

Professor I. S. Yefremov. On His 50th Birthday

SOV/105-59-12-21/23

In March 1956 he became head of the kafedra elektricheskogo transporta of the Moskovskiy energeticheskiy institut (Chair of Electrical Transportation of the Moscow Institute of Power Engineering). He still holds this position. In April 1959 he became dean of the fakul'tet elektrifikatsii promyshlennosti i transporta MEI (Department of Electrification of the Industry and Transportation at the Moscow Institute of Power Engineering). In 1954 he graduated as Doctor of Technical Sciences and became Professor. Since 5 years he is a member of the ekspertnaya komissiya VAK (Expert Commission of the VAK) and the Nauchno-tehnicheskiy sovet Ministerstva kommunal'nogo khozyaystva RSFSR (Scientific-technical Council at the Ministry for Communal Economy of the RSFSR). He has the order "Patriotic War 1st Class" and several other medals. There is 1 figure.

Card 2/2

IVANOV, I. T.

The wrecking of buildings.

Moskva, Izd-vo Narkomkhoza RSFSR, 1946. 66 p. (50-22055)

TH153.I 8

CU

1. Wrecking.

IVANOV, I. T.

How houses are moved.

Moskva, Gos. izd-vo stroit. lit-ry, 1949. 65 p. (Nauchno-populiarnaya bibliotekha stroitel'ia) (50-34234)

TH153.II78

1. Moving of buildings, bridges, etc.

IVASHCHENKO, I. P. Arkh. i SYPCHUK, P. F. Inzh., PILYUGIN, A. I. Kand. Tekhn. Nauk,  
MONFRED, YU. B., IVANOV. I. T. Kand. Tekhn. Nauk

Nauchno-issledovatel'skiy institut stroitel'noy tekhniki Akademii arkhitektury SSSR

Ratsional'nyye konstruksii zhilykh i grazhdanskikh zdaniy dlya rayonov podzemnykh  
vyrabetok Page 68

SO: Collections of Annotations of Scientific Research Work on Construction, completed  
in 1950.  
Moscow, 1951

IVANOV, I.T.

IVANOV, I.T. redaktor

[Construction of high buildings; experience in planning and erecting] Konstruktsiia vysotnykh zdani; iz opyta proektirovaniia i vozvedeniia. Redaktsionnaia kollegiia; I.T. Ivanov [otvetstvennyi redaktor]. Moskva, Gos. izd-vo lit-ry po stroitel'stvy i arkhitekture, 1952. 103 p. (MIRA 8:11)

1. Akademiya arkhitektury SSSR, Moscow. Institut stroitel'noy tekhniki.

(Skyscrapers)

1. IVANOV, I.
2. USSR (600)
4. Public Works
7. Community planning as an aid to practice performance. Zhil.-kom.khoz. 12 no. 10, 1952.

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

YEVSTIGNEYEV, P.N., inzhener; IVANOV, I.T., redaktor; NOVOCHADOV, A.G.,  
redaktor; GUROVA, O.A., tekhnicheskij redaktor

[Non-compressor mechanical application of plaster] Beskompessornoe  
mekhanizirovannoe nanesenije shtukaturnogo rastvora. Moskva, Izd-vo  
Ministerstva kommunal'nogo khoziaistva RSFSR, 1953. 43 p. (MLRA 7:10)  
(Plastering)

IVANOV, I.T., kandidat tekhnicheskikh nauk.

[Moving wooden houses] Peredvizhka dereviannykh domov. Moskva, Izd-vo  
Ministerstv a kommunal'nogo khoziaistva RSFSR, 1953. 61 p. (MLRA 7:5)  
(Moving of buildings, bridges, etc.)



IVANOV, I.

"Large-scale construction of block buildings in Leningrad." (p.14)

ARKHITEKTURA I STROITELISTVO

(Ministerstvo na stroezhite i putishtata, Ministerstvo na komunalnoto stopanstvo i blagoustroistvoto, i Nauchno tehnikeshkita subuz) Sofiya Vol 3 No 12 1953

SO: East European Accessions List Vol 2 No 7 Aug 1954

IVANOV, I.T., direktor, kandidat tekhnicheskikh nauk.

Using progressive technology in the municipal economy of Moscow. Ger.khoz.  
Mosk. 27 no. 3:13-16 Mr '53. (MLRA 6:5)

1. Akademiya kommunal'nogo khozyaystva imeni K.D. Pampilova.  
(Moscow--Municipal engineering)

NOVOCHADOV, A.G., redaktor; IVANOV, I.T., kandidat tekhnicheskikh nauk, redaktor; SOFINSKIY, I.D., inzhener-arkhitektor, redaktor; KOZLOV, N.A., inzhener, redaktor; GELIN, M.M., inzhener, redaktor; POLYAKOV, Ye.V., kandidat tekhnicheskikh nauk, redaktor; KRYUCHKOV, N.V., kandidat tekhnicheskikh nauk, redaktor; KONYASHINA, A., tekhnicheskii redaktor

[Rules governing the technical operation of dwellings] Pravila tekhnicheskoi ekspluatatsii zhilykh zdani. Moskva, Izd-vo Ministerstva kommunal'nogo khoziaistva RSFSR, 1954. 139 p. (MLRA 8:6)

1. Direktor Akademii kommunal'nogo khoziaistva im. K.D.Pamfilova (for Ivanov). 2. Nachal'nik Glavnogo upravleniya zhilishnogo khozyaystva Ministerstva kommunal'nogo khozyaystva RSFSR (for Sofinskiy). 3. Glavnyy inzhener Zhilishnogo upravleniya Ispolkoma Mossoveta (for Kozlov). 4. Glavnyy inzhener Frunzenskogo trests Upravleniya kapital'nogo remonta Ispolkoma Mossoveta (for Gelin). 5. Rukovoditel' Sektora ekspluatatsii zhilykh i kommunal'nykh zdaniy Akademii kommunal'nogo khozyaystva (for Polyakov). 6. Starshiy nauchnyy sotrudnik Akademii kommunal'nogo khozyaystva (for Kryuchkov). 7. Russia (1917- R.S.F.S.R.) Ministerstvo kommunal'nogo khozyaystva.  
(Dwellings)

IVANOV, I.T., kandidat tekhnicheskikh nauk; Polyakov, Ye.V., kandidat tekhnicheskikh nauk.

House moving without dismantling. Stroi.prom.32 no.11:22-24  
N #54. (MLRA 7:11)

1. Akademiya kommunal'nogo khozyaystva im.K.D. Pamfilova.  
(Moving of building, bridges, etc.)

IVANOV, I.T.; MONFRED, Yu. B ; PILYUGIN, A.I.; SERGETEV, D.D.;  
SYFCHUK, P.F.; IZRAILOVICH, N.Ye., inshener, redaktor;  
YEGOROVA, N.O., redaktor; TOKER, A.M., tekhnicheskly  
redaktor.

[Construction of dwellings and civil buildings in areas  
of underground coal mining] Konstruktsii zhilykh i grazh-  
danskikh zdaniy v raionakh s podzemnoi razrabotkoi uglia.  
Moskva, Gos.isd-vo lit-ry po stroit. i arkhitekture, 1955.  
68 p. (MLRA 9:1)  
(Building)

IVANOV, Ivan Tikhonovich, kandidat tekhnicheskikh nauk; NOVOCHADOV, A.G.,  
redaktor; PETROVSKAYA, Ye., tekhnicheskii redaktor

[Strengthening the foundations, substructures and walls of dwellings]  
Usilenie osnovanii, fundamentov i sten zhilykh zdani. Moskva, Izd-vo  
Ministerstva kommunal'nogo khoziaistva RSFSR, 1955. 159 p.  
(Building) (MIRA 9:3)

IVANOV, I.

