

AKHALAYA, M.G.; LUKAVA, A.F.; ROGONYAN, A.A.; SMYR, Z.E.; ANTELAVA, G.K.

Combined treatment of bone fractures of the extremities with plaster and adhesive cloth bandages. Sbor. trud. Med. nauch. ob-vo Abkh. 2:243-246 '59. (MIRA 14:10)

1. Iz otdeleniya travmatologii i vosstanovitel'noy khirurgii Respublikan-skoy bol'nitsy imeni A.A.Ostroumova Ministerstva zdravookhraneniya Abkhazskoy ASSR (zav. otdeleniyem - laureat Stalinskoy premii M.G. Akhalaya, glavnyy vrach G.N.Nadareyshvili).  
(FRACTURES) (BANDAGES AND BANDAGING)  
(PLASTER CASTS, SURGICAL)

AKHALAYA, Vladimir Razhdenovich

[Reducing the cost of electric power in the Georgian electric power system] Voprosy snizhenia sebestoimosti elektroenergii v gruzinskoj energosisteme. Tbilisi, Izd-vo AN Gruz.SSR, 1963. 99 p. [in Georgian] (MIRA 17:4)

USSR/Farm Animals - Silkworms.

Q-6

Abs Jour : Ref Zhur - Biol., No 10, 1956, 83477

Author : ~~Alhalyan, Ya.~~

Inst : University of Tbilisi.

Title : Effects of Rhythmic Temperature Changes in Incubators upon Growth, Development, and Productivity of Silkworms.

Orig Pub : Tr. Tbilissk. in-ta, 1956, 60, 213-224.

Abstract : As silkworm eggs taken from three species, namely, the Japanese bivoltine No 110, Oro and Tbil NIISH [Tbilisi Scientific Research Institute for the Raising of Silkworms], were incubated by being exposed to daily temperature fluctuations (15° [C] during 8 night hours, 27° [C] during 8 day hours, and 21° [C] during the remaining 3 hours), the percentage of developed eggs increased by about 5 percent and the time necessary for eggs to

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AKHALBEDASHVILI, A.M.; SIKHARULIDZE, D.I.

Some results of the operation of a long-period seismograph at  
Tbilisi. Soob. AN Gruz. SSR 36 no.1:55-60 0 '64.

(MIRA 18:3)

1. Institut geofiziki AN Gruzinskoy SSR, Tbilisi. Submitted  
February 28, 1964.

SIKHARULIDZE, D.I.; AKHABEDASHVILI, A.M.

Long-period Rayleigh waves in the earth's mantle. Soob. AN  
Gruz. SSR 38 no.2:289-294 My '65. (MIRA 18:9)

1. Institut geofiziki AN GruzSSR, Tbilisi. Submitted October  
15, 1964.

TSKHAKAYA, A.D.; LEBEDEV, T.M.; AKHABEDASHVILI, A.M.

The Madatapa earthquake of December 1959. Trudy Inst. geofiz.  
AN Gruz. SSR 21:77-84 '63. (MIRA 18:12)

TULUYEVSKIY, Yu.N.; DOBROKHOTOV, A.A.; AKHAMANAYEV, S.I.; CHISTOVA, E.P.

Combustion control in open-hearth furnaces by the oxygen content.  
Izv.vys. ucheb. zav.; Chern. met. no.3:184-191 '61. (MIRA 14:3)

1. Shelyabinskiy nauchno-issledovatel'skiy institut metalurgii.  
(Open-hearth furnaces--Combustion)  
(Oxygen--Industrial applications)



24,7900

S/058/61/000/010/028/100  
A001/A101

AUTHORS: Akhamov, S.A., Konstantinov, Yu.S., Volkov, V.A.

TITLE: On sensitivity of autodyne circuits for observation of nuclear magnetic resonance

PERIODICAL: Referativnyy zhurnal. Fizika, no. 10, 1961, 154-155, abstract 10V283 (V sb. "Paramagnitn. rezonans", Kazan', Kazansk. un-t, 1960, 145).

TEXT: The sensitivity of autodyne circuits for observations of nuclear magnetic resonance was investigated experimentally and theoretically. It is established that main noise sources in these circuits are amplitude fluctuations of autodyne and fluctuations in the gain factor of the high-frequency amplifier. Spectra of amplitude fluctuations of oscillations were measured in several autodynes in the frequency range from 100 cps to 5 kc by the demodulation method. The measurements were conducted for different modes of operation of autodynes, including the mode of synchronization by an external harmonic force. It was discovered that the main source of fluctuations are fluctuations of the tube transconductance. A calibration device analogous to Pound's device was employed for measuring the signal-to-noise ratio, parameters of autodyne as functions of their mode

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On sensitivity of autodyne circuits ...

8/058/61/000/010/028/100  
A001/A101

of operation. Spectral measurements of signal-to-noise ratios were made for different operation modes of autodynes. It is shown that at transition to the self-excitation threshold, the signal-to-noise ratio grows. Quantitative data are presented which characterize the circuits investigated. An attempt is made to formulate the quantitative criterion for estimating sensitivity of autodyne radio-spectroscopes for observations of nuclear magnetic resonance. ✓

[Abstracter's note: Complete translation]

Card 2/2

AKHANAZAROVA, V.D.

Pathological changes in adrenal glands in diphtherial intoxication during drug induced sleep. Trudy Inst. norm. i pat. fiziol. AMN SSSR no.1:82-90 '58 (MIRA 16:12)

Changes in the medullar substance of the adrenal glands in diphtherial intoxication. Ibid. : 91-99

1. Iz laboratorii patomorfologii (zav. - chlen- korrespondent AMN SSSR prof. A.A.Solov'yev) Instituta normal'noy i patologicheskoy fiziologii AMN SSSR.

AKHANCHENOK, Aleksandr Grigor'evich; TEL'NOV, N.V., red. izd-va;  
NAZAROVA, A.S., tekhn. red.

[Volunteers of Latvia] Dobrovo'tsy Latvii. Moskva, Izd-vo  
M-va kommun.khoz. RSFSR, 1960. 25 p. (MIRA 15:3)  
(Latvia--Fire departments)

GOLUBEV, S.G.; AKHANCHENOK, A.I., redaktor; PETROVSKAYA, Ye.S.,  
tekhnicheskiy redaktor

[Manual for members of fire brigades] Posobie dlia riadovogo  
sostava posharnoi okhrany. Izd.3-e, perer. Moskva, Ministerstva  
kommunal'nogo khoziaistva RSFSR, 1948. 194 p. [Microfilm]  
(Firemen's manuals) (MLRA 8:9)

AKHANCHENOK, A.G.; FILATOV, I.G., redaktor; IOFFE, M.L., redaktor;  
~~AKHANCHENOK, A.G.~~ PETROVSKAYA, Y., tekhnicheskiy redaktor

[Principles of the methodology of teaching tactical fire prevention]  
Osnovy metodiki pozharo-takticheskoi podgotovki. Moskva, Izd-vo  
Ministerstva kommunal'nogo khoziaistva RSFSR, 1954. 99 p. (MIRA 7:9)  
(Fire prevention--Study and teaching)

AKHANCHENOK, A.

