno-issledovatel'skiy institut organizatsii, mekhanizatsii i tekhnicheskoy pomoshchi stroitel'stvu (for Madatyan).

(Prestressed concrete) (Reinforcing bars)