IVANOV, I., kandidat tekhnicheskikh nauk

For a bold use of reinforced concrete elements in communal construction. Zhil.-kom.khoz.5 no.5:1-3 '55. (MLRA 8:11)

1. Direktor Akademii kommunal'nogo khozyaystva imeni K.D.Pamfilova (Precast concrete construction)

IVANOV, I., kandidat tekhnicheskikh nauk.

Some problems of municipal economy and city planning in  
England. Zhil.-kom.khoz. 5 no.7:26-29 '55. (MLRA 9:1)

(Great Britain--Municipal services)



IVANOV, I.T., kandidat tekhnicheskikh nauk.

Improving the technology of municipal economy. Gor.khoz.Mosk.  
30 no.11:4-7 N '56. (MLRA 10:3)

1. Direktor Akademii kommunal'nogo khozyaystva imeni K.D.Pamfilova.  
(Moscow--Municipal services)

IYANOV, Ivan Tikhonovich, kandidat tekhnicheskikh nauk; GUROV, S., redaktor;  
YEGCROVA, I., tekhnicheskii redaktor

[Types of precast foundation] Konstruktsii sbornykh fundamentov.  
[Moskva] Moskovskii rabochii, 1957. 55 p. (MIRA 10:4)  
(Foundations) (Precast concrete construction)

IVANOV, Ivan Tikhonovich, kand.tekhn.nauk; BOTOVA, Yu.P., red.; KONYASHINA,  
A.D., tekhn.red.

[Construction, repair, and maintenance of apartment houses]  
Konstruktsii, remont i sodержanie zhilykh zdaniy. Moskva, Izd-vo  
M-va kommun. khoz. RSFSR, 1957. 278 p. (MIRA 11:5)  
(Apartment houses)

SOSYANTS, V.G., dotsent, obshchiy red.; IVANOV, I.T., kand.tekhn.nauk, red.; KLOPATOV, K.K., inzh., red.; ZHUKOV, A.I., prof., doktor tekhn.nauk, red.; GULIAYEV, N.F., kand.tekhn.nauk, red.; DUBOV, Yu.B., inzh., red.; ANTONOV, I.K., kand.tekhn.nauk, red.; YEFREMOV, N.S., prof., doktor tekhn.nauk, red.; DYUSKIN, V.K., doktor tekhn.nauk, red.; VINOGRADOV, K.A., kand.sel'skokhoz.nauk, red.; BOTOVA, Yu.P., red. izd-va; SALAZKOV, N.P., tekhn.red.

[Materials of the Scientific and Technical Conference on Problems in Introducing Achievements of Science and Technology in Municipal Economy] Materialy Nauchno-tekhnicheskogo soveshchaniia po voprosam vnedreniia dostizhenii nauki i tekhniki v gorodskoe khoziaistvo. Moskva, Izd-vo kommun.khoz.RSFSR, No.6. [Roads and municipal electric transportation] Gorodskoi transport i dorigi. Pod obshchei red. V.G. Sosyantsa. 1959. 197 p. (MIRA 13:2)

1. Nauchno-tekhnicheskoye soveshchaniye po voprosam vnedreniya dostizheniy nauki i tekhniki v gorodskoye khozyaystvo. 2. Rukovoditel' sektora gorodskogo transporta Akademii kommunal'nogo khozyaystva (for Sosyants). (Local transit) (Road construction)

IVANOV, I.T., kand.tekhn.nauk

Introduce more widely mechanization and automatic control of  
municipal services. Gor.khoz.Mosk. 34 no.1:9-10 Ja '60.  
(MIRA 13:5)

1. Direktor Akademii kommunal'nogo khozyaystva imeni K.D.Panfilova.  
(Moscow--Municipal services) (Automatic control)

DUMASHOV, Yu.F., inzh., red.; IVANOV, I.T., kand. tekhn. nauk; MARCHENKO, V.T., inzh.; POLYAKOV, Ye.V., kand. tekhn. nauk, dotsent; KHIMUNIN, S.D., kand. tekhn. nauk; ZAMYSHLYEYEVA, I.M., red. izd-va; NAZAROVA, A.S., tekhn. red.

[Standards and norms for the maintenance of residential buildings]  
Pravila i normy tekhnicheskoi ekspluatatsii zhilishchnogo fonda.  
Moskva, 1961. 183 p. (MIRA 14:7)

1. Russia (1917- R.S.F.S.R.) Ministerstvo kommunal'nogo khozyaystva . 2. Glavnyy inzhener Upravleniya zhilishchnogo khozyaystva Ministerstva kommunal'nogo khozyaystva RSFSR (for Dumashov). 3. Direktor Akademii kommunal'nogo khozyaystva im. K.D.Pamfilova (for Ivanov). 4. Glavnyy inzhener Zhilishchnogo upravleniya ispolkoma Mossoveta (for Marchenko). 5. Moskovskiy inzhenerno-stroitel'nyy institut im. V.V.Kuybysheva (for Polyakov). 6. Zaveduyushchiy laboratoriyey kapital'nogo remonta zhilykh domov Leningradskogo nauchno-issledovatel'skogo instituta Akademii kommunal'nogo khozyaystva (for Khimunin)

(Dwellings—Maintenance and repair)

IVANOV, I.T., kand. tekhn. nauk; KHANIN, G.F., inzh.; DUMASHOV, Yu.F., inzh.; KOLODEY, A.P., inzh.; IVANOV, V.P., inzh.; VEKSLER, Z.Ya., KRYUKOV, A.A., inzh.; SEMENENKO, V.A., inzh.; VISHNEVETSKIY, I.M., inzh.; SHIREMEL', G.Kh., inzh.; MARCHENKO, V.T., inzh. spets. red.; SMIRNOVA, R.N., red. izd-va; NAZAROVA, A.S., tekhn. red.

[Technical specifications for conducting and inspecting general and special construction work in the capital repair of apartment houses] Tekhnicheskie uslovia na proizvodstvo i priemku obshchestvoitel'nykh i spetsial'nykh rabot pri kapital'nom remonte zhi-lykh domov. Moskva, 1960. 447 p. (MIRA 15:4)

1. Russia (1917- R.S.F.S.R.) Ministerstvo kommunal'nogo kho-zyaystva.

(Apartment houses--Maintenance and repair)

IVANOV, I.T., kand.tekhn.nauk; KHANIN, G.F., inzh.; DUMASHOV, Yu.F., inzh.; KOLODEY, A.P., inzh.; IVANOV, V.P., inzh.; VEKSLER, Z.Ya., inzh.; KRYUKOV, A.A., inzh.; SEMENENKO, V.A., inzh. VISHNEVETSKIY, I.M., inzh.; SHIREMEL', G.Kh., inzh.; SMIRNOVA, R.N., red. izd-va; LELYUKHIN, A.A., tekhn. red.