Cooperation with militia workers. Pozh.delo 3 no.3:9 Mr '57.  
(MLRA 10:4)

(Fire prevention)

AKHANCHENOK, A.

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In lowland district. Pozh.delo 3 no.8:4-6 Ag '57.  
(Rostov Province--Fire prevention)

(MLRA 10:8)



AKHANCHENOK, A.

Magnetic tapes used in fire prevention campaigns. Pozh.delo 3  
no.9:6-7 S '57. (MLRA 10:9)  
(Fire prevention) (Magnetic recorders and recording)

AKHANCHENOK, A. G.  
AKHANCHENOK, A. G.

Regulations on Youth Volunteer Brigades of the R.S.F.S.R. Pozh.  
delo 4 no.2:31 P '58.

(MIRA 11:1)

(Fire prevention--laws and regulations)

AKHANCHENOK, A.

Satiric posters for fire-prevention campaigns. Pozh.delo 5  
no.4:8-9 Ap '59. (MIRA 12:5)  
(Fire prevention)

AKHANCHENOK, A.

Factory in process of reconstruction. Pozh.delo 5 no.11:5-6  
N '59. (MIRA 13:4)  
(Yaroslavl--Chemical plants--Fires and fire prevention)

AKHANOV, N.P.; IL'IN, G.A.

Experimental mining with over-all mechanization and automatization in the "Proletarskaia-Glubokaia" mine of the Donets Basin; over-all mechanization and automatization are miners' main objectives. Ugol' 34 no.8:45 Ag '59. (MIRA 12:12)

1.Glavnyy inzhener shakhty "Proletarskaya-Glubokaya" tresta Makeyevugol' (for Akhanov). 2.Pomoshchnik glavnogo mekhanika po avtomatizatsii shakhty "Proletarskaya-Glubokaya" tresta Makeyevugol' (for Il'in).

(Donets Basin--Coal mines and mining)  
(Automatic control)

AKHANOV, Ts. B.

RUMYANTSEV, G.N., redaktor; BORISOV, M.I., redaktor; BUYANTUYEV, B.R.,  
redaktor; KROTOV, V.A., redaktor; RAZUMOV, I.M., redaktor;  
KHADALOV, P.I., redaktor; SHNIPER, R.I., redaktor; AKHANOV,  
Ts. B., tekhnicheskiy redaktor.

[Studies on the production forces of the Buryat-Mongolian  
A.S.S.R.] Materialy po izucheniiu proizvoditel'nykh sil  
Buriat Mongol'skoi ASSR. Ulan-Ude, Buriat-Mongol'skoe kn-vo.  
no. 1. 1954. 425 p. (MIRA 9:5)  
(Buryat-Mongolia--Economic geography)

AKHANOV, Viktor Stepanovich; VASIL'YEV, N.M., inzhener, redaktor;  
UDOD, V.Ya., redaktor; MEDVEDEV, L.Ya., tekhnicheskiy redaktor.

[Carpenter's and joiner's work in the agricultural construction]  
Plotnichnye i stoliarnye raboty v sel'skom stroitel'stve.  
Moskva, Gos.izd-vo lit-ry po stroit. i arkhitekture, 1955. 101pp.  
(Carpentry) (Farm buildings) (MLRA 8:11)

AKHANOV, V.S., inzhener; UNGIADZE, A.D.

Using mortar pumping machinery in repairing building façades  
in low temperatures. Gor.khoz. Mosk. 30 no.2:36-37 F '56.

(MIRA 9:6)

1.Akademiya kommunal'nogo khozyaystva imeni Pamfilova (for  
Akhonov).2.Upravlyayushchiy remontno-stroitel'nyy Kominternovskogo  
rayona g.Moskvy (for Ungiadze).

(Plastering--Cold weather conditions)



AKHANOV, V. S. Cand Chem Sci -- (diss) "Study of Problems <sup>in the</sup>  
Transporting <sup>through</sup> Plaster Solutions ~~to~~ Pipes at Low Temperatures."  
Mos, 1957. 19 pp 21 cm. (Academy of Communal Economy im K. D.  
Pamfilov), 120 copies (KL, 27-57, 106)

AKHANOV, V.S.

Transporting plastering mortars in pipe lines under cold weather conditions, Ger. khok. Mosk. 31 no.2:26-28 F '57. (MIRA 10:4)

1. Nauchnyy sotrudnik Akademii kommunal'noye khozaystvo imeni K.D. Pamfileva.

(Mortar--Transportation)

(Pumping machinery--Cold weather operation)

AKHANOV, V.S., kand.tekhn.nauk.

Changes brought about in the properties of plasters when they are pumped through pipes in winter. Stroi.prom. 35 no.9:10-13 S '57.

1.Akademiya kommunal'nogo khozyaystva im. K.D. Pamfilova.  
(Plastering--Cold weather conditions)

SHAPOSHNIKOV, A.P., kand. sel'skohoz.nauk; AKHANOV, V.S., kand. tekhn.nauk

Principal results of the 25-year activity of the Rostov Scientific  
Research Institute of the Academy of Municipal Services. Sbor.nauch.  
trud.RNII AKKH no.2:3-21 '63. (MIRA 18:10)

1. Direktor Rostovskogo nauchno-issledovatel'skogo instituta Akademii kommunal'nogo khozyzystva (for Shaposhnikov).
2. Zamestitel' direktora po nauchnoy rabote Rostovskogo nauchno-issledovatel'skogo instituta Akademii kommunal'nogo khozyzystva (for Akhanov).

AKHANOV, V.S., kand. tekhn. nauk

Products and building materials for the industrialization of the  
general repair and maintenance of residential houses. Sbor. nauch.  
trud. RNII AKKH no. 2: 136-154 '63.

(MIRA 18:10)

1. Zamestitel' direktora po nauchnoy rabote Rostovskogo nauchno-  
issledovatel'skogo instituta Akademii kommunal'nogo khozyaystva.

AKHAYEV, Zh. U.

Carbonate accumulation in the soils of the Gm Valley. Izv.  
AN Kazakh. SSR. Ser. biol. nauk 3 no.3:11-21 My-Je '66.  
(MIRA 18:9)

37635

S/076/62/036/005/010/013  
B101/B110

11-2131

AUTHORS: Talakin, O. G., Akhanshchikova, L. A., Sosnovskiy, Ye. N.,  
Pankratov, A. V., and Zercheninov, A. N.

