ACC NR: AP6032924 SOURCE CODE: UR/0142/66/009/003/0354/0359

AUTHOR: Avdeyev, V. V.

ORG: none

TITLE: Estimating the accuracy of direction finding of a pulse-modulated scanning radar with discrete signal processing

SOURCE: IVUZ. Radiotekhnika, v. 9, no. 3, 1966, 354-359

TOPIC TAGS: radar scanning, pulsed radar

ABSTRACT: W. Storz and W. D. Wirth proposed a general formula for estimating the potential accuracy of pulsed radar with binary quantization of detector output signals (Nachrichtentechn. Z., 1963, v. 16, no. 12, 643). The present article considers this related problem: assuming a single target lying within a given range, find the limits of accuracy which are imposed by a

Card 1/2 UDG: 621.396.3

ACC NR: AP6032924

noncorrelated noise that acts jointly with a definite signal-fluctuation type; the accuracy of determining the target angular position during one revolution of the antenna is considered. Antenna azimuth rotation and stationary point-type target are assumed. The cases of nonfluctuating and independently-fluctuating targets are examined. As the estimated plots of optimal quantization threshold vs. signal-to-noise ratio show, the discrete signal processing is not as efficient as analog (higher loss in the strong-signal range is caused by the nonoptimality of the quantization threshold). However, considering possible saturation in analog storage units and loss caused thereby, both methods are roughly equal in their direction-finding accuracy. Orig. art. has: 2 figures and 17 formulas.

SUB CODE: 17 / SUBM DATE: 27Oct64 / ORIG REF: 002 / OTH REF: 003

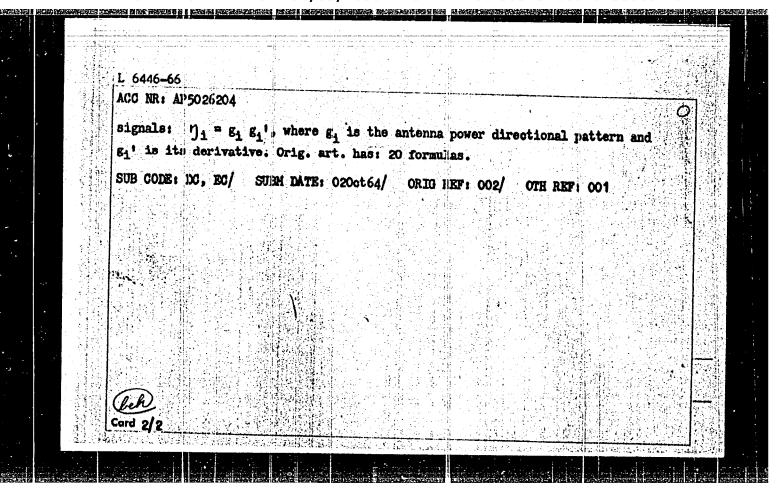
Card 2/2

L 3856-66 EWT(d)/EWT(1) BCI/WR ACCESSION NR: AP5018265 UH/0108/65/020/007/0074/0075 621.396 AUTHOR: Aydeyev, V. V. (Active member) TITLE: Potential accuracy of direction finding to a target fluctuating in unison SOURCE: Radiotekhnika, v. 20, no. 7, 1965, 74-75 TOPIC TAGS: direction finding, noncoherent radar 24,55 ABSTRACT: Formulas for the potential accuracy of direction finding to nonfluctuating and independently fluctuating targets by a pulsed noncoherent radar were developed by P. Sverling (Russ. transl., "Voprosy radiolokatsionnoy tekhniki, no. 2, 1957). The present short article considers the case of a fluctuating-in-unison target. An asymptotic formula is suggested for calculating the minimum dispersion of the estimated angular coordinate, for a strong-signal case. It is found that, in this case, the potential accuracy of direction finding is 1.8-times lower than that in the case of a nonfluctuating target, but is higher than that in the case of an independently fluctuating target. Orig. art. has: I figure Card 1/2

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	ACC NR: AP5026204 SOURCE COM: UR/0142/65/008/004/0500/0503	
	ORG: none	
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	TITLE: Fireling the center in a packet of binary-quantized signals	
	SOURCE: IVUZ. Radiotekhnika, v. 8, no. 4, 1965, 500-503	
	TOPIC TAGS: search radar, radar scanning	
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	ABSTRACT: As radar search does not permit optimal evaluation of the target azimuth, the maximum-likelihood principle was applied by P. Sverling in order to develop an algorithm for processing an incoherent packet of nonquantized signals. Using packet of binary-quantized signals for nonfluctuating, unison-fluctuating, and	
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	ABSTRACT: As radar search does not permit optimal evaluation of the target azimuth, the maximum-likelihood principle was applied by P. Sverling in order to develop an algorithm for processing an incoherent packet of nonquantized signals. Using packet of binary-quantized signals for nonfluctuating, unison-fluctuating, and independently fluctuating targets. It is found that the measurement of the target	

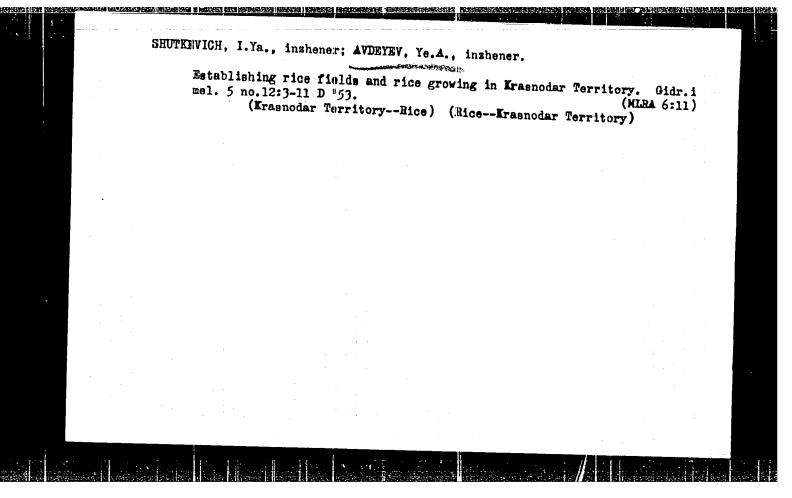
"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000102530002-8



AVDEYFV, Ya.I.; GAMMATOV, S.M.; LYKOV, Ye.A.

Controlling a gasser at well No.1 in the Kultak area. Burenie no.3:29-31 '64. (MIRA 18:5)

1. Trest "Karshineftegazrazvedka".



CHUKLIN, S.G., doktor tekhn. nauk; AVDEYEV, Ye.S., inzh.; NIKUL'SHINA, D.G., kand. tekhn. nauk

Principles of designing and operational characteristics of coding panel systems of refrigerator ships. Sudostroenie 30 no.11:29 N '64. (MIRA 18:3)

ACC NR: AP6027234

SOURCE CODE: UR/0109/66/011/008/1419/1427

AUTHOR: Avdeyev, Ye. V.; Voskresenskiy, G. V.

ORG: none

TITLE: Calculation of the diffraction radiation by a linear source moving near a periodic delay structure

SOURCE: Radiotekhnika i elektronika, v. 11, no. 8, 1966, 1419-1427

TOPIC TAGS: electromagnetic radiation, electromagnetic wave diffraction, delay structure preclamina

ABSTRACT: Earlier Voskresenskiy articles (Dokl. AN SS 3R, 1964, v. 156, no. 4, 770; ZhTF, 1964, v. 34, no. 10, 1856) reported an exact solution of the problem of radiation that arises when a charged filament or a linear current moves uniformly in the vicinity of a periodic delay structure which is formed by a

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UDC: 621.372.8-59

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ACC NR: AP6027234

set of equidistant perfectly-conducting semiplanes. The present article develops these formulas for calculating energy characteristics of radiation that occur under the above-described conditions: total energy loss for radiation, spectral density of the source loss over one spatial period of the delay structure, and approximate total energy loss (valid for two boundary cases: ultra-relativistic source speed and low source speed). Plots of total loss vs. source speed, for two fixed values of b/a, are shown; b - filament target parameter, a - structure period. A numerical example of the spectral distribution of radiation, at the first spatial harmonic, at various source speeds, illustrates the radiation characteristics of a linear source. Orig. art. has: 8 figures and 16 formulas.

SUB CODE: 20, 09 / SUBM DATE: 03May65 / ORIG REF: 002

Card 2/2

AVDEYEV, Yu.A.; NIKOLAYEVA, A.P.; SKOTNIKOVA, M.B., red.

[Analysis of graphic work schedules without using electronic computers. Report at the seminar "Practice in using computer and organizational techniques in construction" conducted by the Institute of Standard and Experimental Design and Technological Research on May 12-15, 1964] Analiz setevykh grafikov bez primenenia EVM. Doklad na seminare "Opyt primenenia vychislitel" noi i organizatsionnoi tekhniki v stroitel stve, "provedenmom institutom Giprotis 12-16 maia 1964 g. Moskva, Giprotis, 1964. 7 p. (MIRA 18:8)

l. Institut ekonomiki i organizatsii promyshlennogo proizvodstva Sibirskogo otdeleniya AN SSSM (for Avdeyev, Nikolayeva).

Gontrol of complex development operations using a critical path method (introduction to the "Fart-Time" system). Vy.h. sist. no.11:27-54 '64 (MIRA 18:1)

AVDEYEV, Yu.G., inzh.; BELONOZHKO, A.F., insh.

Determination of the optimum diameter of boreholes in drilling with rock drills. Shakht. stroi. 7 no.6:17-19 Je '63. (MIRA 16:7)

1. Vsesoyuznyy nauchno-issledovatel skiy institut tsvetnykh metallov (for Avdeyev). 2. Trest Svinetsshakhtostroy (for Belonozhko).

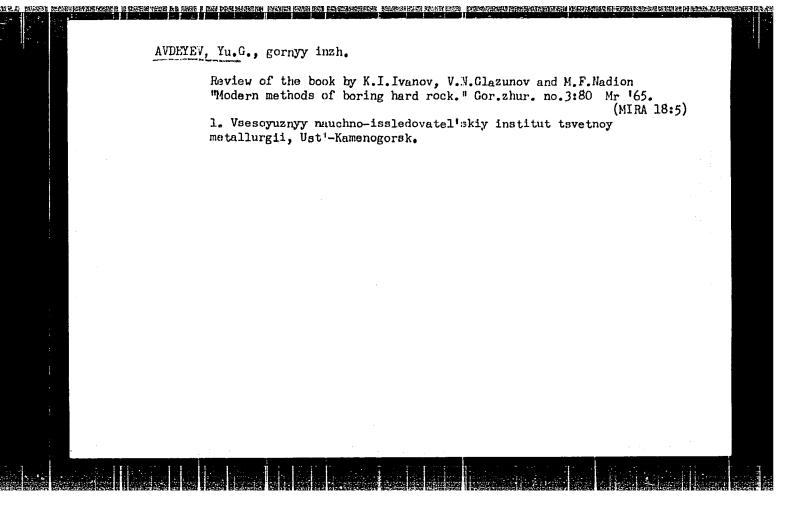
(Rock drills)

AVCEYEV, Yu.G.; WORONIN, V.S.; KOROSTYLEV, N.P.; SMIRNOV, V.G.;
PUSTOVAICIV, A.I.; CHEBOTYREV, B.A.; ZENKOV, B.N.; KARABACH, T.L.