[Technical specifications for carrying out and inspecting general and special construction work during major repairs of residential buildings] Tekhnicheskie uslovia na proizvodstvo i priemku obshchestvoitel'nykh i spetsial'nykh rabot pri kapital'nom remonte zhilykh domov. Izd.2., bez izmeneni. Utverzhdeny prikazom Ministerstva kommunal'nogo khoziaistva RSFSR ot 26 aprelya 1960 g. No.118 i soglasovany s Gosudarstvennym komitetom Soveta Ministrov SSSR po delam stroitel'stva. Moskva, Izd-vo M-va kommun.khoz.RSFSR, 1962. 326 p. (MIRA 15:8)

1. Russia (1917- R.S.F.S.R.) Ministerstvo kommunal'nogo khozyaystva.

(Apartment houses--Maintenance and repair)



BEDA, N.I., inzh.; RYZHKOV, P.Ya., inzh.; GORYUCHKO, I.G., inzh.;  
MASHKOVA, A.K., inzh.; Primali uchastiye: LIPSHITS, S.I.;  
KOTOV, N.K.; KOSHCHEYEV, A.D.; CHUVICHKINA, N.K.; KOLPOVSKIY,  
N.M.; GOLOVKO, O.F.; LUDENSKIY, A.M.; SERBIN, I.V.; IVANOV, I.T.;  
ALEKSEYEVA, N.V.; MENDEL'SON, N.Ya.

Quality of pipe billets and pipes made of killed converter steel.  
Stal' 21 no.9:824-825 S '61. (MIRA 14:9)

1. Metallurgicheskiy zavod im. Petrovskogo i Truboprokatnyy  
zavod im. Lenina.

(Pipe, Steel)

IVANOV, I.T.

Let's introduce the achievements of science into the municipal economy. Gor. khoz. Mosk. 35 no.10:7-9 0 '61.

(MIRA 1627)

I. Direktor Akademii kommunal'nogo khozyaystva imeni K.D. Psmfilova.

(Moscow--Municipal services)

POLYAKOV, Ye.V., dots., kand. tekhn. nauk; BORODIN, I.V., prof.,  
doktor tekhn. nauk, retsenzent; RUFEL', N.A., prof.,  
retsenzent; KHIFUNIN, S.D., kand. tekhn. nauk,  
retsenzent; DUMASHOV, Yu.F., inzh., retsenzent; IVANOV,  
I.T., kand. tekhn. nauk, nauchn. red.; ISEYEVA, R.Kh., ped.

[Reconstruction and repair of apartment houses] Rekon-  
struktsiia i remont zhilykh zdani. Moskva, Stroiizdat,  
1964. 200 p. (MIRA 17:12)

IVANOV, Iv. T.

Metamorphized granite porphyry between the villages of Bulgarin and Shishmanovo, Kharmanli District. Spis Bulg geol druzh 25 no.3:229-238 '64.

1. Chemical and Technological Institute, Sofia. Submitted June 25, 1963.

IVANOV, Ivan Tikhonovich; BOCHAROVA, Yu.F., red.

[Technical maintenance of buildings] Tekhnicheskaiia  
ekspluatatsiia zdani. Moskva, Vysshiaia shkola, 1965.  
211 p. (MIRA 18:4)

IVANOV, I. V., Candidate of ~~Vet~~ Sci (diss) -- "The pathomorphology of spinal and extramural vegetative ganglia in disorders to metabolism in highly productive cows". Moscow, 1959. 16 pp (Moscow Vet Acad of the Min Agric USSR), 200 copies (KL, No 22, 1959, 119)

Country : BULGARIA  
Category : Cultivated Plants. Cereals. Leguminous Plants.  
Tropical Cereals. M

Abs Jour : RZhBiol., No 6, 1959, No 24815

Author : Ivanov, I. V.; Sharkov, T. K.  
Inst : Dobruja Agricultural Scientific Research Institute imeni V. Chervenkov.  
Title : Concerning Agricultural Engineering of the Karnobat Early-Maturing Brand of Wheat.  
Orig Pub : Sb. nauch. tr. Dobrudzh. selskostop. nauchno-izsled. In-T "V. Chervenkov" pri M-voto zemed., 1956, 3, 149-164  
Abstract : Data of the Scientific Research Agricultural Station of the town of Polyanovgrad. A number of demands for varieties suitable to environmental conditions is enumerated.

Card : 1/1

IVANOV, I. V.

Country : Bulgaria H  
 CATEGORY : CULTIVATED PLANTS, Grains, Leguminous Grains, Tropical Cereals.  
 RES. JOUR. : PZBiol., No. 1 1959, No. 1594  
 AUTHOR : Ivanov, Ivan  
 INST. : Ministry of Agriculture and Forestry  
 TITLE : Results of Intravarietal Crossings Between No. 14, Karnobarska Ranozreika and Karnobat 92 Wheat Varieties.  
 ORIG. PUB. : Nauchn. tr. M-va zemed. i gorite. Ser. rasteni- yev"stvo, 1958, 5, No. 1, 1-6  
 ABSTRACT : Data from 1951-1954 gotten at the experi- mental station at Polyakovgrad in a study of the intravarietal crossings in  $F_1$ ,  $F_2$ ,  $F_3$  and  $F_4$ . In  $F_1$  of the intravarietal cross, productivity was increased, in sub- sequent generations it was lowered. It is emphasized that this method requires addition- al and further study and cannot as yet be applied as an obligatory procedure by the

CARD: 1/2



STOLANOV, St.: STANOV, Iv.

Thrombocyte plate index in acute gonorrhoea. Dermatovener Sofia  
2 no.2:197-198 '69.

1. City Dermatovenerological Dispensary, Sofia (Chief Physician:  
St. Stolanov).

IVANOV, I.V., kand. vet. nauk

Histological changes in the skin following cattle onchocerciasis.  
Trudy VIGIS 11:59-61 '64. (MIRA 18:12)

L 14139-66 EWP(e)/EWT(m)/EWA(d)/EWP(t)/EWP(z)/EWP(b) JD/WH  
ACC NR: AP6000865 SOURCE CODE: UR/0181/65/007/012/3627/3630

AUTHORS: Ivanov, I. V.; Morozov, N. A.

56  
55

ORG: Moscow State University im. M. V. Lomonosov (Moskovskiy gosudarstvenny universitet)

TITLE: Nonlinear properties of ferroelectric ceramics in strong microwave fields

5,44

SOURCE: Fizika tverdogo tela, v. 7, no. 12, 1965, 3627-3630

TOPIC TAGS: ferroelectric crystal, dielectric constant, ceramic material, Curie point, paraelectricity/VK3

ABSTRACT: The authors report on experiments evidencing that at temperatures below the Curie point the dielectric constant of ferroelectric materials with perovskite structure (VK ceramic) depend on the instantaneous values of the electric microwave field. The purpose of the investigation was to check whether the linear properties, the existence of which was proved experimentally above the Curie point, persist below the Curie point, and to ascertain whether these proper-

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L 11139-66

ACC NR: AP6000865

ties are due to the presence of paraelectric grains intruded in the ferroelectric ceramic below the Curie point, or to a true nonlinearity of the ferroelectric crystal. To avoid difficulties encountered with experiments on bulk samples, the authors perform the experiments on ferroelectric films of thickness smaller than 100  $\mu$ , on which electrodes were fastened by a special method. The method for testing the nonlinear properties is claimed to be original and reduces to a measurement of the first Fourier-expansion coefficient of the time-varying capacitance modulated by a harmonic voltage at 1500 Mcs. A resonance chamber tuned to 3,000 Mcs was used to measure the nonlinearity coefficient. The procedures are briefly described. The tests disclosed that in the temperature interval from 10 to 50C type VK-3 ferroelectrics have a nonlinearity at 1500 Mcs, as evidenced by frequency doubling. The nonlinearity coefficient differs from zero both above and below the Curie point, and has a relatively weakly pronounced maximum in the paraelectric temperature region. Since the Curie point of VK-3 is 30C, the nonlinearity occurred in both the paraelectric and in the ferroelectric phases of this material. Tests of the nonlinearity at different frequencies demonstrated the presence

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L 14139-66

ACC NR: AP6000865

of slow relaxation effects and a dependence of the hysteresis on the frequency. The latter has not been satisfactorily explained. Authors thank T. N. Verbitskaya for supplying the film samples of ferroelectric ceramic. Orig. art. has: 4 figures.