TITLE: Heat of formation of fluonitrate

PERIODICAL: Zhurnal fizicheskoy khimii, v. 36, no. 5, 1962, 1065-1067

TEXT: The heat of formation of  $\text{NO}_3\text{F}$  was calorimetrically determined on the basis of the reaction  $\text{NO}_3\text{F} + 2\text{KOH} = \text{KNO}_3 + \text{KF} + 0.5 \text{O}_2 + \text{H}_2\text{O}$ , the  $\text{NO}_3\text{F}$  being synthesized by bubbling  $\text{F}_2$  through  $\text{HNO}_3$  thus:  $\text{HNO}_3 + \text{F}_2 = \text{HF} + \text{NO}_3\text{F}$ . The HF was absorbed by KF, and  $\text{NO}_3\text{F}$  was condensed at  $-183^\circ\text{C}$ . The heats (kcal/mole) of reaction between  $\text{NO}_3\text{F}$  and KOH ( $Q_1 = 93.5 \pm 0.8$ ), between KF and KOH ( $Q_2 = 3.35 \pm 0.011$ ), and between  $\text{KNO}_3$  and KOH ( $Q_3 = -5.93 \pm 0.023$ ) were measured with a calorimeter calibrated with KCl. From the system of equations which allows for this and the other side reactions of the process the heats of formation of gaseous and liquid  $\text{NO}_3\text{F}$  were calculated

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Heat of formation of fluonitrate

S/076/62/036/005/010/013  
B101/B110

and found to be  $-4.2 \pm 0.9$  kcal/mole at  $21^{\circ}\text{C}$  and  $-4.2 \pm 1.2$  kcal/mole at  $-45.9^{\circ}\text{C}$ , respectively. There are 2 figures and 4 tables.

SUBMITTED: May 17, 1961

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PANKRATOV, A.V.; AKHANSCHIKOVA, L.A.; SHALAYEVA, O.N.; KUZNETSOVA, T.V.

Reaction of tetrafluorohydrazine with potassium iodide aqueous  
solution. Zhur. neorg. khim. 9 no.6:1517-1519 Je '63  
(MIRA 17:8)

**AKHAPKIN, A.**

Help from parents. Prof.tekh. obr. 11 no.5:24-25 Ag '54. (MLRA 7:9)

1. Zamestitel' nachal'nika Moskovskogo gorodskogo upravleniya trudovykh rezervov.

(Parents' and teachers' associations) (Technical education)

AKHAFKIN, A.

~~XXXXXXXXXXXXXXXXXXXX~~  
Educational work of trade schools. Prof.-tekh.obr. 12 no.1:25-26  
J '55. (MIRA 8:3)

1. Zamestitel' nachal'nika Moskovskogo gorodskogo upravleniya  
trudovykh rezervov.  
(Technical education)

22(1)

SOV/27-59-4-4/28

AUTHORS: Kochetov, S., and Akhapkin, A.

TITLE: In Accordance With the Plans of the Seven-Year Plan

PERIODICAL: Professional'no-tekhnicheskoye obrazovaniye, 1959, Nr 4,  
pp 3-5 (USSR)

ABSTRACT: The Moskovskoye gorodskoye upravleniye trudovykh rezervov (Moscow Municipal Administration of Labor Reserves) and its educational institutions are at this time engaged in solving problems in the training of young workmen so as to be able to satisfy more fully the requirements of base enterprises. These problems include a radical improvement in the quality of training and education of young workers, the necessity of re-organizing the training process, etc. They were placed before the vocational schools of Moscow by the 21st CPSU Congress and the School Law passed by the USSR Supreme Council. In this article the authors tell of the first measures accomplished to this end by the educational institutions of Moscow. The basic trend is to get in closer touch with industry, to learn its needs, lower the

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SOV/27-59-4-4/28

In Accordance With the Plans of the Seven-Year Plan

cost of training, give a greater output, and to better train and educate young workmen. Thus, the Tekhnicheskoye uchilishche Nr 22 (Technical School Nr 22), the base of which is the Stankostroitel'nyy zavod imeni Ordzhonikidze (Machine Tool Plant imeni Ordzhonikidze), has started to train foremen for automated production-lines. Technical School Nr 12 (base: Sharikopodshipnikovyy zavod - Ball Bearing Plant) is training lathe and semi-automatic machine operators, operator-adjusters for polishing machines and semi-automatic devices. Technical School Nr 14 is training mechanics for computing analytical machines. Technical School Nr 15 has begun training press operators and specialists for the watch industry. The Remeslennoye uchilishche Nr 1 is planning to train automatic production line adjusters. In accordance with the new School Law, the Moscow Municipal Administration of Labor Reserves intends to reorganize in the 4-year course, 70 educational institutions into vocational-technical schools, 20 of them by \* 1961. In order to ensure the yearly enrollment of young people who have graduated

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In Accordance With the Plans of the Seven-Year Plan

from the 8-year-school, 48 buildings for new vocational-technical schools will be built in Moscow. The Moskovskiy sovet deputatov trudyashchikhsya (Moscow Council of Deputies of the Working People) has passed a decision to construct 20 buildings, to be ready in 1961-1962. They will provide schools for training construction and sewing industry workers, and others. Technical School Nr 5 is already manufacturing pneumatic and hydraulic vises and winches for its plant. Remeslennoye uchilishche Nr 1 (Trade School Nr 1) will make 400 different items for the zavod imeni Likhacheva (Plant imeni Likhachev). By order of the Chief of Glavmosstroy, the construction of several 5-story apartment houses has been transferred to educational institutions. The technical supervision, supply of materials, machines, cranes, etc., is the concern of Glavmosstroy. In order to satisfy the labor force requirements of installations, schools will turn out graduates 8 to 9 times annually as compared to twice a year previously. The School Law provides that the vocational-technical schools

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In Accordance With the Plans of the Seven-Year Plan

be gradually placed on a self-supporting basis. In this connection, it is intended to double the production plan of the schools in 1959 and to increase assignments to the State budget to the same extent. This is to be regarded as a means for improving training-educational work. The authors also mention other ways to lower the cost of training, and quote in this connection the Moskovskoye gorodskoye upravleniye (Moscow Municipal Administration) which, for training workmen, spent 2,500,000 rubles less in 1958 than in 1957. The authors also speak of assigning students to paid jobs which made it possible to considerably increase the State budget income in 1959. In this connection the Remeslennoye uchilishche Nr 6 (Trade School Nr 6) is mentioned. For some vocations, the solving of the problem of self-support meets with difficulties. This is the case with Technical Schools Nr 18 and 19, where tailors are being trained. The difficulty was overcome by opening a tailor shop for making outdoor clothes for the public. This increased income and made it possible to better

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In Accordance With the Plans of the Seven-Year Plan

organize training. The authors mention the organization of practical training of foremen of all basic professions in Moscow and a pedagogical conference of foremen and instructors which was held in Moscow recently. Many directors of educational institutions were unable to cope with the problems arising from the transfer of schools to a self-supporting basis and the training of students at base enterprises. Special short-term courses on economics of production have, therefore, been organized for leading personnel. As an example of zealous participation, the authors mention the Stroitsl'noye uchilishche Nr 3 (Construction School Nr 3) and Remeslennoye uchilishche Nr 1 and 6 (Trade School Nr 1 and 6) which have manufactured 50 screw-cutting lathes "1615M" over the plan. In the Moskovskoye Tekhnicheskoye uchilishche Nr 3 and 6 and the Zheleznodorozhnoye uchilishche Nr 3 (Moscow Technical School Nr 3 and 6 and Railroad School Nr 3) the students themselves are displaying initiative in supplying the workshops with tools or suggesting rationalizing methods.