Determining the efficiency of various ways of charging boreholes along the contour of a mine working. Shakht. stroi. 8 no.10: 19-21 0 '64. (MIRA 17:12)

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1. Vsesoyuznyy nauchno-issledovatel'skiy institut tsvetnoy metallurgii (for Avdeyev, Voronin, Korostylev, Smirnov).
2. Rudnik imeni XKII s"yezda Kommunisticheskoy partii Sovetskogo Soyuza Zyryanovskogo kombinata (for Fustovalov, Chebotyrev, Zenkov, Karabach).



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### AVDEYEV, YU I.

2788. Vozniknovenie, i razvitiye veimarskoy respubliki M. 1954, 19c. 21cm. (Mosk. ordena Lenima Gos. un-T im. M. V. Lomonosova Yurid Fak.) 100 ekz. B.Ts.- (54-56699)

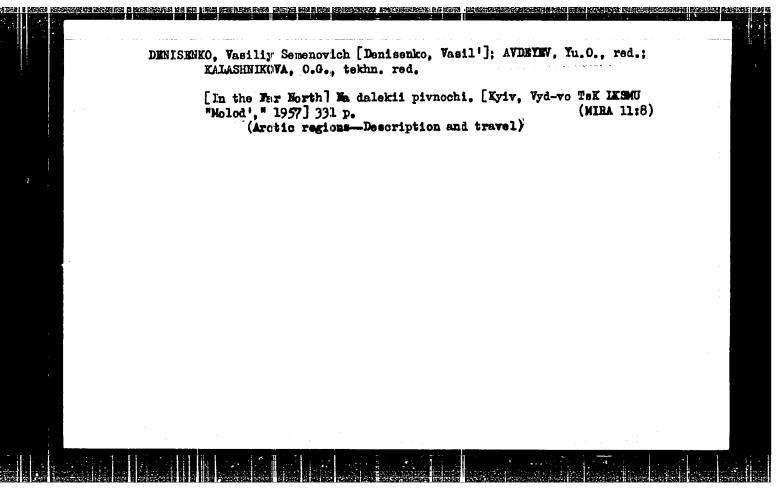
SO: Knizhnaya Letopis, Vol. 2, 1955

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# AVDEYEV, Yu.I.

Dynamics of pathomorphological changes in the kidneys and lungs in acute amyl alcohol poisoning. Sud.-med. eksper. 7 no.1:22-24 Ja-Mr'64 (MIRA 17:4)

1. Kafedra sudelnoy meditsiny ( zav. - dotsent Z.I. Safonova) Cmskogo meditsinskogo instituta imeni M.I.Kalinina.



BOBOSHKO, Konstantin Klement'yevich; AVDEXEV, Yu.O. [Avdiciev, IU.O.], red.; TMCHISHRIA, N.A. [TymcKyshyna, N.A.], tekhn. red.

[Pulse of the seven-year plen; studies on new machinery and their creators] Pul's semyrichky; naryey pro novu tekhniku ta li tvortsiv. Kyiv, Vyd-vo TsK LKEMU "Holod'," 1961. 146 p. (MIRA 15:3)

(Tachnology) (Suggestion systems)

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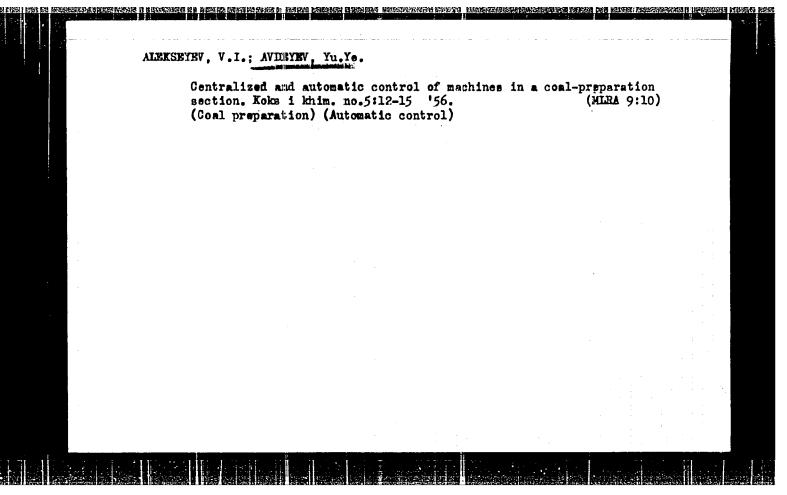
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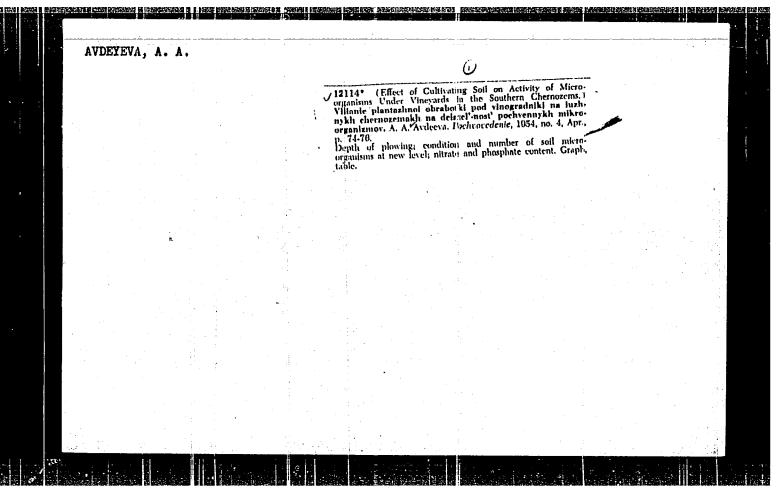
AVDEYEV, Yu.C. [Avdiciev, IU.C.], red.; KALASHNIKOVA, O.G.

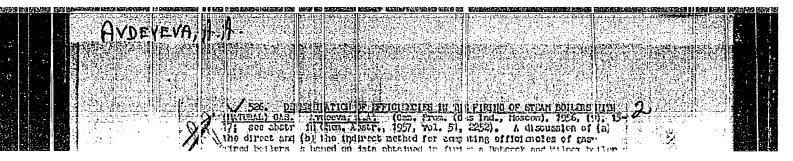
[Kalashnykova, O.H.], tekhn. red.

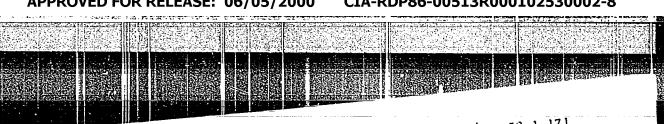
[Mighty army of a Great Nation; young people about the Armed Forces of the U.S.S.R.] Mohutnia armiia Velikoho Narodu; molodi - pro stroini syly SRSR. Kyiv, Molod', 1963. 85 p.

(Russia--Armed Forces)









sov/112-53-1-171

Translation from: Referativnyy zhurnal, Elektrotekhnika, 1958, Nr 1, p 20 (USSR)

TITLE: Balance Tests of a Boiler Operating With Variable-Composition Gas Fuel AUTHOR: Avdeyeva, A. A. (Balansovyye ispytaniya kotla pri rabote na gazoobraznom toplive peremennogo

PERIODICAL: Naladochn. i eksperim. raboty ORGRES, 1956, Nr 13, pp 9-16 ABSTRACT: Moscow gas consisting of coke gas, natural gas, petroleum gas and water gas, was burned in a fire box of 200 m<sup>3</sup> (with the back and side walls screened) under the boiler of 65 t/h, 23 atm gauge, 385°C. Effect of boiler load within 35-55 t/h, on surplus air  $\propto 1.25-1.15$ , on heat loss  $q_2 = 5-6\%$  and q<sub>3</sub> = 0.3-05%; on gross boiler efficiency 92.5-93.0% was determined. From the relationship GC2 = f (%) obtained for each individual gas and for the mixture (CO<sub>2max</sub> = 10.5-12.5%) it follows that, with a variable gas composition, cannot be kept in a definite relation to  $GO_2$ , i.e., the percentage of  $GO_2$  content in

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SOV/112-58-1-171

Balance Tests of a Boiler Operating With Variable-Composition Gas Fuel

the combustion products cannot serve as a characteristic of burning conditions in the boilers operating on variable-composition fuels. It is suggested that combustion be maintained on the basis of O<sub>2</sub> content in the combustion products which is practically independent of the fuel composition. To evaluate heat losses associated with combustion products, Professor Ravich's method is recommended, which is based on the heat capacity of fuel defined as the maximum combustion temperature at C = 1 and assumes that all heat is consumed by the combustion products. The above method saves time in calculating the heat balance compared with the conventional method; fuel analysis and determination of its calorific value become unnecessary; there is no need to determine the weighted mean specific heat of combustion products.