SUB CODE: 20/ SUBM DATE: 18Mar65/ ORIG REF: 001/ OTH REF: 004  
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Card

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3/3

IVANOV, I.V.; MOROZOV, N.A.

Nonlinear properties of ferroceramics in strong ultrahigh  
frequency fields. Fiz. tver. tela 7 no. 12:3627-3630 D '65  
(MIRA 19:1)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

VRANSKI, V.K.; BUDUROVA, L.B.; IVANOV, Iv. Em.

A normal erythrogram. Svr. med. 16 no.12:743-747 '65.

1. Tsentralna biofizichna laboratoriya, Vissh meditsinski institut (rukovoditel - dotsent V.K. Vranski), Sofia.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44

**IVANOV, I. V.**

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PROCEDURES AND PROPERTIES INDEX

The stability of the properties of hydrogen peroxide in relation to the manner of storage. I. V. Ivanov and A. Dochikjan. *Soviet. Farm. 6, No. 6, 23-7 (1933); Chem. Zentr. 1936, I, 687.* - Of the catalytic factors affecting the stability of H<sub>2</sub>O<sub>2</sub> solns., the alkyl and the roughness of the glass or other surface are to be considered. Thus the 3% A. H. prepn. rapidly loses its strength if stored in ordinary glass vessels. In the expts. described the concn. was reduced in 4 mo. from 2.93 to 0.02% in clear glass and to 0.48% in brown glass. In the same period the concn. was reduced to only 2.71% in both the clear and the brown glass when the interior of the bottles was completely covered with paraffin. In such bottles the H<sub>2</sub>O<sub>2</sub> can be satisfactorily stored in daylight. M. G. Moser

COMMON ELEMENT  
OPEN  
MATERIALS INDEX

A 13-31A METALLURGICAL LITERATURE CLASSIFICATION

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44



IVANOV, I. V.

IVANOV, I. V.: "The impulse spark method of exciting oscillations in electromagnetic resonators". Moscow, 1955. Moscow Order of Lenin and Order of Labor Red Banner State U imeni M. V. Lomonosov. (Dissertation for the Degree of Candidate of PHYSICOMATHEMATICAL SCIENCES)

SO: Knizhnaya Letopis' No 51, 10 December 1955

24(3)

AUTHORS:

Ivanov, I. V., Petrov, V. M.

SOV/46-22-12-29/33

TITLE:

Method of Measurement of the Dielectric Constant and Loss Angle Tangent of Piezoelectrics Within Homogeneous Ultra-High Frequency Fields (Range 3000 Megacycles)  
(Metod izmereniya dielektricheskoy pronitsayemosti i tangensa ugla poter' segnetoelektrikov v odnorodnykh polyakh SVCh (diapazon 3000 MHz)

PERIODICAL:

Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, 1958, Vol 22, Nr 12, pp 1524-1526 (USSR)

ABSTRACT:

For the measurement of the dependence of  $\epsilon$  on the amplitude of the alternating field and the size of the constant field, these fields must be homogeneous throughout the entire sample volume. Difficulties arising in the formation of homogeneous fields may be overcome by using a coaxial measuring line with a condenser at the end of the load. Such a device has been described in reference 6.  $\epsilon$  and  $\text{tg}\delta$  are measured to determine the condenser resistance by means of a measuring line. Due to the need of a homogeneous ultra-high frequency field within the sample the following conditions are required for the dimensions of the latter:

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Method of Measurement of the Dielectric Constant and Loss Angle Tangent of Piezoelectrics Within Homogeneous Ultra-High Frequency Fields (Range 3000 Megacycles) SOV/48.22-12-29/33

$$d < \lambda/2\sqrt{\epsilon}, \quad r_1 \approx 0.45/k\sqrt{\epsilon}$$

where  $k = 2\pi/\lambda$ ,  $d$  and  $r_1$  the height and radius of the sample (Fig 1). In this case the initial resistance of the condenser adopts capacity character and the ultra-high frequency capacity can be represented with an accuracy up to 5% in the form of

$$C = \frac{C_0 + \beta C_\infty}{1 - \alpha}$$

On radius increase the ultra-high frequency capacity  $C$  is deviating more and more from the static capacity.

With  $r_1 \approx 0.85/k\sqrt{\epsilon}$   $C$  for  $\alpha = 3.5$  becomes infinite. With further increased  $r_1$  the initial resistance adopts inductive character. Considerable ultrahigh frequency loss of the piezoelectrics leads to intense unequal heating of the samples in strong fields. Therefore impulse generators with great damping must be used in the measurement. A measuring condenser

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Method of Measurement of the Dielectric Constant SOT/48-22-12-29/55  
and Loss Angle Tangent of Piezoelectrics Within Homogeneous Ultra-High  
Frequency Fields (Range 3000 Megacycles)

is designed in figure 3. By the method described reversible curves of  $\epsilon$  and  $\text{tg}\delta$  of the piezoelectrics can be plotted on ultra-high frequency. Both the constant and the alternating fields are homogeneous throughout the entire sample volume. Control measurements were carried out with BaTiO<sub>3</sub> and VK-1 samples. The results agree with those previously obtained for these substances. The authors express their gratitude to T. N. Verbitskaya for samples offered. There are 3 figures and 6 references, 3 of which are Soviet.

ASSOCIATION: Kafedra teorii kolebaniy Fizicheskogo fakul'teta Moskovskogo gos. universiteta imeni M. V. Lomonosova  
(Chair of Oscillation Theory of the Physics Faculty of the Moscow State University imeni M. V. Lomonosov)

Card 3/3

I V A N O V, I. V.

21(4) PHASE I BOOK EXPLOITATION SOV/2583

International Conference on the Peaceful Uses of Atomic Energy. 2nd, Geneva, 1958.

Doklady sovetskikh uchenykh; yadernyye reaktory i yadernaya energiya. (Reports of Soviet Scientists; Nuclear Reactors and Atomic Energy.) Moscow, Atomizdat, 1958. 707 p. (Series: Its: Nuclear Power) vol. 2 Errata slip inserted. 8,000 copies printed. Tracky, vol. 2

General Eds.: M.A. Dollezhals, Corresponding Member, USSR Academy of Sciences, A.K. Krashinsky, Doctor of Physical and Mathematical Sciences, A.I. Lopyrevskiy, Member, Ukrainian SSR Academy of Sciences, I.I. Serikov, Corresponding Member, USSR Academy of Sciences, and V.I. Babitskiy, Doctor of Physical and Mathematical Sciences; Ed.: A.P. Alyshayev; Tech. Ed.: Ye. I. Mazel.

PURPOSE: This book is intended for scientists and engineers engaged in reactor designing, as well as for professors and students of higher technical schools where reactor design is taught.

CONTENTS: This is the second volume of a six-volume collection on the peaceful use of atomic energy. The six volumes contain the reports presented by Soviet scientists at the Second International Conference on the Peaceful Uses of Atomic Energy, held from September 1 to 13, 1958 in Geneva. Volume 2 consists of three parts. The first is devoted to atomic power plants under construction in the Soviet Union; the second to experimental and research reactors, the experiments carried out on them, and the work to improve them; and the third, which is predominantly theoretical, to problems of nuclear reactor physics and construction engineering. Yu. I. Knyazkin is the science editor of this section. See SOV/2081 for titles of all volumes of the set. References appear at the end of the articles.