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SHABANOV, P.; AKHAPKIN, A.

From Moscow schools to the 22d Congress of the CPSU. Prof.-  
tekh. obr. 18 no.5:6-7 My '61. (MIRA 14:8)  
(Moscow--Vocational education)  
(Socialist competition)

GUKIN, V.; KUZNETSOVA, M., starshiy nauchnyy sotrudnik; KHLEBNIKOV, I.,  
mladshiy nauchnyy sotrudnik; AKHAPKIN, A., tekhnolog

Mechanized swine-fattening farm. Sel', stroi. no.7:12-13 '62.  
(MIRA 15:8)

1. Glavnyy zootekhnik sovkhoza "Moshkovskiy" Novosibirskoy oblasti  
(for Gukin). 2. Zapadno-Sibirskiy filial Akademii stroitel'stva i  
arkhitektury SSSR (for Kuznetsova).

(Swine houses and equipment)

AKHAPKIN, A.

With the help of party organizations. Prof.-tekh. obr. 19 no. 2:  
11-12 F '62. (MIRA 15:2)

1. Zamestitel' nachal'nika Moskovskogo gorodskogo upravleniya  
professional'no-tekhnicheskogo obrazovaniya.  
(Moscow--Vocational education)

AKHAPKIN, A.

For creativeness in educational work. Prof.-tekh. obr. 20 no.6:  
3-5 Ja '63. (MIRA 16;7)

1. Zamestitel' nachal'nika Moskovskogo gorodskogo upravleniya  
professional'no-tekhnicheskogo obrazovaniya.  
(Moscow--Vocational education) (Moscow--Community and school)

AKHAPKIN, A.

Let's teach them to love work. Prof.-tekh. obr. 21 no.10:11-13  
0 '64. (MIRA 17:11)

1. Zamastitel' nachal'nika Moskovskogo gorodskogo upravleniya  
professional'no-tekhnicheskogo obrazovaniya.

AKHAPKIN, Mikhail Vasil'yevich

Name AKHAPKIN, Mikhail Vasil'yevich  
Title Docent  
Affiliation Novosibirsk Agr Inst, Chair of Tractors and Automobiles  
① Odessa  
UKR SSR Date 19 Dec 56  
Source BIVO 7/57

*Cousin*

AKHAFKIN. S.M. GELESKUL, M. N.

Kashpirskiy Rudnik v Pervoy Treti 1935 G, Goryuchiye Slantsy, 1935  
No 4, 21

SO: Goryuchiye Slantsy, 1934-35, TN .871  
G .74

AKHAPKIN, V.M., kandidat tekhnicheskikh nauk

Basis for the selection of the coefficient of marginal adhesion  
in tractor clutches. Avt. trakt. prom. no.7:16-20 JI '55.  
(MIRA 8:9)

1. Novosibirskiy sel'skokhozyaystvennyy institut  
(Tractors--Clutches)



AKHAPKINA, A.I., nauchnyy sotr.; GORYACHEVA, L.M., nauchnyy sotr.; ISTOMINA, I.V., nauchnyy sotr.; KASHIKHIN, L.S., nauchnyy sotr.; ROZHKOVA, T.D., nauchnyy sotr.; KOPYLOV, D.I., kand. istoricheskikh nauk, red.; VOROB'YEV, M.A., red.; OVECHKIN, L.T., tekhn. red.

[Thirty years of the Yamal-Nenets National Area] 30 let Yamalo-Nenetskogo okruga; istoriko-ekonomicheskii ocherk. Tiumen', 1960. (MIRA 14:10)  
87 p.

1. Tyumen'(Province) Upravleniye vnutrennikh del. Arkhivnyy otdel.
2. Tyumenskiy oblastnoy Gosudarstvennyy arkhiv, Tobol'sk (for Akhapkina, Goryacheva, Istomina, Kashikhin, Rozhkova).  
(Yamal-Nenets National Area--Economic conditions)

~~AKHAROV, V.I.; BORISOV, B.S.~~

Effect of alloying elements on the heat resistance of alloys and bonding forces in the oxidation phase lattices in the scale. Part 1. Effect of chromium on bonding forces in hematite. Fiz. met. i metalloved. 3 no.3:471-476 '56. (MIRA 10:3)

1. Institut fiziki metallov Ural'skogo filiala AN SSSR. (Iron-chromium alloys—Metallography) (Heat-resistant alloys)

VINOGRADOV, G.V.; AKHAROVA, V.V.; PETROV, A.A.

Antiwear and antifriction properties of hydrocarbons. Khim. i tekhn.  
topl. i masel 6 no. 3:48-54 Mr '61. (MIRA 14:3)  
(Hydrocarbons)

BULGARIA / Cultivated Plants. Medicinal. Essential M-7  
Oils. Toxins.

Abs Jour: Ref Zhur-Biol., No 6, 1958, 25226

Author : Akhatarov, B., Boychinov, A., Mazhdrakov, P.

Inst : NOT given

Title : Experiments on the Influence of Artificial Fertilizers on the Alkaloid Content in Plants

Orig Pub: Farmatsiya (B'lg), 1957, 7, No 1, 37-39 (Bulg.;  
res. Russ.)

Abstract: Investigations were made of the effect of fertilizers on the alkaloid content in the plants *Atropa belladonna* L., *Datura stramonium* L., and *Hyoscyamus niger* L. Nitrogen fertilizer increased the alkaloid content in belladonna and the thorn apple by up to 25%; nitrogen and phosphorus fertilizers increased the alkaloid content in the henbane by

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AKHATKIN, L.S., inzh.

Requirements for the instructions for the repair of  
construction machinery. Stroi. i dor. mash. 9 no.6:  
23-25 Je '64. (MIRA 18:11)

CHERNYAYEV, D.A.; AKHATOV, Sh.N.

Some problems in designing petroleum pipelines and turning  
them over to industrial exploitation. Neft. khoz. 40  
no.5:54-59 My '62. (MIRA 15:9)  
(Petroleum--Pipelines--General)

AKHAVERDOV, I. N.

"Nature of the Movement of Concrete Mixtures and Solutions when Pumped Through Pipes," Stroi. prom., 30, No.2, 1952

AKHCHIEV, M.