F. I. A.

AVAILABLE: Library of Congress

Boilers—Operation
 Mathematics

2. Boilers--Test methods

3. Fuels--Performance

Card 2/2

AUTHOR:

Avdeyeva, A.A. Engineer

SOV/96-58-6-4/24

TITLE:

Some test results on boilers working on gaseous fuel. (Nekotorye rezul'taty ispytaniy kotlov, rabotayushchikh na gazoobraznom toplive)

PERIODICAL:

Teploenergetika, 1958, ... No.6. pp. 21-30 (USSR)

ABSTRACT;

This article gives the results of tests on boilers under operating conditions when burning gas from the Shebelinsk field and Moscow town gas. The boiler furnace chambers were originally intended for pulverised fuel. The normal operational instruments were used and additional gas analyses were made. Heat balances were calculated by a simplified procedure. Gas from the Shebelinsk field was analysed with the results given in table.1. The calorific values was 9050 kcal/m<sup>3</sup> at N.T.P. (0°C, 760 mm Hg). The first boiler tested was type TP-150, working at 35 atm. and 425°C. For conversion to natural gas, its six Babcock-Taganrog Boiler Works burners were replaced by the ' type illustrated in fig.1, with central gas-delivery. Details of the fitting of the burners to the furnace are given. Operation was unsatisfactory and much smoke was formed. The tips of the burners were modified by providing a large number of holes instead of slots, and other modifications were made. The boiler tests were then undertaken, with the results given in table.2. and fig.2. The results are fully discussed, but may be summarised by saying that

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Some test results on boilers working on gaseous fuel. SOV/96-58-6-4/24

the burners with central gas-delivery worked unsatisfactorily on this boiler under the given conditions. A similar boiler, type TP-150 was fitted with combined fuel-gas burners with central gasdelivery, as shown in fig.1., but also worked unsatisfactorily. During major overhaul in June 1957, burners with peripheral gasdelivery, as illustrated in fig.3., were fitted. This yielded the results given in table.2. and fig.4. In summary, the discussion of the results indicated that, on boiler type TP-150, these burners considerably improved the efficiency of combustion as compared to those with central gas-delivery. Nevertheless, the operation of the two boilers was not entirely satisfactory. Tests were made on a boiler 67-2-SP of 230 tons/hr, 100 atm and 510°C fitted with slottype burners. The furnace was intended for burning pulverised anthracite dust with liquid ash-removal. Multi-nozzle was burners of the type illustrated in fig.5. were fitted in the embrasures of the main solid-fuel burners. The gas ducting of the combined Zas/solid-fuel burner is illustrated in fig.6. The test results on this boiler are given in table. 3. and fig. 7. The discussion of them may be summarised by saying that these burners did not ensure complete combustion of the gas. Tests were made on a Borsig-type boiler of 90 tons/hr, 32.5 atm., and 400°C., originally intended for burning pulverised fuel, but fitted with burners with peripheral

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Some test results on boilers working on gaseous fuel. SOV/96-58-6-4/24

gas-delivery, as illustrated in fig.5. They were examined after operating for 3g months. The gas chambers had then burned away and some gas was burning in the space between the gas chamber and the furnace lining. The test results are given in table.4. and fig.9. Combustion of the gas was incomplete. Tests were also made on a Borsig-type boiler of 75 tons/hr, 32 atm and 400°C, with burners intended for gas only. These are illustrated in fig.10. and consist of two vertical headers each with 190 holes of 6 mm diameter. The test results are given in table.4. and fig.9. curve.2. Combustion of the gas was again incomplete. The next tests used a boiler type TP-230 burning Moscow town gas, and analysis of which is given in table.5. The boiler delivered 230 tons/hr at 100 atm and 510°C, and had six Babcock-Taganrog Boiler Works burners with central gasdelivery, the type illustrated in fig.1. The test results given in table.6. showed that this boiler worked satisfactorily; operation was stable and soot and smoke formation were not observed. Since the tests were made on different boilers under different conditions, they cannot provide a fully rational basis for selection of burner design. However, none of the burners ensured complete combustion of gas over the entire working range of excess-air factor. Heat losses greater than 1.4% due to incomplete combustion show that the flows of gas

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Some test results on boilers working on gaseous fuel. SOV/96-58-6-4/24

and air are not properly mixed. The burners may be classed in two groups, according to the manner of mixing the gas and air. The first group includes those in which the flows of gas and air meet in the furnace chamber at the outlet of the embrasure. The best results with this group were obtained on burners with central gasdelivery when the ratio of the dynamic head of air to that of gas was 1.25, and on multi-nozzle type burners when this ratio was 0.66. Very poor combustion was obtained on burners with central gasdelivery when this ratio was 0.04. The second group is that of burners in which the gas and air flows meet in the actual embrasure. Here the best performance was by burners with peripheral gas-delivery and a dynamic head ratio of 0.07; the worst occurred with vertical burners and a ratio of 0.32. It follows that the best head ratio of air to gas depends on the type of burner. For simplicity of construction, and ease of operation and repair, burners with central gas-delivery are best. In some cases they have been installed without stopping the boiler. Multi-nozzle burners and those with peripheral gas-delivery are much more complicated. Further work will be done to study the relationship bestween the efficiency of combustion of gas and the dynamic head ratio with various kinds of mixing and with different types of burner installed on a single boiler. There are 6 tables, 10 figures, 3 literature references (Soviet).

ASSOCIATION: ORGRES

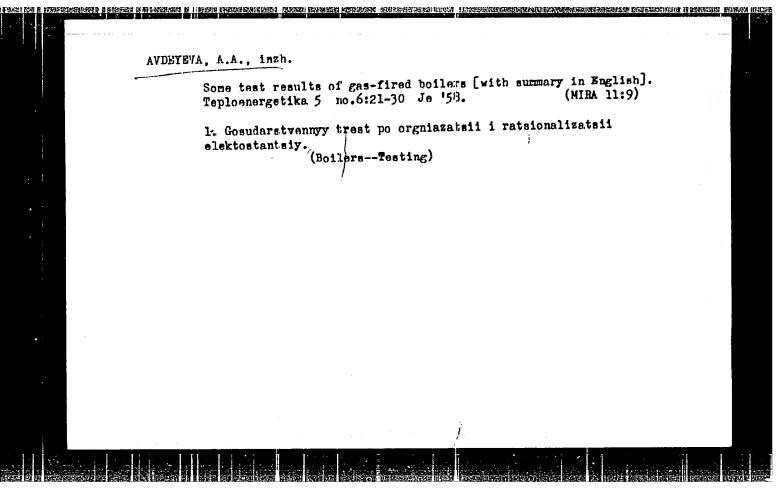
Card 4/4

1. Boilers--Test results 2. Fuels---Performance 3. Gases--Analysis

AVDEYEVA, A. A. (Eng.)

"Several Facts Concerning Experiments by the ORGRES MES (State Trust for the Organization and Efficiency of Electric Power Plants, Ministry of Electric Power Plants) with Boilers Operating of Gaseous Fuel"

(Theory and Practice of Gas Combustion; Transactions of a Scientific and Technical Meeting) Leningrad, Gostoptekhizdat, 1958. 343 p.



8(6)

SOV/112-59-4-6546

Translation from: Referativnyy zhurnal. Elektrotekhnika, 1959, Nr 4, p 21 (USSR)

AUTHOR: Avdeveva, A. A., and Lin'kov, A. N.

TITLE: Some Problems in Gas Fuel Combustion

PERIODECAL: Naladochaye i eksperim. raboty ORGRES, Nr 15, 1958, pp 209-223

ABSTRACT: Tests of industrial plants have shown that in switching boilers from the anthracite culm over to a gas fuel, the superheater-steam temperature drops 25-30°C. In switching boilers from a liquid fuel over to a gas fuel, the superheated-steam temperature rises by 15-20°C. In this connection, to preserve the superheated-steam temperature, it is expedient to burn the gas with a dull flame in the first case, and to burn it with a bright flame in the second case. The efficiency of gas burning that is determined by the chemically incomplete combustion depends on: the relation between the dynamic pressures of air and gas n, the stream turbulent agitation, shape and size of gas-outlet ports, shape and size of embrasure, and other factors. On the basis of tests conducted with four boilers having external-mixing burners and four boilers

Card 1/2

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Some Problems in Burning Gas Fuel

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having internal-mixing burners, the following conclusions are drawn: For various cases of air-gas mixing, optimum values of n vary widely. For an external-mixing burner, the heat loss due to chemically incomplete combustion decreases with increasing n. The best results have been obtained with n = 0.1. With a bright flame combustion, the central-gas-distribution burner should be used; with a dull flame, the preliminary-mix burner should be used. With the vortex-type air supply, the best results were obtained from a peripheral-gas-distribution burner. Within 90,000-140,000 kcal/m³hr in the furnace, the proper burner design would reduce losses due to chemically incomplete combustion to a minimum for both bright and dull flames. The central-gas-distribution burners are most rational as they are simple to manufacture, convenient to mount and repair, and reliable in operation.

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AUTHOR: Avdeyeva, A.A., Engineer

TITLE: The Analysis of Boiler Combustion Products by Gas

Chromatography

PERIODICAL: Teploenergetika 1959, Nr 8, pp 16-20 (USSR)

ABSTRACT: Existing methods of gas analysis are not accurate or quick enough to meet the needs of mcdern power station practice and accordingly ORGRES has been trying to use chromatographic methods of gas analysis. An experimental chromatothermal gas analyser type KhTKhG-1 was developed by the All-Union Scientific Research Institute for Petroleum Prospecting: it is a portable instrument intended for the determination of hydrogen, oxides of carbon, methane, propane, and other hydro-carbons in gas mixtures. Adsorption development chromatography is used to determine the hydrogen, carbon oxide, and methane. The adsorbent is activated charcoal grade AG or KAD, and the desorbent is a flow of air. The basic principles of operation of the equipment are briefly explained. In the gas analyser the

Card 1/4 carrier consists of silica gel grade ASK and diatomite,

SOV/96-59-8-6/27

The Analysis of Boiler Combustion Products by Gas Chromatography

and the solvents are dibutylphthalate and medicinal paraffin; the mobile phase is air. As the gaseous components are recovered from the analyser they are burned by contact with an incandescent platinum wire. The chromatothermal gas analyser consists of three main units; a schematic diagram is given in Fig 1. The function of the first unit is to clean the gas and air prior to analysis, to measure quantities and to establish rates of flow. The second, chromatography unit consists of three tubes of sorbents, one containing activated charcoal, another containing silica gel saturated with dibutylphthalate, and the third diatomite soaked in medicinal paraffin. The third unit is a thermo-chemical gas analyser which determines the thermal effect of burning the gas on the platinum wire. third unit is then discussed. It is based on the principle of an unbalanced bridge, whose circuit diagram is given in Fig 2. The method of operating the gas analyser is explained. A complete analysis to determine the content of hydrogen carbon monoxide and methane takes ten minutes; subsequent Card 2/4 determination of ethane, propane and butane takes 30 minutes,

SOV/96-59-8-6/27

The Analysis of Boiler Combustion Products by Gas Chrometography

and finally with determination of the isomers of propane and butane the total time is 50 minutes. The chromato-thermal gas analyser type KhTKhG-1 was tested at the Heat and Electric Power Station of the Moscow Power Institute. instrument was first calibrated using a recording potentiometer type EPP-09 to chart the results. Fig 3 shows a typical chromatogram for a gas mixture of the following volumetric composition: hydrogen 0.02%, carbon monoxide 0.04%, methane 0.05%. Similarly Fig 4 is a chromatogram for a mixture of methane 0.5%, ethane 0.5%, propane 0.5%, and butane 0.5%. Analyses of combustion products taken from different boilers when burning Moscow City gas, Moscow brown coal and Chelyabinsk coal are tabulated to show the consistency of the results. It will be seen that the repeatability is good, the greatest differences being: for hydrogen 0.004%, for carbon monoxide 0.005%, for methane 0.007%. Other chromatographic methods might be applied to gas analysis, and thermal treatment might be used in other ways. Fig 5 shows a chromatogram of a mixture containing 0.5% of each of the following gases: hydrogen, carbon Card 3/4 monoxide, methane, ethane, propane and butane. The procedure

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The Analysis of Boiler Combustion Products by Gas Chromatography

was to inject one ml of the mixture into aluminium oxide contained in a coiled metal tube which was then heated to 80°C. The chromatogram was produced by passing air through the coil at a rate of 40 ml/min. The time required to analyse this mixture was only 5 minutes. The method may be used to analyse complicated mixtures of hydrocarbons. It is concluded that gas chromatography should be used extensively for the analysis of gas in power stations. The method is more accurate than existing methods and can determine quantities down to 0.01% by volume with an error not greater than 5%. The time required to determine hydrogen carbon monoxide and methane is only ten minutes. There are 5 figures, 1 table and 6 Soviet references.