Dollemal, M. A., A. K. Krashinsky, M. A. Nikolayev, A. M. Orlovskiy, and V. I. Serikov. Experiments of Operating the First Atomic Power Plant in the USSR and the Plant's Work Under Boiling Conditions (Report No. 2183) 15

Dollezhals, M. A., A. K. Krashinsky, V. I. Alekshchenko, A. M. Orlovskiy, I. I. Lopyrevskiy, M. A. Vinitskiy, M. I. Zhurav, M. M. Akhmedov, V. M. Sharykov, Yu. I. Knyazkin, and N. I. Bolshakov. A Graphical-Engineering Reactor With High Pressure Steam Superheat. (Report No. 2139) 36

Makomedov, A. P., I. I. Artyukov, A. I. Brandau, A. I. Brandau, G. M. Gulyayev, B. Ya. Utesin, V. I. Isganov, and N. S. Blitokhin. The Atomic Icebreaker (Report No. 2140) 60

Sviridov, Yu. V. and V. G. Plogizh. Radiation Safety System of The Atomic Icebreaker (Report No. 2518) 87

Strokovskiy, S. A. Water-water Power Reactors (WWRs) in the USSR (Report No. 2184) 95

Strokovskiy, S. A., A. M. Gulyayev, V. V. Gonycharov, A. I. Kovalyev, and V. A. Serikov. Heat-Producing Elements for Water-water Reactors of Atomic Power Plants (Report No. 2156) 119

Yezhilin, G. N. and V. I. Subbotin. Cooling Water-water Reactors (Report No. 2184) 134

Yezhilin, G. N. and V. I. Subbotin. A Study of Turbidity Heat Transfer in Heat-producing Elements of Nuclear Reactors (Report No. 2479) 133

Yemorovskiy, M. M., V. I. Subbotin, and Z. A. Mahalov. High-speed Method of Measuring the Heat-Transfer Coefficient in the Pipe (Report No. 2475) 166

Kratelskiy, S. S., V. I. Subbotin, V. M. Borishchuk, and P. I. Kisilov. Heat Exchange During the Flow of Liquid Metal in the Stems (Report No. 2210) 176

Basabashvili, G. R. Mechanics of Nuclear Fuel in Fast Power Reactors (Report No. 2085) 189

Mal'kin, Z. K., A. A. Krasovskiy, Yu. R. Sigonov, and O. V. Shvartz. Thermal Neutron Density Distribution Along the Radius of Assembly of Rod-shaped Heat Producing Elements (Report No. 2034) 199

BENDRIKOV, G.A.; KHASNUSHKIN, P.Ye.; REYKHRUDEL', E.M.; POTEMKIN, V.V.;  
MUSTEL', Ye.R.; RZHEVKIN, K.S.; IVANOV, I.V.; KHARLAMOV, A.A.;  
TIKHONOV, Yu.V.; STRELKOVA, L.P.; KAPTSOV, L.N.; ORDANOVICH,  
A.Ye.; KHOKHLOV, R.V.; VORONIN, E.S.; BERESTOVSKIY, G.N.; KRASNO-  
PEVTSEV, Yu.V.; MINAKOVA, I.I.; YASTREBTSEVA, T.N.; SEMENOV, A.A.;  
VINOGRADOVA, M.B.; KARPEYEV, G.A.; DRACHEV, L.A.; TROPIMOVA, N.B.;  
SIZOV, V.P.; RZHEVKIN, S.N.; VELIZHANINA, K.A.; NESTEROV, V.S.;  
SPIVAK, G.V., red.; NOSYREVA, I.A., red.; GEORGIYEVA, G.I., tekhn.  
red.

[Special physics practicum] Spetsial'nyi fizicheskii praktikum.  
Moskva, Izd-vo Mosk.univ. Vol.1. [Radio physics and electronics]  
Radiofizika i elektronika. Sost. pod red. G.V.Spivaka. 1960.  
600 p.

(MIRA 13:6)

1. Professorsko-prepodavatel'skiy kollektiv fizicheskogo fakul'teta  
Moskovskogo universiteta im. M.V.Lomonosova (for all except Spivak,  
Nosyreva, Georgiyeva).

(Radio)

(Electronics)

ANDREYEVA, I.M.; IVANOV, I.V.

Use of semiconductor diodes for electric frequency control in  
superhigh-frequency cavity resonators. Vest.Mosk.un. Ser.3:  
Fiz.,astron. 17 no.6:3-6 N-D '62. (MIRA 15:12)

1. Kafedra teorii kolebanij Moskovskogo universiteta.  
(Electric resonators) (Diodes)

40944

S/109/62/007/007/012/018  
D266/D308

9.2572

AUTHORS: Kao Pao-hsin, Ivanov, I. V. and Karasev, M. D.

TITLE: Experimental investigation of a microwave three-circuit parametric converter

PERIODICAL: Radiotekhnika i elektronika, v. 7, no. 7, 1962, 1152-1156

TEXT: The paper is concerned with a parametric converter which can produce both the sum and difference frequencies. The converter circuit is described in detail. The signal circuit is of the coaxial type which is protected by a choke against the field of other frequencies. In the experiments the signal frequency is 930 Mc/s and the pumping frequency 8330 Mc/s. Conversion gain increases with increasing pumping power and with increasing coupling to the difference frequency circuit. Noise figure has a minimum at a certain pumping power and decreases if the diode is cooled. Bandwidth decreases with increasing gain. It is also found, in accordance with R. D. Weglein (Trans. I.R.E. MTT-8, 1960, 5), that the

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Experimental investigation of ...

S/109/62/007/007/012/018  
D266/D308

reverse current of the diode significantly increases the noise. The main advantages of this converter are that it is insensitive to load variation, has a relatively large gain, and the circuits can be independently tuned. There are 7 figures. ix

ASSOCIATION: Fizicheskiy fakultet Moskovskogo gosudarstvennogo universiteta im. M. V. Lomonosova (Department of Physics, Moscow State University im. M. V. Lomonosov)

SUBMITTED: November 10, 1961

Card 2/2

MARINOV, IU., inzh.; IVANOV, Iv., inzh.; NEDIALKOV, L., inzh.

Semiconductor frequency modulator. Radio i televizia 11  
no.6:191 '62.

45166

S/188/63/000/001/014/014  
B184/B102

94320

AUTHORS: Buzin, I. M., Ivanov, I. V.

TITLE: Frequency division using tunnel diodes

PERIODICAL: Moscow. Universitet. Vestnik. Seriya III. Fizika,  
astronomiya, no. 1, 1963, 92 - 93

TEXT: Second kind resonance was achieved in an oscillatory circuit using a germanium tunnel diode whose end-point frequency had the order of magnitude 10 Mc/sec. In the decreasing section of the diode characteristic the operating point of the diode was close to the current minimum. The region wherein resonance is detuned and a stable frequency division was observed broadens with increasing amplitude, reaches a maximum and then decreases. The frequency division shows a coupling-hysteresis effect. There are 2 figures. X

ASSOCIATION: Kafedra teorii kolebaniy (Department of Oscillation Theory)

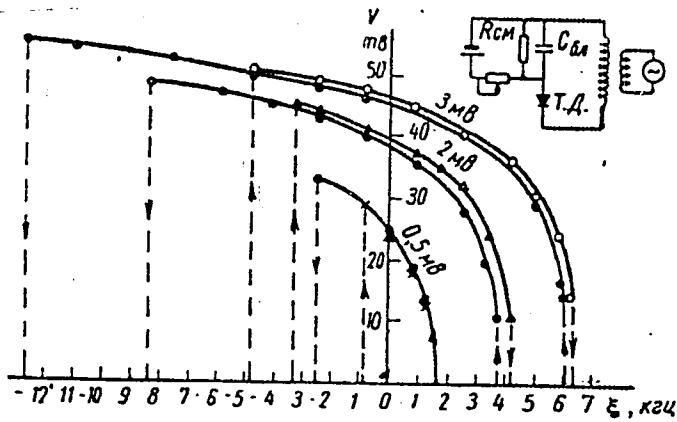
SUBMITTED: July 3, 1962

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Frequency division using tunnel diodes

S/188/63/000/001/014/014  
B184/B102

Fig. 1



Card 2/2

VYAL'TSEV, A.O.; IVANOV, I.V.; KARASEV, M.D.; POTEKIN, V.V.