TECHNOLOGY

Periodicals: LEKA PROMISHLENOST. Vol. 8, no. 1, 1959.

AKHCHIEV, M. Allowances for the puncheon and matrix in the blanking die. p. 19.

Monthly List of East European Accession (EEAI) LC Vol. 8, No. 4, April 1959,  
Unclass.



AKHCHIEV, M.

"Treatment of thermoplastics by the extrusion process."

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Monthly list of EAST EUROPEAN ACCESSIONS INDEX (EEAI), Library of Congress,  
Vol. 8, No. 8, August, 1959.

Unclassified

AKECHIEV, K.

"Nature and significance of the carrying parts of the broaching machines."

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Vol. 8, No. 8, August, 1959.

Unclassified.

AKHEM - AKREMOVICH, P. M.

5844. Klinika, Lecheniye i Profilaktika Opistorkhoza. Omsk, Obl. Kn. Izd.,  
1954, 95s. s Ill; 2 Ill. 20sm. 3,000 ekz. 2r. 50k. ~~Bib~~ Bibliogr. s. 91 - 93.  
(55-1470)p 616.962\*(016.3)

SO: Knizhnaya Letopis, Vol. 1, 1955

AKHEMDLI, M.K.; ABBASOV, G.A.

Ammonia method of unwinding silkworm cocoons. Uch. zap. AGU.  
Fiz.-mat. i khim. ser. no. 3:67-76 '59. (MIRA 14:3)  
(Sericulture)

AKHEMEDZHANOV, M.A.

Concerning E. L. Abramovich's article "Genesis of the foliated  
complex ore formation in dolomites of Kalkanata Mountain." *Usb.geol.*  
skur. no. 1:76-78 '61. (MIRA 14:3)

(Kalkanata Mountains—Ore deposits)  
(Abramovich, E.L.)

AKHENBAKHAS, E.F.; OVCHINNIKOV, G.R.; MONASTYRSKAYA, M.S.; PLEVAKO, N.A.

Simplified method for salt removal in the manufacture of  
porous artificial leather. Kozh.-obuv.prom. no.10:20-24  
0 '59. (MIRA 13:2)

(Leather, Artificial)

AKHEND, A.

1. GEYZER, I.; MALISHKEVICH, M.; MOSHCHEENNIKOV, N.; SHPILEVOY, V.; AKHEND, A.;  
CGLOVANENKO, V.V.
2. USSR (600)
4. Radio - Exhibitions
7. Radio amateurs are getting ready for the Eleventh All-Union Radio Exhibition.  
Radio. No. 10, 1952

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

AKHENSHTYIN, G., insh.

Technical and economic coefficients and the crawl space.  
Zhil. stroi. no. 12:12 '62. (MIRA 16:1)

(Hotels, taverns, etc.—Cost of construction)



BERLIN, A., inzh.; MOROZOV, V., inzh.; ~~AKHENSHTYIN, G.~~ inzh.

From material sent to the editor. Na stroi. Ros. 4 no.5:25 My  
'63. (MIRA 16:5)

(Construction industry)

AKHNSHTEYN, G.I.

Simplify designs and lower the construction costs of light-weight open trestles. Prom. stroi. 38 no. 12:57-58 '60.  
(MIRA 13:12)

(Trestles)

AKHENSHTEYN, G.I. (Kazan')

Problem of the depth for laying foundations of buildings and  
structures. Osn., fund. i mekh. grun. 3 no.5:26-27 '61.(MIRA 14:11)  
(Foundations)

AKHENSHTYUN, G.I., inzh.

Setting up norms for the anticorrosion protection of construction  
elements. Prom. stroi. 39 no. 1:48-50 '61. (MIRA 14:1)  
(Concrete--Corrosion)

AKHENSHTeyN, G., inzh.

Cease the intolerably frequent changes in state standards and  
instructions. From. stroi. 39 no.5:62-63 '61. (MIRA 14:7)  
(Standards--Engineering)

AKHENSHEYN, G.I., inzh.

The lesson of an accident. Be. i zhel.-bet. 8 no.10:472-473  
0 '62. (MIRA 15:11)

(Building—Accidents)  
(Concrete reinforcement)

*AKHANOV, G.I.*

AKHANOV, G.I. (selo Kotel'nikovo Stalingradskoy oblasti).

Steady work on practical exercises in geometry in grades 10 and 11.  
Mat. v shkole no.2:40-42 Mr-Apr '58. (MIRA 11:2)  
(Geometry--Study and teaching)

*AKHANOV, Ivan Ivanovich*

AKHANOV, Ivan Ivanovich; KUZNETSOVA, N.I., red.; RAKOV, S.I., tekhn.red.

[Gelendzhik and its environs] Gelendzhik i ego okrestnosti.  
[Moskva] Izd-vo VTsSPS Profizdat, 1957. 133 p. (MIRA 11:1)  
(Gelendzhik--Description)



AKHANOV, N.P.

Coal mine and laboratory, Bezop. truda v prom. 3 no.11:4-5 N '59.  
(MIRA 13:3)

1. Glavnyy inzhener shakhty "Proletarskaya-Glubokaya" tresta Makeyev-  
ugol'.  
(Makeyevka--Coal mines and mining--Technological innovations)

ACCESSION NR: AP4022905

S/0119/64/000/003/0013/0014

Akh  
AUTHOR: Ahestkov, V. A. (Docent)

TITLE: Polarized neutral time relay

SOURCE: Priborostroyeniye, no. 3, 1964, 13-14

TOPIC TAGS: relay, time relay, directional relay, polarized relay, directional time relay, polarized time relay

ABSTRACT: The article is a discussion of a time relay which consists of a type EA-214 relay and an electromagnetic single step voltage regulator. The EA-214 relay contains an electromagnet with disc armature 1 (enclosure 01), a time delay clock mechanism, fixed plates 2 and 3 with contacts  $K_1$  and  $K_2$  for instantaneous switching, fixed contact  $K_3$  with a pointer and a scale of the delay time. The device is limited to times from 0.1-1.3 seconds by tenths of a second. The relay works reliably at an ambient temperature of +40 to -30 C and is supplied by 127 vac. The voltage regulator has a core 4 with magnetized winding and contact  $K_4$  which consists of movable 5 and fixed 6 plates. The gap between the movable plate and the core should be 1.4-1.5mm. The regulator supply is 12 vdc. Both parts of the

Card 1/3

ACCESSION NR: AP4022905

relay are mounted on common panel 7. When the switch EK is closed, the relay coil is energized. Simultaneously the time delay clock mechanism is started which moves lever 9 and contact K<sub>1</sub> is closed because of the instantaneous movement of lever 8. When contact K<sub>3</sub> is closed by lever 9, contact K<sub>4</sub> opens and one cycle of the relay is completed. After each cycle, switch EK must be opened. Orig. art. has: 2 figures.