ASSOCIATION: ORGRES.

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AUTHOR:

Avdeyeva, A.A., Engineer

TITLE

The use of gas chromatography for the analysis of

combustion products

PERIODICAL: Teploemergetika, no. 11, 1961, 37-42

TEXT: Several types of chromatographic equipment for gas analysis have been developed in the USSR but as yet none is specially designed for the analysis of combustion products, which has a number of special features. In existing designs, the column is filled with activated charcoal which can adsorb both combustible and certain incombustible gases. In particular, the adsorption properties of activated charcoal relative to carbon monoxide, oxygen and nitrogen are very similar and the three gases are evolved from the column almost simultaneously and so they are difficult to separate. Again, Soviet chromatographs commonly use detectors based on the thermal effect on burning the combustible components of the gas mixture on a platinum wire that forms part of a Wheatstone bridge circuit. Incombustible gases can affect the result insofar as they are of different thermal conductivity.

Card 1/7

27910 \$/096/61/000/011/003/006 £194/£155

The use of gas chromatography

Usually the gas is blown through the column with air and the platinum wire is maintained at a temperature of 650-750 °C. this temperature the thermal conductivity of oxygen is greater than that of air, whilst that of nitrogen is less. Thus, if the gas to be analysed contains nitrogen and oxygen in the same proportions as in air the instrument does not react to them at all; if there is more nitrogen a positive nitrogen peak is shown, and if more Carbon dioxide can give similar oxygen a negative oxygen peak. anomalous effects. A brief review is given of various attempts that have been made to overcome these disficulties, but none of Work on the use of gas them are without their defects. chromatography to analyse combustion products was carried out in the laboratory for the Intensification of Furnace Processes of ENIN AS USSR. The object was to find methods of separating carbon monoxide, nitrogen and oxygen so as to be able to determine accurately in the presence of nitrogen in any proportions. seeking ways of improving the separation, special attention was paid to column geometry and it was found that satisfactory separation could be obtained on a column with an internal diameter With these of 3 mm and a length of 3.5 m with air sweep. Card 2/7

27918 \$/096/61/000/011/003/006 £194/£155

The use of gas chromatography ....

proportions the presence of nitrogen in the sample does not interfere with the determination of carbon oxides, whether or not the mixture contains  $CO_2$  and  $O_2$ . With a column of these proportions the sensitivity to methane is poor, being about 0.1% CH4 by volume. When the methane content must be determined accurately the column should be split into two parts connected in series, the total length remaining 3.5 m and the second part being Arrangements are made to introduce a sample between the sections. A test is first run in the ordinary way with a column length of 3.5 m. Then if it is necessary to determine a concentration of  $\text{CH}_4$  less than 0.1% a second sample of the mixture is introduced at the intermediate sample point. The effective column length is 1 m. A column of this construction may be used in a portable gas analyser, which is briefly described. The air first passes through a filter in which it is dried and cleaned, then it picks up the gas sample and passes through the column. The separate components of the analysed mixture reach the detector where they burn in turn om a platinum wire, thus unbalancing a bridge and causing the deflection of an imstrument. Card 3/7

2791b S/096/61/000/011/003/006 E194/E155

of this kind can easily be made in quite a small laboratory. Separation of a mixture is improved when the sample is small. The lower limit of sample size depends upon the sensitivity of the detector, and with the equipment described it is 0.5 - 1 m/ for rich mixtures. The maximum sized sample which can be adequately The method of introducing the sample is most separated is 10 m/, important and in particular the sample should be introduced as close as possible to the column so that it reaches the adsorbent quickly. The best way of driving the sample from the sample tube to the equipment is by liquid displacement, and laboratory equipment used for this purpose is described. Liquid displacement methods of sampling have their disadvantages, principally because some liquid is left behind in the calibrated volume. A dry sampling tube is described in which by means of a four-way tap the flow of gas may be directed through the sampling tube or may by-pass it. The methods described are particularly convenient for mobile installations. It is convenient to use the standard portable gas analyser type Wf Pall (PGF-11) as a platinum-wire detector. A pointer-type micro-ammeter is connected across the Card 4/7

RESIDENCE DE LA COMPANSE DEL COMPANSE DE LA COMPANSE DEL COMPANSE DE LA COMPANSE DEL COMPANSE DE LA COMPANSE DEL COMPANSE DE LA COMPANSE DEL COMPANSE DE LA COMPANSE DEL COMPANSE DE LA COMPANSE DEL COMPANSE DE LA COMPANSE DE LA COMPANSE DE LA COMPANSE DEL COMPANSE DE LA COMPANSE DE LA COMPANSE DE LA COMPANSE DE LA COMPAN

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The use of gas chromatography .....

bridge in parallel with an electronic potentiometer type 300-09 (EPP=09) with a scale of 5 mV. The voltage applied to the bridge is maintained constant and depends upon the problem in hand. Each component of the mixture reacts differently to increase the temperature of the platinum wire, as is illustrated by the graphs of Fig.5. In this figure the instrument deflection (in mm) is plotted against the voltage applied to the bridge. The rate of air flow was 40 m //min, and the column dimensions were 2 = 3.5 m, Curve 1 corresponds to H2, 0,1%; curve 2 to CO, 0.3%; curve 3 to CH4, 0.6%. Curve 4 relates to a column of It will be seen that the character d = 3 mm, with 100% mitrogen. of the curves is different for the different gases. In particular, methane is detected only if the voltage is greater than 1.7 V. The shape of these curves explains the lack of success in developing an instrument to indicate total under-combustion in combustion products. In practice, a voltage of over 2 V is used only when methane must be detected, because the wires quickly burn If it is required to detect only CO out at voltages above 2.4. and H2 a voltage of 1,4 V is sufficient. The instrument is calibrated with a gas mixture containing known proportions of the Card 5/7

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The use of gas chromatography .... \$\$\\$ \frac{5}{096/61/000/011/003/006} \\ \frac{194}{155} \\ \frac{1}{1000} \\ \frac{1}{10000} \\ \frac{1}{1000} \\ \frac{1}{1000} \\ \frac{1}{1000} \\ \frac{1}{1000} \\ \frac{1}{1000} \\ \frac{1}{1000} \\ \frac{1}{10000} \\ \frac{1}{1000} \\

substances to be analysed. The laboratory uses a volumetric method of making concentrated mixtures, followed by dilution. The accuracy of the final result depends, of course, on the accuracy of making up the standard mixture and it is considered that the overall accuracy is 0.05%. Because of its simplicity and high accuracy gas chromatography will be more widely used for the analysis of products of incomplete combustion in research institutes and power stations. However, the method requires further detailed and general study.

There are 5 figures and 6 Soviet-bloc references.

ASSOCIATION: ENIN AN SSSR (ENIN AS USSR)

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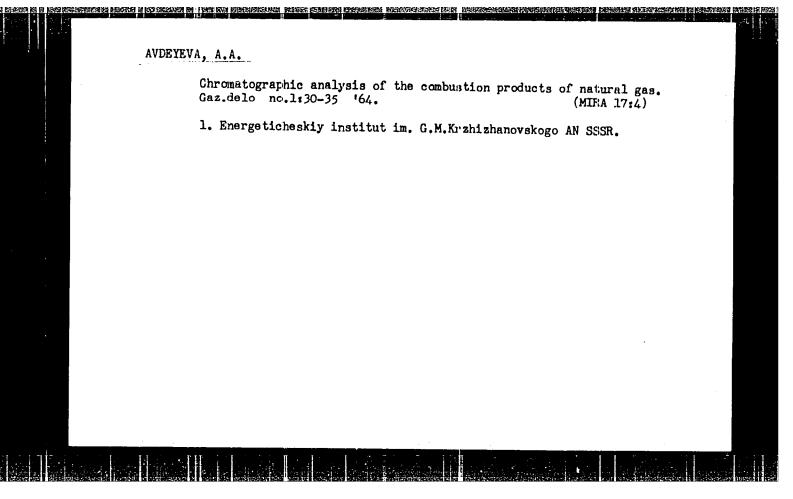
Card 6/7

AVDEYEVA, A.A., inzh.

Gas burner with central gas feed. Teploenergetika 9 no.3:38-41
Mr '62. (MIRA 15:2)

1. Gosudarstvennyy trest po organizatsii i ratsionalizatsii rayonnykh elektrostantsiy i setey.

(Gas burners)



AVDEYEVA, A.A., inzh.; FETISOVA, V.N., tekhnik

Preparation of control mixtures for calibrating chromatographic gas analyzers. Teploenergetika 11 no. 1:94-96 Ja '64. (MIRA 17:5)

1. Energeticheskiy institut im. G.M.Krzhizhanovskogo.

THE CHILD BEFORE CONTROL AND THE CONTROL OF THE CON

AVDEYEVA, A.A., inch.; VETKINA, G.I., inch.

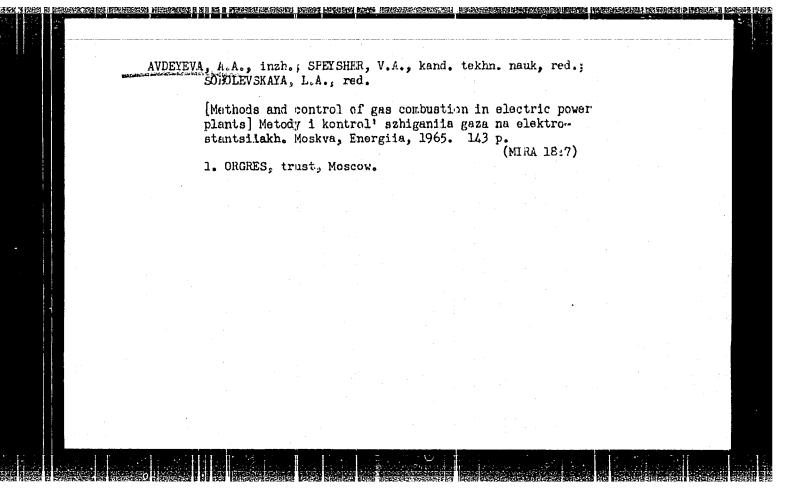
Distortion of the sample of combustion products after the determination of oxygen using VII and ORSA apparatus.