Measurement of the noise of frequency multipliers using a  
transistor diode. Radiotekh. i elektron. 8 no.2:349-351 F '63.

(MIRA 16:2)

1. Fizicheskiy fakul'tet Moskovskogo gosudarstvennogo universiteta,  
kafedra teorii kolebaniy.

(Frequency multipliers--Noise)

(Radio measurements)

L 20315-65

EXT(1)/EXT(2)/EXT(3)/EXT(4)/EXT(5)

EXT(6)/EXT(7)

operating in the UHF range. In order to increase the accuracy of division, this  
tunnel diode is connected to a two-frequency coaxial resonator as a reference oscillator.

IVANOV, I.V.

Differential diagnosis of adamantinomas. Trudy 1-go MMI  
44:61-62 '65.

Cysts of the jaws according to materials from the hospital of  
a surgical stomatology department. Ibid.:72-76

(MIRA 18:12)

1. Iz kafedry khirurgicheskoy stomatologii (zav.- dotsent  
M.M. Slutskaya) Stavropol'skogo gosudarstvennogo meditsinskogo  
instituta (rektor - dotsent V.Yu. Pervushin).



ACC NR: AP6036961

(A, N)

SOURCE CODE: UR/0181/66/008/011/3218/3225

AUTHOR: Ivanov, I. V.; Morozov, N. A.

ORG: Moscow State University im. M. V. Lomonosov (Moskovskiy gosudarstvennyy universitet)

TITLE: Method of studying the dynamic nonlinearity of ferroelectrics in superhigh frequency fields

SOURCE: Fizika tverdogo tela, v. 8, no. 11, 1966, 3218-3225

TOPIC TAGS: superhigh frequency, ferroelectric material

ABSTRACT: The paper describes an experimental method of studying the nonlinear properties of ferroelectric materials in SHF fields which makes it possible to determine the first coefficients of a series expansion of the permittivity in powers of the SHF electric field

$$\epsilon(E, E_0) = \epsilon(E_0)(1 + \alpha_1 E + \alpha_2 E^2 + \dots), \quad (1)$$

where  $\epsilon(E_0)$  is the permittivity of the material studied at a given strength of the constant bias electric field and  $\alpha_1, \alpha_2, \dots$  are nonlinearity coefficients, which are also functions of the bias field. The effectiveness of multiplying the frequency of the SHF signal by a factor of two or three and the capacity of the sample studied were measured. It was found that if a film configuration is given to the ferroelectric

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ACC NR: AP6036961

sample, the measurements can be made under continuous (not pulsed) conditions. The proposed method was used to study the nonlinear dynamic properties of a series of ferroelectrics, and the results obtained will be published separately. Orig. art. has: 4 figures and 10 formulas.

SUB CODE: 20/ SUBM DATE: 01Apr66/ ORIG REF: 005/ OTH REF: 005

Card 2/2

IVANOV, Iv.; SOROKIN, P.

Comparative studies on the amino acid composition in *Listeria monocytogenes* and *Krysipelothrix insidiosa*. Izv Vet inst parazit parazit 8:41-44 \*64

L 14115-66 EWT(1) GW  
ACC-NR: AT6002846

SOURCE CODE: UR/2754/65/000/004/0125/0148

AUTHOR: Ivanov, I. V.; Krasil'nikov, V. N.

ORG: none

TITLE: Reflection of flexural gravity waves from the point of junction between ice fields

SOURCE: Leningrad. Universitet. Problemy difraktsii i rasprostraneniya voln, no. 4, 1965. Difraktsiya i izlucheniye voln (Wave diffraction and radiation), no. 4, 125-148

TOPIC TAGS: wave mechanics, sea ice

ABSTRACT: The authors analyze effects associated with wave reflection from the junction of two semi-infinite ice flows. The two-dimensional problem is considered, i. e. normal wave incidence and rectilinear contact. It is assumed that an incompressible liquid of density  $\rho$  fills the half space  $y < 0$  and is located in a uniform gravitational field with an acceleration  $g_0$  directed toward negative  $y$ . The surface of the liquid is covered by two semi-infinite plates which make contact at  $x=0$ ,  $y=0$ . Small nonvortical motions of the liquid are considered (surface waves with an

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ACC NR: AT6002846

amplitude which is small in comparison with wavelength and plate thickness). The kinematic and dynamic boundary conditions for the surface of the liquid are given taking account of contact with the plate. The problem is solved and the behavior of the solution is analyzed at the origin of the coordinate system and at infinity. It is found that the greatest reflection of surface waves from a juncture between ice fields takes place in the frequency range where gravitational factors are insignificant and oscillations in the ice cover are purely flexural. There is a region of gravity waves at lower frequencies in which the coefficient of reflection approaches zero. A specific example is given for reflection of a wave with a frequency of 10 cps propagating along an iceberg 1 m thick from the line of juncture with an ice field of another thickness. The deviation of experimental data from the theoretical formulas is explained by nonhomogeneous surface waves in the juncture region. These waves amplify the reflective properties of the juncture. Orig. art. has 9 figures, 88 formulas.

SUB CODE: 20,08/    SUBM DATE: 00/    ORIG REF: 006/    OTH REF: 002

13  
Card 2/2

IVANOV, I. V. (ENGR)

IVANOV, I. V. (ENGR) -- "INVESTIGATION OF THE EFFECT OF TIRE DESIGNS ON ITS ROAD TRACTION AND SIDE PLAY." SUB 31 OCT 52, MOSCOW AUTOMATIVE MECHANICS INST (DISSERTATION FOR THE DEGREE OF CANDIDATE IN TECHNICAL SCIENCES)

SU: VECHERNAYA MOSKVA, JANUARY-DECEMBER 1952

IVANOV, I. V.

"Investigation of the Lateral Deformation of an Elastic Tire"  
Nauch. Tr. Mosk. Avtomekh. In-ta, No 1, 1954, 106-111

The author describes an instrument for recording the distortion of the central line of the tread of a pneumatic tire during rolling of the wheel at an angle to the velocity vector. He gives results of an experiment using a tire of 5.00-16 inch (12-7-40.6 cm) size. He notes that the transverse displacement of the central line of the tread is not limited by the zone of contact, but is distributed around the whole perimeter. The ratio of minimum transverse displacement to maximum ranges from 0.18 to 0.22. (RZhMekh, No 7, 1955)

SO: Sum-No 787, 12 Jan 56

IVANOV, I.V.

ANDREYEV, P.S., inzhener; ZARUBIN, I.N., shofer; IVANOV, I.V., shofer;  
TITOV, Ya.I., laureat Stalinskoy premii; STEPANOVA, I.Ya., inzhener,  
retsenzent; LEVIN, D.M., inzhener, redaktor; MATVEYEVA, Ye.N.,  
tekhnicheskii redaktor.