ASSOCIATION: none

SUBMITTED: 00

DATE ACQ: 08Apr64

ENCL: 01

SUB CODE: GE, SD

NO REF SOV: 000

OTHER: 000

Card 2/3 A

AKHILLO, Vladimir Khristoforovich [deceased], dots., kand. ekon. nauk;  
OGANOV, N.K., red.; VOLCHOK, K.M., tekhn. red.

[Transportation of coal] Perevozka uglia. Leningrad, Izd-vo  
"Rechnoi transport," Leningr. otd-nie, 1958. 61 p. (MIRA 11:10)  
(Coal--Transportation)

TUBYANSKIY, I.I.; FRENKEL', I.D.; AKHIMOV, P.P., redaktor; VORONETSAYA,  
L.V., tekhnicheskiy redaktor.

[High-pressure steam turbines from the Stalin Metalworks in Lenin-  
grad] Parovye turbiny vysokogo davlenia LMZ imeni Stalina. Moskva,  
Gos. energ. izd-vo, 1953. 325 p. (MLRA 8:1)  
(Steam turbines)

AKHIMOVA, L.

Gavrilov, N. Akhimova, L.

"Systems of association and ways of synthesizing models of protein microstructures.

Tr. from the Russian." p. 70

(Analele Romano-Sovietice, Seria Chimie, Series a III-a, v. 5, No. 1, 1953, Bucuresti)

SO: Monthly List of East European Accessions, Vol. 2, No. 9, Library of Congress, September  
1953, Uncl.

AKHINYAN, G.M.

Effect of gibberellin on seed germination and the growth of trees and shrubs on the dry slopes of Armenia. Izv. AN Arm. SSR biol. nauki 16 no.8:91-98 Ag'63 (MIRA 17:4)

1. Armyanskaya nauchno-issledovatel'skaya opyt'naya stantsiya subtropicheskogo lesnogo i lesoparkovogo khozyaystva.

1. AKHINYAN, R. M.
2. USSR (600)
7. "Concerning the Question of the Intensity of Fermentation of Various Sugars by Yeasts", Mikrobiol. Sbornik Akad. Nauk Arm. SSR (Microbiology Symposium of the Acad Sci Armenian SSR), No 5, 1950 pp 49-50.

9. Mikrobiologiya, Vol XXI, Issue 1, Moscow, Jan-Feb 1952, pp 121-132  
Unclassified.



1. AKHINYAN, R. M.
2. USSR (600)
4. Yeast
7. Some morphological characteristics of yeasts from the "Kakhet" grape [An Armenian with Russian summary]. Mikrobiol.sbor., no. 6, 1951.

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

AKHINYAN, R. M.

The distribution and survival of *Azotobacter* in the soils of Armenian S.S.R. A. V. Kurukosyan, R. S. Karimyan, and R. M. Akhinyan. *Izvest. Akad. Nauk Armyan. S.S.R., Div. i S'it'sk'aks. Nauki* 8, No. 7, 35-42(1955) (in Russian Armenian summary, 42-3).—No *Azotobacter* is found in mountain-meadow and chernozem soils, but when CaCO<sub>3</sub> is added the organisms introduced thrive. Fertilization helps the propagation of *Azotobacter* in sod-meadow soils. In the brown and chestnut brown soils with their high pH values *Azotobacter* thrives well.  
I. S. Ioffe

AG

(7)

PANOSYAN, A.K.; AKHINYAN, R.M.; MALBANDYAN, A.Dz.

~~SECRET~~  
Effect of fertilizers on the activity of azotobacterin. Izv. AN Arm. SSR. Biol. i sel'khoz. nauki 9 no.9:51-55 S '56. (MIRA 9:11)

1. Sektor mikrobiologii Akademii nauk Armyanskoy SSR.  
(AZOTOBACTER) (FERTILIZERS AND MANURES)

AKHINYAN, R.M.

Effect of alcohol concentration on the vital activity of yeast.  
Vop.mikrobiol. no.1:139-147 '61.

(MIRA 17:10)

AKHINYAN, R.M.; KARBYAN, R.O.; MARSHALL, I.G.

Effect of stimulants on the vitality of yeast. Vop. mikrobiol.  
no.2:161-169 '64. (MIRA 18:3)

SARUKHANYAN, F.G.; KARIMYAN, R.S.; AKHINYAN, R.M.

Preservation of the activity of pure yeast cultures capable of fermenting high sugar concentrations. Vop. mikrobiol. no. 2:171-182 '64.

Morphophysiological properties of some yeast species. Ibid.: 183-194 (MIRA 18:3)

SARUKHANYAN, F.G.; AKHINYAN, R.M.; KARIMYAN, R.S.

Selecting yeast capable of synthesizing group-B vitamins.  
Izv. AN Arm. SSR. Biol. nauki 17 no.6:23-28 Je '64.

(MIRA 17:12)

1. Institut mikrobiologii AN ArmSSR.

AKHINZHANOV, M., redaktor; AKHMETOV, Z., redaktor; BEKKHOZHIN, Kh., redaktor;  
SAYKIYEV, Kh., redaktor; SIL'CHENKO, M., redaktor; SMIRNOVA, H.,  
redaktor; BERNSHTEYN, S.A., redaktor; IDRISOV, K., redaktor; BOROKINA,  
Z.P., tekhnicheskiy redaktor

[Life and works of Abai; a collection of articles] Abaidyn omiri men  
tvorchestvosy. Zhizn' i tvorchestvo Abaia; sbornik statei. Pod red.  
M.Akhinzhanova i Z.Akmetova. Alma-Ata, 1954. 269 p. [In Kazakh and  
Russian] (MIRA 9:12)

1. Akademiya nauk Kazakhskoy SSR, Alma-Ata. Institut yazyka i  
literatury.

(Kunanbaev, Abai, 1845-1904)



1948. Coherent Scattering of  $\gamma$ -Rays by Nucl. A. Achlaser and I. Pomerantchuk. *Phys. Zeits. f. Sowjetunion*, 11, 5, pp. 476-497, 1957. In German.—A theoretical investigation is made of the coherent scattering of  $\gamma$ -rays by nuclei, using a vector matrix method. The possibility of this process of scattering follows from the Dirac theory of positrons. An assumption of intermediate energy states for the electrons is used in the development of the argument. Two particular cases are considered; firstly that of large frequencies ( $h\nu \gg mc^2$ ),  $\omega$  being the frequency while the other symbols have their usual meanings. In this case small scattering angles are of primary importance. The differential scattering cross-section is then inversely proportional to the square of the scattering angle. The total cross-section is found to have the form  $\sigma = \sigma_0 Z^2 (\frac{h\nu}{mc^2}) \log(\frac{h\nu}{mc^2})$ , where  $Z$  is the atomic number,  $\sigma_0$  the fine structure constant and " $s$ " a constant whose evaluation is very difficult. The second case considered is that for small frequencies, i.e.,  $h\nu \ll mc^2$ , where the total cross-section is given by  $\sigma = bZ^2 (\frac{h\nu}{mc^2})^2 / \epsilon^2$  where  $\epsilon$  is the charge on the electron and " $b$ " an undetermined numerical coefficient. The integral cross-section has a maximum at  $h\nu \sim mc^2$ . G. O. B.