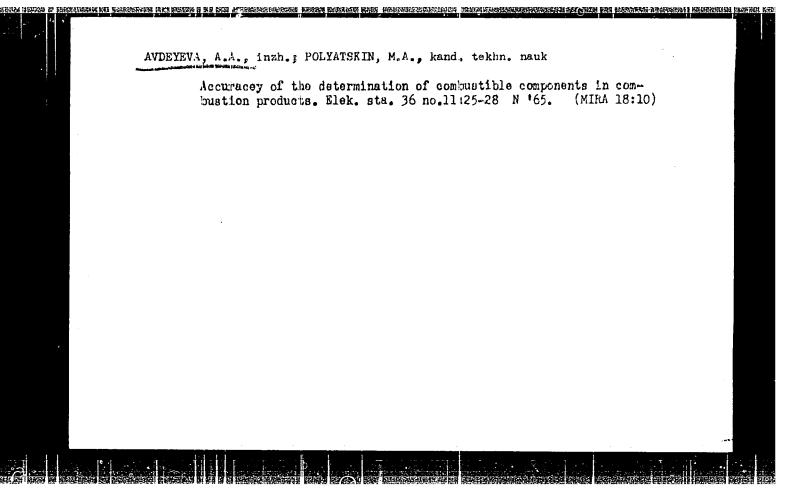
Teploenergetika 11 no.5:93-94 My 64. (MIRA 17:5)

AVDEYEVA, A.A., inzh.

Rffectiveness of burning mazut. Elek. sta. 35 no.5:79-80 My \*64. (MIRA 17:8)

1. Energeticheskiy institut im. Krzhizhanovskogo AN SSSR.



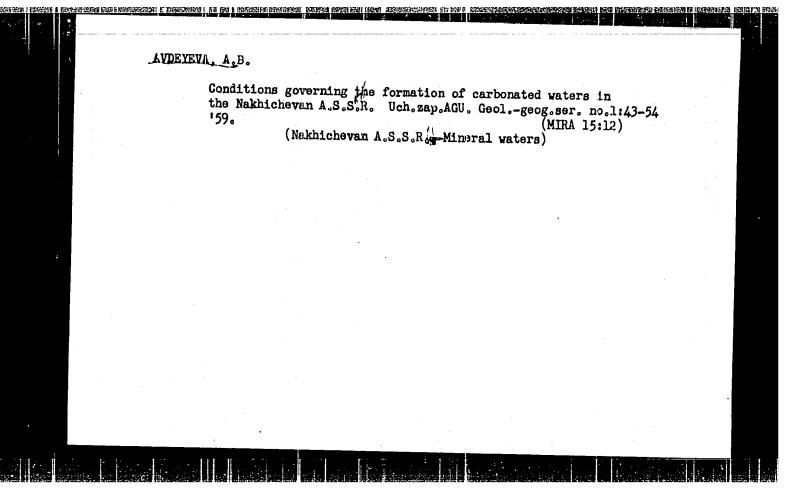


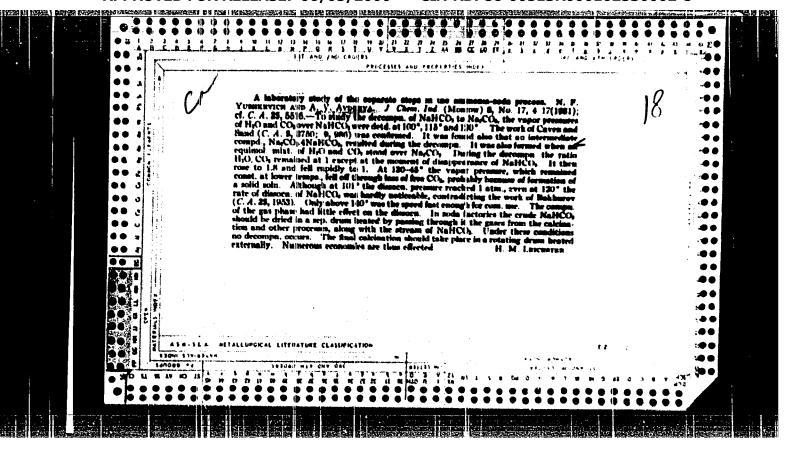
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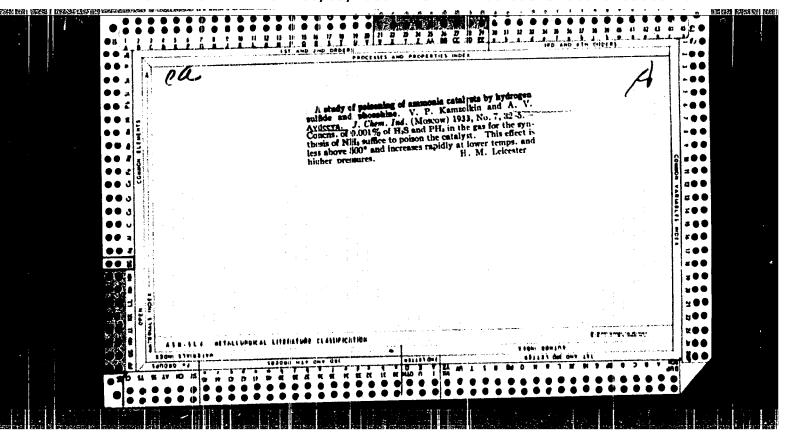
E 30785-66 EWT(m)/EWP(t)/ETI IJP(c) JD/WB ACC NR: AP6022097 SOURCE CODE: UR/0096/66/000/004/0088/0090 AUTHOR: Avdeyeva, A. A. (Engineer) ORG: Power Institute im. G. M. Krzhizhanovskiy (Energeticheskiy institut) TITLE: Using the chromatographic method for checking corrosion processes SOURCE: Teploenergetika, no. 4, 1966, 88-90 TOPIC TAGS: corrosion, corrosion protection, gas chromatography, water ABSTRACT: In the determination of the corrosive agents involved in power station corrosion problems, as well as the determination of the concentration of corrective additives -- ammonia and hydrazine -- the methods currently used are not sufficiently sensitive. This article presents a description of the analytical portion of work now going on at the author's institute in connection with possible use of a chromatographic method for such analyses. In their method, air is made to bubble through a sample of the water to be analysed for a time, until there is generated on top of the liquid an equilibrium gas phase which can be analysed chromatographically. It was found that 40 minutes of recirculation bubbling was sufficient to establish equilibrium, so 60 minutes were used in all further experiments to insure accuracy. The device, with proper substitution of adsorbents in the gas chromatograph column, could be used for the determination of hydrogen, carbon, exygen and nitrogen in water samples. Orig. art. has: 7 figures. [JPRS] SUB CODE: 13, 07 / SUBM DATE: none / ORIG REF: 003 /

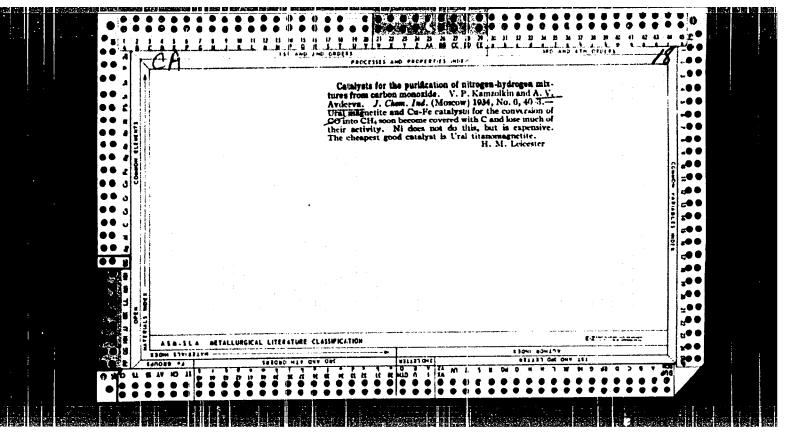
AVDEYEVA, A. B. . CAND GEOL-MINER SCI, "THE HYDROGEOLOGY OF THE PRINCIPAL DEPOSITS OF CARBONAGEOUS WATERS OF THE NAKHICHEVANSKAYA ASSR. MOSCOW, 1960. (MIN OF HEALTH USSR. CENTRAL SCI RES INST OF HEALTH RESORT SCI AND PHYSIOTMERAPY). (KL, 2-61, 201).

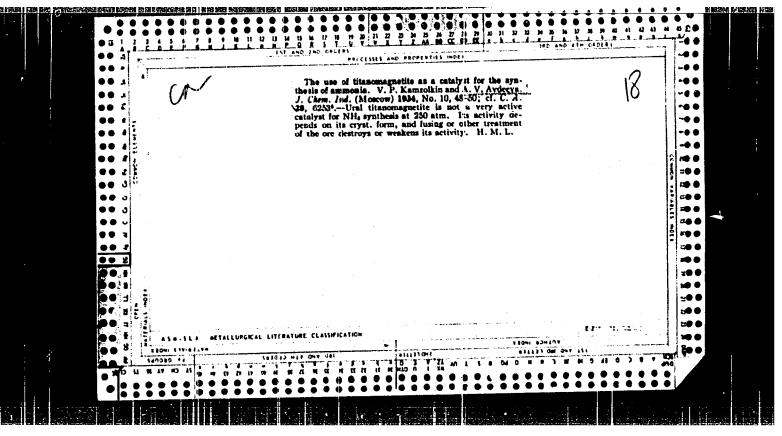
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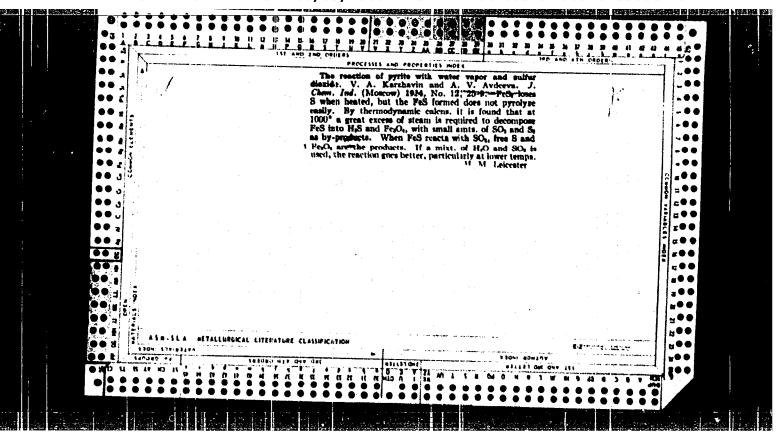