[Practice in operating bus ZIS-155] Opyt ekspluatatsii avtobusa ZIS-155,  
Moskva, Gos. nauchno-tekhn. izd-vo Mashinostroitel'noi lit-ry, 1953.  
133 p. (MIRA 8:4)

(Motorbuses)



IVANOV, Igor' Vladimirovich, shofer 2-go avtobusnogo parka g. Moskvy;  
~~SHILOVTSEVA~~, L.M., redaktor; MAL'KOVA, I.V., tekhnicheskij redak-  
tor

[More than 600,000 kilometers of travel without major repairs] Za  
600 tysyach kilometrov probega bez kapital'nogo remonta. Moskva,  
Nauchno-tekhn. izd-vo avtotransportnoi lit-ry, 1954. 26 p.  
(Motorbuses) (MLRA 8:7)

KOZLOVSKIY, B.V., inzh.; TOPALLER, A.D., inzh.; IVANOV, I.V., inzh.

Modernization of the continuous production line for machining  
the axle boxes of diesel locomotives. Mashinostroenie no.4:  
47-49 J1 Ag '64. (MIRA 17:10)

IVANOV, Iv.

Sterility in guinea pigs induced by chorionic gonadotropins.  
(Preliminary report). Akush. ginek. (Sofia) 4 no.2:96-98 '65.

1. VMI, Sofia, Katedra po akusherstvo i ginekologija (rukovoditel:  
prof. Il. Shturksiev). Submitted March 1964.

IVANOV, Iv.; GIUROVSKI, St.; IVANOVA, R.; MIRKOV, K.; KATZULOV, At.

The colpopuncture method in the diagnosis and treatment of adnexal inflammatory diseases. Akush. ginek. (Sofia) 4 no.2: 141-143 '65.

1. VMI, Sofia, Katedra po akusherstvo i ginekologija (rukovoditel: prof. Il. Shturkalev).

IVANOV, Iv.

Termination of pregnancy following 4 attempts to its interruption  
and 1 laparotomy. Akush. ginek. (Sofia) 2 no.3:227-228 '65.

1. Vissh meditsinski institut, Sofia, Katedra po akusherstvo i  
ginekologiya (rukov.: prof. Il. Shturkalev).

I 550-66 INT(1)/ENP(9)/EPA(9)-2/EWA(m)/ENP(1)/EPA(w)-2/ENP(1)/ENP(b)/EWA(h)  
ACC NR: AP 5028135 IJP(c) JD/GG/WH SOURCE CODE: UR/0043/65/021/011/2116/2120

AUTHOR: Ivanov, I. V. <sup>55</sup> <sup>44</sup>

ORIG: Vibration Physics Section, Physics Department, Moscow State University in. <sup>55</sup> <sup>44</sup>  
M.V. Lomonosov (Kafedra fiziki kolebaniy fizicheskogo fakul'teta Moskovskogo gosudarstvennogo universiteta)

TITLE: On the use of ferroelectric ceramic films in nonlinear microwave systems  
Report, Fourth All-Union Conference on Ferro-electricity held at Rostov-on-the Don  
12-16 September 1964 <sup>21, 44, 55</sup> <sup>44</sup>

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 29, no. 11, 1965, 2116-2120

TOPIC TAGS: ferroelectric material, ceramic material, ceramic film, nonlinear effect, microwave component, ultrahigh frequency, traveling wave amplifier, phase shifter <sup>44</sup> <sup>25</sup>

ABSTRACT: It is suggested that thin films (less than 100 μ thick) of ferroelectric ceramics with the oxygen octahedron structure be employed at temperatures somewhat above the Curie point as nonlinear elements in microwave systems. These materials retain their nonlinear properties in the paraelectric state where the losses are low and their use in the form of thin films makes it possible to cool them sufficiently to permit continuous operation in spite of their low heat conductivities. A Varikon (VK-7) has been developed for this purpose, which has an unbiased dielectric constant maximum at about - 32°C and considerable variation of dielectric constant with bias at

№ 7830-66

ACC NR: AP 5028135

temperatures up to  $-10^{\circ}\text{C}$  and higher. The second Fourier coefficient of the  $1.5 \times 10^9$  cycle/sec time-varying capacity of a capacitor whose dielectric was a  $70 \mu$  film of VK-3 was found to have a maximum of about 6% at  $34^{\circ}\text{C}$ ; the maximum Q of this capacitor at  $5 \times 10^8$  cycle/sec was 1.3 and occurred at about the same temperature in a 7 kV/cm bias field. These are the first measurements of which the author is aware that confirm the nonlinear properties of ferroelectric ceramics at ultrahigh frequencies. Ferroelectric films can be employed as nonlinear distributed as well as lumped impedances. A stationary shock wave could be formed in a VK-7 film at  $-10^{\circ}\text{C}$  1.7 cm from the excitation point with a  $10^{10}$  cycle/sec 0.3 kV/cm exciting field and a 10 kV/cm bias; if the surge impedance of the film is 1 ohm, the power required to excite the shock wave would be of the order of 5 W. A traveling wave amplifier with a gain of 0.55 db/cm could be realized with a dielectric constant modulation of 0.75%, requiring a pumping power of the order of 1 W; the heat evolution would be 0.3 W/cm and cooling would present no difficulties. Ceramic film phase shifters would have the advantage over ferrite phase shifters of requiring much less energetic control fields and accordingly affording much more rapid shifting. A number of other possible uses of nonlinear ceramic films in microwave technology are mentioned. The author thanks T.N. Verbitskaya for providing a number of ferroelectric ceramic films; N.A. Morozov participated in the development of the techniques for preparing and investigating the UHF ceramic film capacitors. Orig. art. has: 2 formulas and 4 figures.

SUB CODE: SS, EM, EC

SUBM DATE: 00/

ORIG. REF: 000

OTH REF: 007

Card 2/2

MINHAILOVSKI, Il.; IVANOV, Iv.

A case of uterine chorionepithelioma. Akush. ginek. (Sofia)  
4 no.1:84-86 '65.

1. VMI, Sofia, Katedra po akusherstvo i ginekologija (Rukovoditel: prof. Il. Shturkalev).



IVANOV, Iv.

First Conference on Methods and Equipment for Studying Physical and  
Mechanical Properties of Building Soils and Rocks; March 30-April 1st,  
1964, Sofia. Spisanié BAN 9 no.3:135-142 '64.

DOROSIEV, B., arkh.; IVANOV, Iv., inzh.

New stage in the building of textile enterprises in Bulgaria.  
Tekstilna prom 13 no. 4:10-12 '64.

1. Head, Section of Large-Scale Building (for Dorosiev).
2. Planning Unit in the Ministry of Industry (for Ivanov).

IVANOV, Iv.; MIREKOV, K.; VASILEV, Z.; BOTEVA, L.

Treatment of bartholinitis with Albothyl concentrate. Akush.  
ginek. (Sofia) 3 no.6:84-86 '64.

IVANOV, IV. P.

Methods of determining the shear strength of clays with a view  
to their stability in open-pit mining. Trudove vurkhu inzh geol  
khidro1 3:223-254 '64.

DARABANSHEHIKOV, A.V., kand.podagog. nauk, podpolkovnik; IVANOV, I.Ya.,  
kapitan 2-go ranga

Train high responsibility in officers. Mor. sbor. 49  
no.11:8-13 N '65. (MIRA 18:11)

IVANOV, Ivan Yevtikhiyevich; DEREVETS, S.K., red.; STARODUB, T.O.,  
tekhn. red.