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1ST AND 2ND ORDERS      PROCESSES AND PROPERTIES INDEX      3RD AND 4TH ORDERS

ACHIEZER, A. A-1

BC  
AKHIEZER, A.

Absorption of sound in solids. A. Akhiezer (*J. Phys.*, U.S.S.R., 1949, 1, 277-282). The absorption of sound in dielectrics is considered theoretically. The absorption coefficient is independent of temp. if the latter is high, but at low temp. it is inversely  $\propto$  temp. The absorption coefficient is a function of frequency in both cases. The effect of thermal conductivity on absorption of sound has also been investigated. A. I. M.

Common Elements

Materials Index

USSR - S.S.A. METALLURGICAL LITERATURE CLASSIFICATION

USSR - S.S.A. DETAIL

USSR - S.S.A. DETAIL

USSR - S.S.A. DETAIL

Ukr. Phys-Tech. Inst, Kharkov

PROCESSING AND PROPERTY INDEX

LIST AND INC. ORDERS

100 AND 41M CODES

2

CA

The theory of electric breakdown of ionic crystals.  
 A. Akhiezer and I. Lifshits. *Compt. rend. acad. sci. R. S. S. 27*, 785-6(1940)(in English); cf. C. A. 33, 5419. The theories proposed by Frohlich and by Seeger and Teller (ib. cit.) are based on von Hippel's idea that breakdown sets in if the electrons, accelerated by the field to such an extent as to become able to produce in their turn ionization; Seeger and Teller postulate that for breakdown all electrons must be accelerated by the field and that the electron's motion is rectilinear, without scattering. For the production of an avalanche process, A. and I. consider it necessary that the majority of electrons produced by ionization be accelerated by the field and that, owing to the initially small energies of the primary and secondary electrons, the probability of ionization by the electrons is quite small and rises abruptly only at high energies. In any kinetic equation for breakdown, the stationary soln. must vanish at breakdown fields and the process of scattering of electrons must be taken into account.  
 George Avra

U.S. Phys. Tech. Inst. Kharkov

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1ST AND 2ND QUARTERS      PREVIOUS AND PROPERTIES INDEX      3RD AND 4TH QUARTERS

2

Thermal Equilibrium between spins and the crystal lattice. A. Ableson and I. Pomeranchuk. *J. Appl. Phys.* (U.S.S.R.) 14, 943-53; *J. Phys.* (U.S.S.-R.) 8, 216-18 (1941). Magnetic cooling lowers primarily the temp. of the spin which in a secondary process cool the lattice. The temp. of this secondary process is calcd. under the assumption that in any given moment there are two thermal equilibria within the crystal, one among the spins, and another among the lattice elements. Then a definite mechanism is postulated for the energy transfer from the lattice to the spins, and it is concluded that the secondary process is completed in approx. 1 sec.

J. J. Birkman

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

METALLURGICAL LITERATURE CLASSIFICATION

FROM SYMBOLS      FROM NUMBERS

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

PROCESSING AND PREPARATION NOTES

2

Heat conductivity of salts used in the magnetic cooling method. A. Akhiezer and I. Pomeranchuk. *J. Phys. (U.S.S.R.)* 8: 916-18(1944).--Theoretical. The heat cond. of salts with magnetic interaction between the ions is found in the temp. range  $T < W/h \sim 0.03^\circ$  not by the lattice oscillations but by the energy spectrum of the spin system. This part of the thermal cond. becomes vanishingly small in sufficiently strong magnetic fields. In this case phonon heat cond. only remains. H. C. Thomas

A.S.T.M. METALLURGICAL LITERATURE CLASSIFICATION

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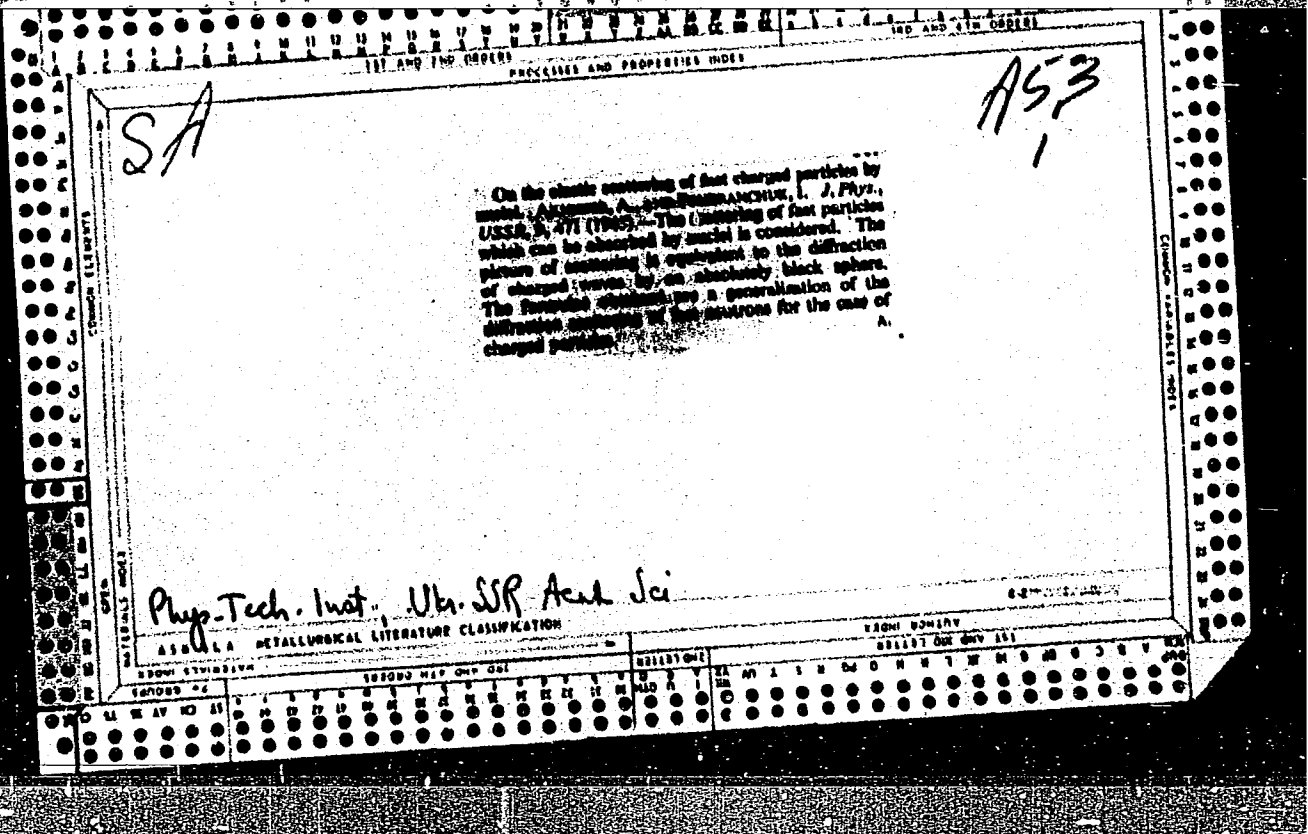
PROCESSES AND PRIORITIES INDEX