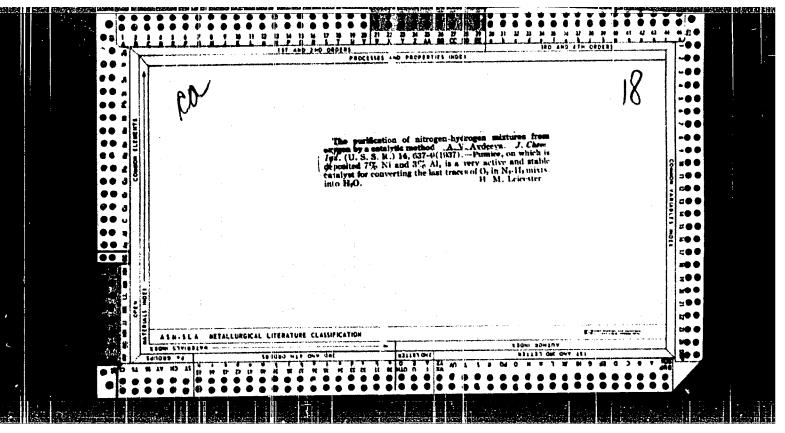


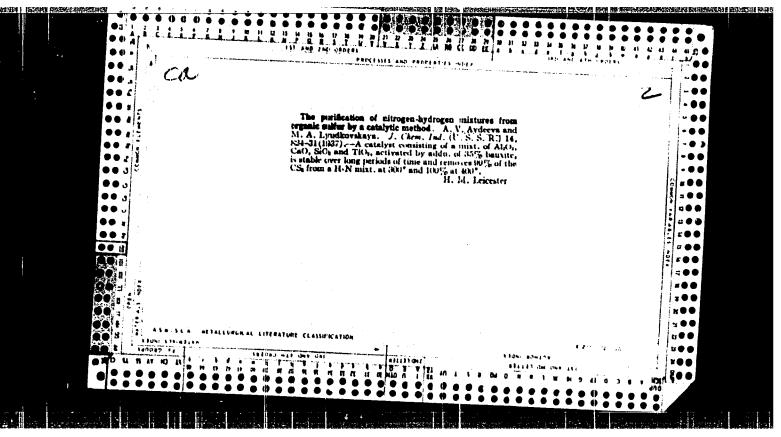


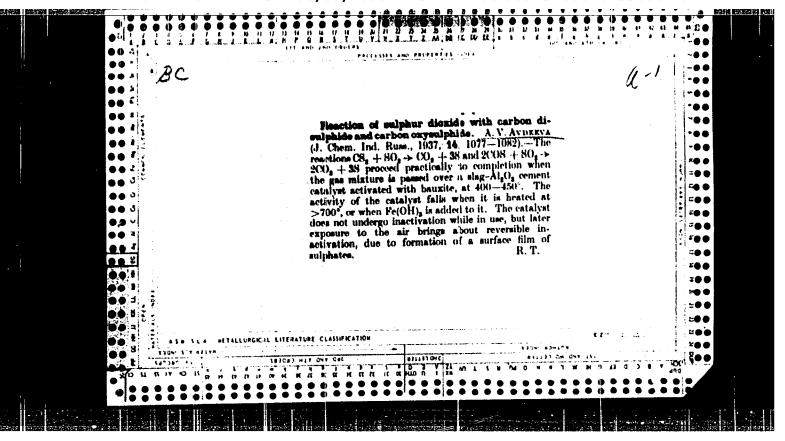


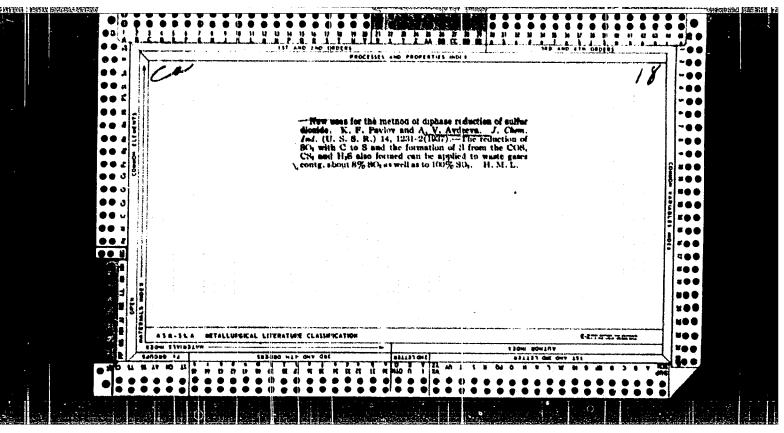
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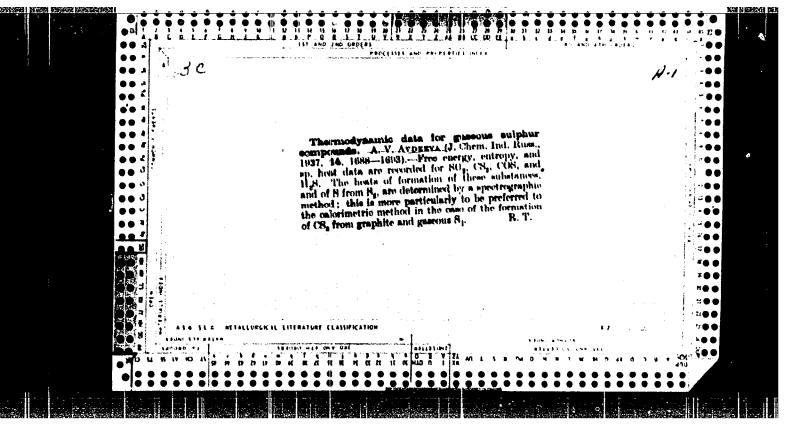


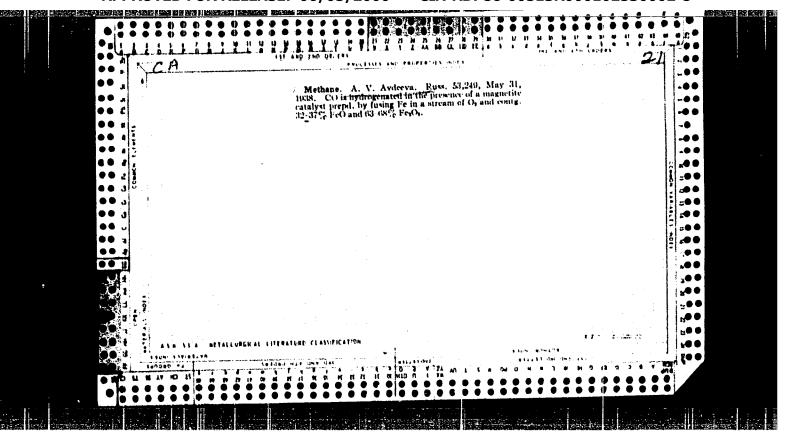


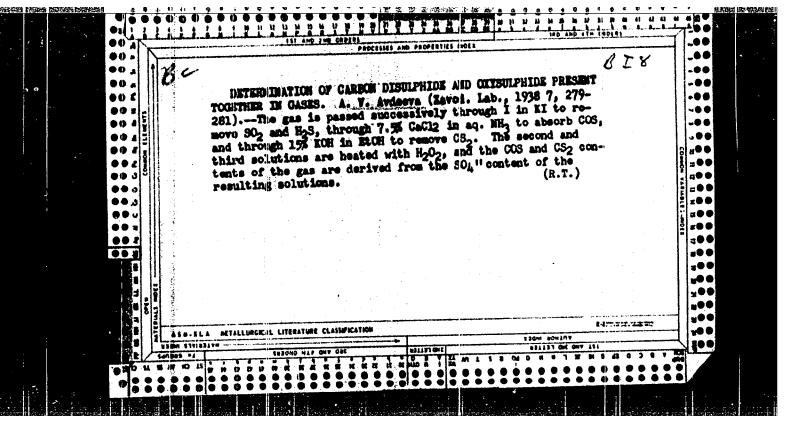


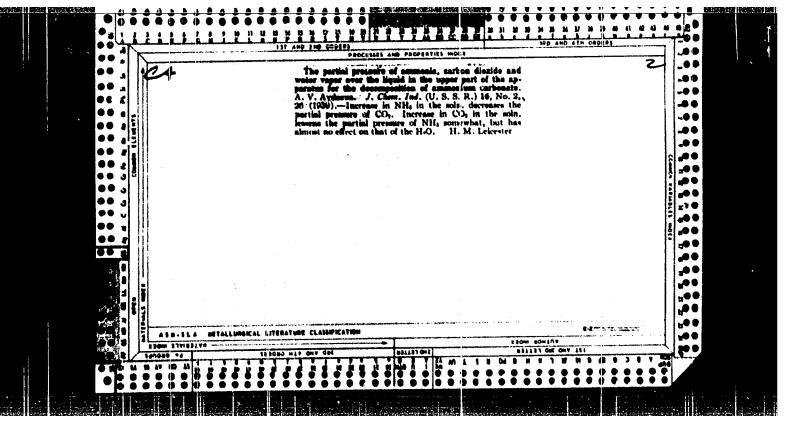


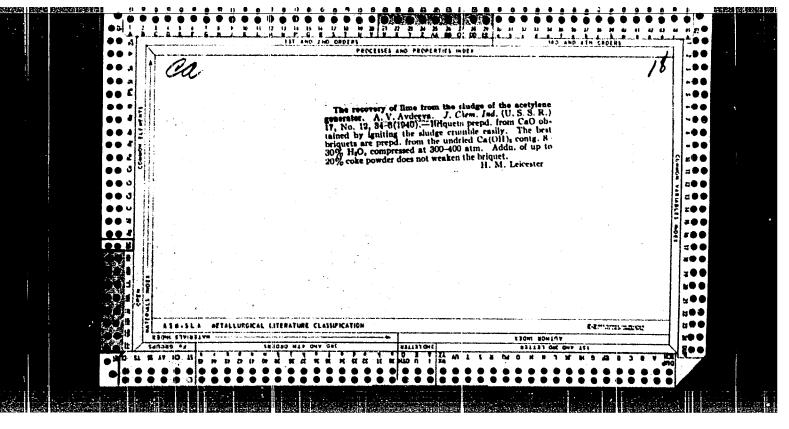


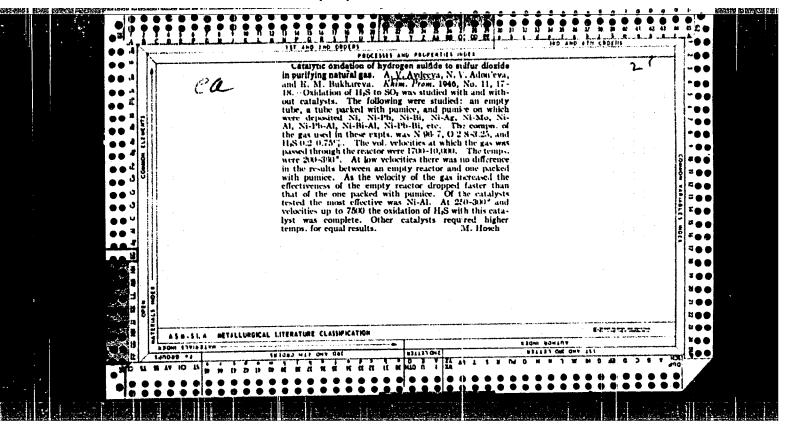




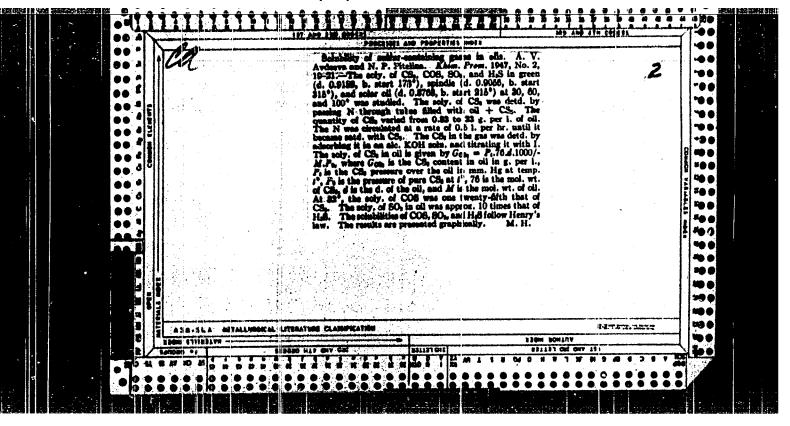








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AVDENEYA,A.V., professor, doktor tekhnicheskikh nauk; PITELINA,N.P.,
inzhener