[Corn as a material for industrial enterprises] Kukuruda -  
syrovyna promyslovykh pidpriemstv. Kyiv, Derzhtekhvydav  
URSR, 1961. 37 p. (MIRA 16:1)  
(Ukraine--Corn (Maize))

IVANOV, I.Ye.

Mechanized continuous production line for glazed corn flakes.  
Kons. 1 sv. prom. 17 no.8:9-10 Ag '62. (MIRA 17:1)

1. Dnepropetrovskiy zavod pishchevykh kontsentratorov.

IVANOV, I.Ye.

Mechanized continuous production line for the reception of  
juices. Kons.i ov.prom. 17 no.10:5-6 O '62. (MIRA 15:9)

1. Dnepropetrovskiy zavod pishchevykh kontsentratorov.  
(Dnepropetrovsk--Canning industry)  
(Assembly-line methods)



IVANOV, I.Ye.

Experience in the processing of corn for food products. Khar.  
prom. no.1:47-48 Ja-Mr '63. (MIRA 16:4)

1. Dnepropetrovskiy zavod pishchevykh kontsentrátov.  
(Corn products)

IVANOV, I.Ye.; SHESTAKOV, A.P.

Experience of the Dnepropetrovsk plant of food concentrates  
in equipment maintenance. Kons.i ov.prom. 18 no.2:19-20  
F '63. (MIRA 16:2)

1. Dnepropetrovskiy zavod pishchevykh kontsentratorov.  
(Industrial equipment—Maintenance and repair)  
(Dnepropetrovsk—Corn products)

IVANOV, I.Ye.

Humanism in the pharmacist's profession. Apt. delo 12 no.6:  
8-11 N-D '63. (MIRA 17:2)

1. Khar'kovskiy farmatsevticheskiy institut.

IVANOV, I.Ye.

Honor and dignity of the Soviet pharmacist. Apt.delo 14 no.2:  
13-16 Mr-Ap '65. (MIRA 19:1)

1. Khar'kovskiy farmatsevticheskiy institut.

VLASOV, O.P.; IVANOV, I.Yu.

History of pharmaceutical education in the Ukraine. Farmatsev.  
zhur. 13 no.2:68-72 '63.

(MIRA 17:10)

1. Kafedra marksizma-leninizma Khar'kovskogo meditsinskogo i farmatsev-  
ticheskogo instituta.

IVANOV, I. Z.

Improving working conditions of automobile workers. Mashinostroitel'  
no.10:8-9 '60. (MIRA 13:10)

1. Starshiy inzhener po tekhnike bezopasnosti Nauchno-issledova-  
tel'skego instituta tekhnologii avtomobil'noy promyshlennosti.  
(Automobile industry--Hygienic aspects)

IVANOV, IU. V.

Conveyers of the Svit Works in Czechoslovakia. Kozhi  
Sofia 5 no. 1: 8-10 '64.

IVANOV, Iv. B., inzh.

The gradient value of geographical coordinates in the projection plane. Izv geod BAN no.3:105-110 '62.



IVANOV, Iv.M.

Peculiarities of the rare-metal mineralization in the pegmatites of Smilovene, Koprivshitsa region. Izv Geol inst BAN 12:223-236 '63.

ALEKSIEV, El; IVANOV, Iv.

Absolute geologic age of the Smilovene pegmatites near  
Koprivshtitsa. Izv Geol Inst BAN 11: 27-31 '62.

IVANOV, Iv.; DRAGANOV, M.; PEICHEV, B.

Seroprophylaxis of salmonellosis in sheep and lambs. Izv  
Vet inst zaraz parazit 7 161-165 '63.

IGNATOK, A.I., red.; LABUTIN, V.P., red.; IVANOV, I.Z., strashnyy inzh. po tekhnike bezopasnosti, red.; GANUSHKINA, Ye.V., kand. tekhn. nauk, red.; PLAKHIN, A.S., kand. med. nauk, starshyy nauchnyy sotr., red.; SEMYGOVA, K.N., red.; FESEL', M.I., starshyy tekhnolog, red.; ALEKSEYEV, A.I., red.; DOBRITSYNA, R.I., tekhn. red.

[Safety and sanitation regulations for electroplating shops] Pravila tekhniki bezopasnosti i proizvodstvennoi sanitarii pri proizvodstve metallopokrytii. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1961. 30 p. (MIRA 14:8)

1. Profsoyuz rabochikh mashinostroyeniya SSSR.
  2. Glavnyy tekhnicheskyy inspektor Tsentral'nogo komiteta profsoyuza rabochikh mashinostroyeniya SSSR (for Ignatok).
  3. Nachal'nik laboratorii metallopokrytiy Nauchno-issledovatel'skogo instituta tekhnologii avtomobil'noy promyshlennosti (for Labutin).
  4. Nauchno-issledovatel'skiy institut tekhnologii avtomobil'noy promyshlennosti (for Ivanov).
  5. Nachal'nik laboratorii metallopokrytiy Nauchno-issledovatel'skogo instituta tekhnologii traktornogo i sel'skokhozyaystvennogo mashinostroyeniya (for Ganushkina).
  6. Moskovskiy nauchno-issledovatel'skiy institut okhrany truda Vsesoyuznogo tsentral'nogo soveta profsoyuzov (for Plakhin).
  7. Moskovskiy zavod malolitrazhnykh avtomobiley (for Fesel').
  8. Glavnyy konstruktor Gosudarstvennogo instituta po proektirovaniyu zavodov avtomobil'noy promyshlennosti (for Alekseyev).
- (Electroplating--Safety measures) (Factory sanitation)

TYUL'PANOV, A.I., inzhener; IVANOV, K., redaktor; TRUKHANOVA, A.,  
tekhnikheskiy redaktor.

[Aid in the construction of rural hydroelectric power stations]  
V pomoshch' stroitel'stvu sel'skikh gidroelektrostantsii. No.3.  
[Some special features in the production of hydraulic works in  
various engineering and geological conditions] Nekotorye osoben-  
nosti proizvodstva gidrotekhnicheskikh rabot v razlichnykh in-  
zhenerno-geologicheskikh usloviakh. Minsk, Gos. izd-vo BSSR,  
Red. nauchno-tekhn. lit-ry, 1954. 139 p. [Microfilm] (MLRA 8:2)  
(Hydroelectric power stations)

IVANOV, K.

"Hydrochemical classification of the rivers in Bulgaria."

KHIDROLOGIJA I METEOROLOGIJA, Sofia, Bulgaria, No. 3, 1959.

Monthly List of East European Accessions Index (EEAI), The Library of Congress, Volume 8, No. 8, August 1959.

Unclassified

IVANOV, Kalcho

Chemical erosion of the rivers in Bulgaria. Khidro i meteorolog  
no.3:27-35 '60. (EEAI 10:1)  
(Bulgaria--Erosion) (Bulgaria--Rivers)

IVANOV, Kalcho

Hydrochemical characteristics of the rivers in the water-collecting  
basin of the Ogosta River. Khidro i meteorolog no.6:14-25 '60.  
(EEAI 10:6)

(Bulgaria--Water)



IVANOV, Kalcho

Research on the temperature of the Pirin Mountain lakes during the  
summer season. Khidro i meteorolog no.2:36-42 '61.  
(EEAI 10:9)

(Lakes)

IVANOV, Kalcho

Density of the river network in the basin of northern Bulgaria.  
Khidro i meteorolog no.6:40-47 '61.

IVANOV, Kalcho

Morphometric characteristics of the Rila Mountains lakes. Khidro  
i meteorolog no.3:30-35 '62.

IVANOV, Kalcho

Chemical erosion of the rivers of Bulgaria. Trud Inst khidro  
meteor no.12:77-95 '62.