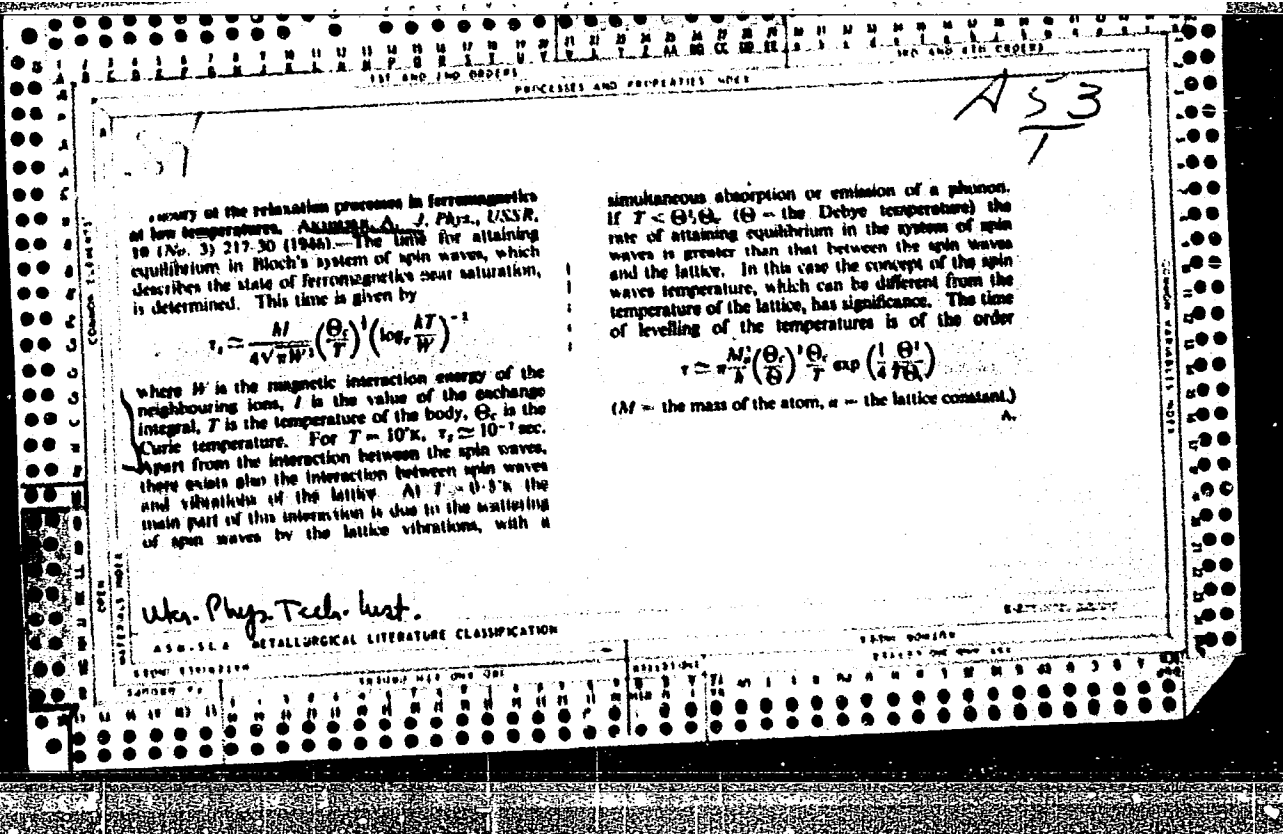
ACHIEZER, A.  
BC  
AKHIEZER, A.

Scattering of low energy neutrons in helium II. A. Achizer and I. Pomerantchuk (*J. Physics U.S.S.R.*, 1948, 9, 481-484). A mathematical discussion of the scattering of slow neutrons in He II, the energy spectrum of which is assumed to be of the form given by Landau's theory. At temp.  $<$  that of the transition point the scattering is negligibly small. H. B.

ASB-SL METALLURGICAL LITERATURE CLASSIFICATION

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AKHIEZER, A.

"On the Scattering of Low-Energy Neutrons in Helium II," Zhur. Eksper. i Teor. Fiz.,  
16, No.5, 1946.

Phys.-Tech. Inst, AS UkrSSR

A 53  
J

2A

ON THE HEAT CONDUCTIVITY OF SALTS USED IN THE MAGNETIC COOLING METHOD.  
 Akhiezer, A., and Pomeranchuk, I. J. Phys., USSR, 8 (No. 4) 216-18  
 (Abstr. 317 (1947)). The heat conductivity is due to (1) the oscillations  
 of the lattice and (2) the existence of the energy spectrum of the spin system.  
 The contributions from each of these sources is calculated, and it is shown  
 that in a certain temperature range only the contribution from the energy  
 spectrum is of importance. This assumes no magnetic field. But if such  
 a field is present in sufficient strength and contribution from (2) is ne-  
 gligible and it is necessary to consider the part arising from (1).  
 L.S.G.

1ST AND 2ND ORDER PROCESSES AND PROPERTIES INDEX

Common Elements

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ASB-51A METALLURGICAL LITERATURE CLASSIFICATION

FROM DIVISION

ISSUES MAY ONLY BE

REVISIONS

FROM BOWERY

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NV CERTAIN PROBLEMS ON NUCLEAR THEORY. A.  
Akhizer and I. Pomeranchuk. Moscow-Leningrad,  
Gostekhizdat, 1948. 379p. (in Russian) (Book on display  
at Geneva Conference)

Results on scientific achievements in the nuclear theory—  
a summary of publications on this subject. Processes in  
which neutrons participate; interaction between neutrons  
and protons, statistic properties of heavy nuclei, resonance  
phenomena, division of heavy nuclei, interaction of slow  
neutrons with substance; reaction of fission of fast neutrons  
in coulomb nuclear fields. (publisher's note)

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Rw

AKHIYEZER, A. I.

Akhiyezer, A. I. - "On relaxation phenomena in hard bodies", Uchen. zapiski Khar'k. gos. un-ta im. Gor'kogo, Vol. XXVII, Trudy Fiz. otd-niya Fiz.-matem. fak., Vol. I, 1948, p. 37-46, - Bibliog: 19 items.

SO: U- 3042, 11 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 8, 1949).