Solubility of sulfur gases in various cils. Khim.prom. no.2:51-53
F '47. (MLRA 8:12)

1. TSentral'naya nauchno-issledovatel'skaya laboratoriya "NIOGAZ"

(Sulfur compounds) (Solubility)

Gazovaya sera. (Sulfur frem outgoing gas) Moskva, Goskhemizdat, 1950.

106 p diagrs., tables.

"Literatura" at the end of each chapter.

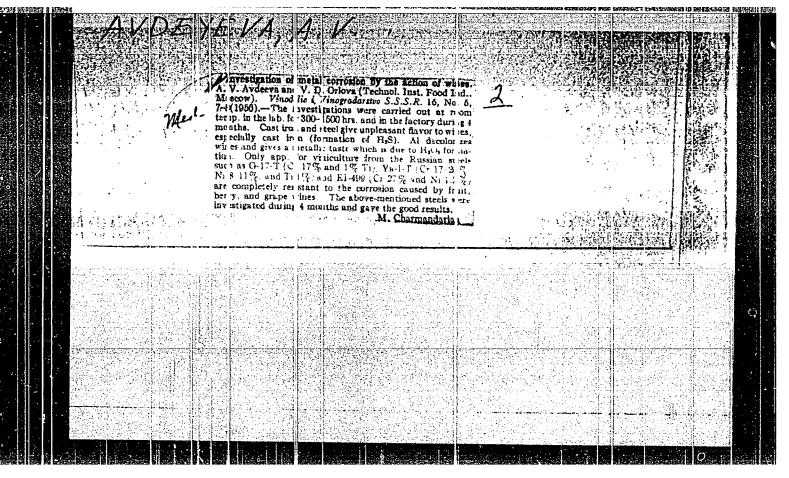
A description of technological methods for the extraction of sulfur from sulfide ores and gases, as well as methods for reprocessing of sulfurous anhydrides and hydrogen sulfides into elemental sulfur. Lists also main productional systems for sulfur from gas and methods for analytical control of rocesses.

HEVIN, I.A.: AVERTEN AND KOVAIRNEO, N.P.

AND THE PERSON OF THE PERSON O

Corrosion of arsenic-soda apparatus of desulfurating installations. Khim.prom.no.4:237-239 Je 56. (MLEA 9:10)

1.Gosudarstvennyy nauchno-issledovatel'skiy institut promyshlennoy i sanitarnoy ochistki gazov. (Corrosion and anticorrosives) (Arsenic) (Sulfur)



# AVDNYHVA, A.V.; TSYGANOVA, P.A.; SOSNOVSKIY, L.B. Studying the corrosion resistance of materials for making apparatus used in the production of pectin from beet pulp. Ehleb. 1 kond. prom. (NEA 10:6) 1. Moskovsky's tehnologicheskiy institut pishchevoy promyehlennosti (for Avdsygym and Tsyganova), 2, Vessoyusnyy konditerskiy nauchnoiseledovatel skiy institut (for Sonnovskiy). (Pectin) (Corrosion and anticorrosives)

Alleyeva, A. B.

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137-1957-12-24542

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 12, p 228 (USSR)

AUTHORS: Avdeyeva, A. V., Sokolovskiy, A. L., Tsyganova, P. A.

TITLE:

Corrosion Resistance of Metals in Sugar and Caramel Syrups (Korrozionnaya stoykost' metallov v sakharnykh i karamel'nykh siropakh)

PERIODICAL: Khlebopek, i konditersk, prom-st', 1957, Nr 4, pp 12-14

ABSTRACT:

Some results of corrosion experiments conducted on various metals in the preparation of caramel under both laboratory and industrial conditions. The degree of corrosion was determined by the weight method. Sugar (pH 2.87; 3.14) and caramel (pH 6.22; 6.14; 2.81; 2.12) syrups were investigated as the corroding media. Tests in the plant apparatus have demonstrated that steel 3 is unsuitable either for syrup made of crumbs or for caramel syrup. Cu is unsuitable for syrup made of crumbs, whereas Cr and Cr-Ni steels are corrosion resistant in the media mentioned.

Card 1/1

O. P.

1. Caramel syrup-Corrosive effects 2. Sugar syrup-Corrosive effects 3. Metals-Corrosion-Test results

AVDEYEVA, A.V.

137-58-5-10155

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 5, p 181 (USSR)

Avdeyeva, A.V., Sokolovskiy, A.L., Tsyganova, P.A. AUTHORS:

TITLE: An Investigation of the Corrosion Resistance of Metals in the

Confectionery Industry (Issledovaniye korrozionnoy stoykosti

metallov v konditerskom proizvodstve)

Tr. Mosk. tekhnol. in-t pishch. prom-sti, 1957, Nr 10, PERIODICAL:

pp 96-103

ABSTRACT: A study is made of the corrosion resistance of Zh-17-T,

Ya-1-T, and St 3 steels and of Al and Cu, at 120°C, in the following aggressive mediums: 1) sugar syrup with 1% added lactic and 1% added citric acid, pH 2.87; 2) invert syrup, pH 3.14; 3) caramel syrup on molasses base, pH 6.22 and 2.8; 4) caramel syrup on invert sugar base, pH 6.14 and 2.12. Zh-17-T steel proved fully resistant to all these mediums. Ya-1-T steel was less stable. St 3 steel was totally unstable. Al starts to corrode in acid caramel syrup. Cu corrodes in acidified syrups. Shop tests showed that steels Zh-17-T and Ya-1-T are completely stable in a medium of caramel crumbs and caramel

Card 1/2 syrup and are suited for the fabrication of cooking tanks. Studies

137-58-5-10155

An Investigation of the (cont.)

are made of the corrosion strength of metals in caramel mass with 1% lactic and 1% citric acids added (at 145°C), in caramel fillings (1 part apple puree plus 1 part sugar at 95°) and in reboiled preparations of apples, apricots. and alycha [a member of the damson plum family; Transl. Ed. Note] (at 120°). Zh-17-T steel and Al are completely stable in caramel mass. Ya-1-T and Cu become corroded. St 3 steel is completely unstable.

T.A.

1. Metals--Corrosion 2. Industrial plants--Equipment

Card 2/2

SOV/137-58-11-23042

Translation from: Referativnyy zhurnal. Metallurgiya, 1958, Nr 11, p 173 (USSR)

AUTHORS: Avdeyeva, A. V., Sokolovskiy, A. L., Tsyganova, P. A., Begunova,

Car Beschough Erichterin i da kari Herbricheriker in Herbi Coloragen

Investigation of Corrosion Resistance of Metals in Aggressive Media TITLE:

of Caramel Production (Issledovaniye korroziynoy stoykosti metallov v agressivnykh sredakh karamel nogo proizvodstva)

PERIODICAL: Khlebopek. i konditersk. prom-st<sup>1</sup>, 1958, Nr 2, pp 14-15

A study was made of the corrosion of Zh-17-T and Ya-1-T steels, ABSTRACT: Al, Cu, and St3 steel in a caramel mass, caramel filling (1 part

apple puree + 1 part sugar) and in boiled apple, apricot, and damsonplum purees. Zh-17-T and Ya-1-T steels are resistant in all three media, Al is resistant in the caramel medium, Cu in the caramel filling and in the boiled purees. The addition of 1% citric and 1% lactic acids to the caramel mass and filling does not increase corrosion. The addition into the boiled puree of 2% [a line must have been skipped in the Russian original. Trans. Note ] ..... Cu. Upon

the addition of 2% trioxyglutaric acid to the apricot puree all metals are corroded. Tests under shop conditions showed a good resistance

Card 1/2

SOV/137-58-11-23042

Investigation of Corrosion Resistance of Metals in Aggressive Media (cont.)

of Zh-17-T and Ya-1-T steels in the filling vacuum apparatus. Only Ya-1-T steel is resistant in the storage tank for puree treated with SO<sub>2</sub>, and it can also be recommended for the manufacture of the condenser of the water-jet air pump where SO<sub>2</sub> of various concentrations may always be present.

T. A.

Card 2/2

06219 sov/64-59-6-11/28

5(1)

Avdeyeva, A. V., Burba, A. A.

AUTHORS:

Purification of Gaseous Sulfur of Arsenic by Lime Milk

TITLE:

Khimicheskaya promyshlennost', 1959, Nr 6,

PERIODICAL:

pp 501 - 502 (USSR)

ABSTRACT:

Since only few data are found in publications on the purification of gaseous sulfur of arsenic it has been tried to clarify the influence of the main factors, i.e. CaO concentration, specific consumption of lime milk, duration of scrubbing, etc on the quality of sulfine: purification. Gaseous sulfur " containing 0.4% of As was scrubbed in the laboratory at a pressure of 2.5 atm and 125° in an autoclave in 4 different salt solutions (Table 1), and it was found that scrubbing with lime milk (15 g of CaO/1) for 50 minutes is the best method. Based on these preliminary experiments investigations were carried out on a larger scale, i.e., an amount of 70 to 140 t of sulfur was tested for 24 h. The sulfur was also scrubbed at 1250 and 2.5 atm. in a horizontal, rotating cylinder, with variations in the concentration (10-20 g of CaO/1) as

Card 1/2

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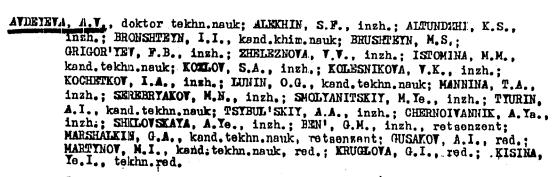
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Purification of Gaseous Sulfur: of Arsenic by Lime Milk SOV/64-59-6-11/28

well as in the ratio lime milk - sulfur; and the duration of scrubbing (Table 2, data of scrubbing with 13 - 15 g of CaO/1 and processing of 100-140 t of sulfur; in 24 h). The best concentration was found to be 15 g of CaO/1, in which case the As content decreases at a working capacity of 70-80 t of sulfur/24 h from approximately 0.011 - 0.013%, and in the case of 100-120 t/24 h from 0.070 - 0.190%. There are 2 tables and 2 Soviet references.

Card 2/2

BILLIELA RESPUENTA EN LOS RESU RESULADO ENCADA DE CONTROL DE CONTR



[Confectioner's manual] Spravochnik konditera. Pod obshchei red. M.I. Martynova. Moskva. Pishchepromizdat. Pt.2.[Technological equipment of the confectionery industry] Tekhnologicheskoe oborudovanie konditerskogo proizvodstva. 1960. 630 p. (MIRA 14:3)

(Confectionery -- Equipment and supplies)

AVDEYEVA, Aleksandra-Vasil'yevna, prof.; OSTROVSKIY, A.I., prof.,
retsenzent; KRASIL'SHCHIKOV, A.I., doktor khim. nauk, retsenzent;
KALMENS, R.I., red.; KISINA, Ye.I., tekhm. red.

[Metal corrosion in the food industry]Korroziia metallov v pishcevoi promyshlennosti. Moskwa, Pishchapromizdat, 1962. 209 p.

(Food industry-Equipment and supplies)

(Corrosion and anticorrosives)

TYURIN, Sergey Timofeyevich, kand. tekhn. nauk; BAZANOVA, Adelaida Ivanovna, nauchn. sotr.; IL'CHENKO, Boris Nikolayevich, nauchn. sotr.; AYDEYEVA, A.V., doktor tekhn. nauk, prof., retsenzent; SKURIKHIN, I.M., kand. tekhn. nauk, retsenzent; CHERNYAVSKIY, N.F., inzh.-konstruktor, retsenzent; SEBKO,G., red.; VASIL'YEV, I., red.

[Frotective coatings of containers in wine making] Zashchitnye pokrytiia rezervuarov v vinodelii. Simferopol', Izd-vo "Krym," 1965. 103 p. (MIRA 18:5)

1. Zaveduyushchiy laboratoriyey Vsesoyuznogo nauchnoissledovatel'skogo instituta vinodeliya i vinogradarstva "Magarach" (for Tyurin). 2. Laboratoriya Vsesoyuznogo nauchno-issledovatel'skogo instituta vinodeliya i vinogradarstva "Magarach" (for Bazanova, Il'chenko).

AVDEYEVA, Aloksandra Vasil'yevna; OSTROVSKIY, A.I., prof.;
KRASIL'SECHIKOV, A.I., doktor khim. nauk; FUES, V.K.,
red.

[Corrosion in food production and measures for its prevention] Korroziia v pishchevykh prozvodstvakh i sposoby zashchity. Moskva, Pishchevala promyshlennost', 1965.
242 p. (MIRA 18.9)

GERSHANOVICH, V.N.; AVDEYEVA, A.V.; GOL'DFARB, D.M.

Release of the enzymes of the glucese transformation system from the spheroplasts of Escherichia coli B obtained under the influence of the "ghosts" of the even series of T phase.

Biokhimiia 28 no.4:700-708 J1-Ag '63. (MIRA 18:3)

1. Institut epidemiologii i mikrobiologii imeni Gamalei AMW SSSR, Moskva.

FRADKIN, G.Ye.; GOL'DFARB, D.M.; IL'YASHENKO, B.N.; AVDEYEVA, A.V.;
VINETSKIY, Yu.P.

Mechanism of radiation injury of the bacteriophage under the indirect action of ionizing radiation. Med. rad. 5 no.12:36-42
'60. (MIRA 14:3)

(BACTERIOPHAGE) (ESCHENICHIA COLI)

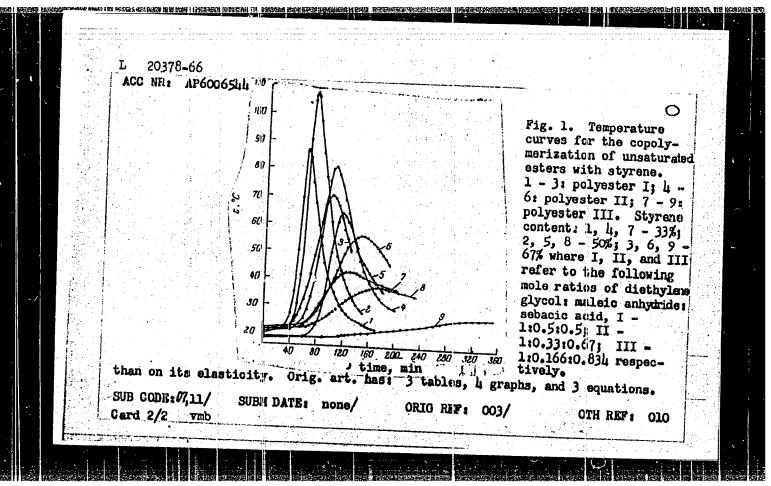
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EEDIN, I.M.; 15, F.J.; GOORIN, Yu.A.; ANDEYEVA, C.M.
Using the viscosimetry mathed for determining the molecular weight of unsaturated polyectars. Flash.massy no.619-10 165.

(MIRA 18:8)

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20378-66 EWI(m)/EWP(j)/T WW/RM ACC NR: AP6006544 SOURCE CODE: UR/0191/65/000/011/0032/0035 (A): AUTHORS: Sedov, L. N.; Li, P. Z.; Avdeyeva, G. M. ORG: none TITLE: Properties of polyesters of diethylene glycol and maleic and sebacic acids and their styrene copolymers SOURCE: Plasticheskiye massy, no. 11, 1965, 32-35 TOPIC TAGS: polyester, resin, polymer, copolymerization, styrene, chemical composition, diethylene glycol, maleic acid, sebacic acid, copolymer ABSTRACT: The influence of the composition on the properties of mixed polyesters of diethylene glycol and maleic and sebacic acids and on their styrene copolymers was investigated. The polymers were synthesized after P. Z. Li and L. N. Sedov (Plast. massy No. 9, 12, 1963). The effect of polymer composition on the molecular weight acid number, hydroxyl number, density, viscosity, density of cross linkages, rate of gelatinization, strength limit, and deformation was determined. The experimental results are presented in graphs and tables (see Fig. 1). It was found that the composition of the polymer had a greater effect on its strength Card 1/2 678.6741410



NIVINSKAYA, M.M.; PICHUGINA, M.N.; AVDEYEVA, I.A.

Short focus skin discharge intradictine X-ray thorapy in compound treatment of cancer of the cervix utori, Med. rad. 10 no.7:19-23 JL 165. (MIRA 18:9)

i. Rentgentorallologicheskly otdel anav. - prof. 1.L. Tager), ginskologicheskly otdel (nav. - nien korrespondent AMN SSSR prof. 1.A. Novikota) i otdel patologicheskoy anatomii opukholey cheloveka (nav. - deystritelingy then AMN SSSR prof. N.A. Krayerskiy) institute akapanimantahinay i klinicheskoy onkologii AMN SSSR, Moskva.

TRAPEZNIKOV, N.N.; AVDEYEVA, I.A.; MUSHEGYAN, S.A.; LEVITSKAYA, L.A.

Experimental basis of chemotherapy of malignant tumors of the extremities by the method of regional perfusion. Vest.AFN SSSR 17 no.6:67-72 '62. (MIRA 15:8)

l. Institut eksperimental'noy i klinicheskoy onkologii AMN SSSR i Institut eksperimental'noy khirurgicheskoy apparatury i instrumentov Ministerstva zdravookhraneniya SSSR.

(EXTREMITIES (ANATOMY)—CANCER) (CHEMOTHERAPY) (PERFUSION PUMP (HEART))

MAYEVSKIT, M.M.; AVDETEVA, I.A.; ROMANENKO, Ye.A.; URAZOVA, A.P.; BONDAREVA, A.S.;

TINOMETRYSHAYA, Ye.A.; MAZAYEVA, V.G.; GOR'KOVA, M.P.; HATSHIMA, N.M.

Aurantin and its effect on experimental tumors. Antibiotiki
4 no.4:43-46 Jl-Ag '59. (MIRA 12:11)

1. Laboratoriya eksperimental'noy bioterapii (zav. - chlenkorrespondent AMN SSSR prof.M.M.Mayevskiy) Institute eksperimental'noy patologii terapii raka AMN SSSR.

(ANTINGOTASTIC AGENTS pharmacol)

(ANTIBIOTICS pharmacol)

ROMANENKO, Ye.A.; AVDEYEVA, I.A.; MAZAYEVA, V.G.

Effect of some antineoplastic antibiotics on induced tumors.
Antibiotiki 9 no.4:348-351 Ap '64. (MIRA 19:1)

1. Laboratoriya eksperimental'noy bioterapii (zav. - chlenkorrespondent ANM SSSR prof. M.M. Mayevekiy) Instituta eksperimental'noy i klinicheskoy onkologii ANN SSSR, Moskva.

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N. A.	R: Rozovskiy, W. M.; Fisher, T. L.; Basharina, Yu. I.; Cheba	kova.
Gavri	Kuz'min, V. A.; Maklyarskaya, A. A.; Avdeyeva, I. D.;	
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AVERBUKH, T.D.; APAKHOV, I.A.; MAYDUROVA, C.V.; BAKINA, N.P.; ELIKOVA, N.P.; BURBA, A.A.; AVDEYEVA, I.V.

Removal of sulfur from waste gases of copper and sulfur plants by the method of afterburning. Khim.prom. no.4:281-283 Ap '62.

[MIRA 15:5)

1. Ural'skiy nauchno-issledovatel'skiy khimicheskiy institut i Mednogorskiy medno-sernyy kombinat.

(Gases—Purification) (Sulfur oxides)

T

Human and Animal Physiology. Metabolism. Country : Category:

Water-salt Metabolism.

Abs Jour: RMBiol., No 19, 1958, No. 88582

Author :

Andeyeva, K.F. Turkien Agricultural Institute Inst

On the Content of Ca, P and Chlorides on the Blood Serum of Karakul, Sheep (Preliminary Report) Title

Orig Pub: Tr. Turka. s.-kh. in-ta, 1956, 8, 81-83

The content of Ca, P and chlorides in the serum of Karakul sheep is lower during the Abstract:

fall-winter season than during; the spiring-summer period. In young and well nourished unuals the quantity of P and Ca was higher than in poorly nourished and old ones; the changes in the Ca

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