

24935

S/188/61/000/004/001/003  
B111/B209

Investigation of the spatial ...

$\vec{v}_1$  the turbulent velocity (Ref. 10: Chernov, L. A., Rasprostraneniye voln v srede so sluchaynymi neodnorodnostyami - Wave propagation in a medium with incidental heterogeneities, Izd-vo AS SSSR, M., 1958). For a considerable number of experiments, the temporal correlation  $q(\tau)$  may be written as  $q = \exp(-\tau/a)$ , where  $a$  has to be determined by experiment. An analogous expression holds for the spatial correlations  $q(l)$ . The authors point out the fact that, in the case of slow wind velocities  $v < 1\text{m/sec}$  and enhanced refractions, the experimental curves are near those expected. When turbulence is great, not only the effect of regular drift but also that of chaotic motion in the atmosphere has to be taken into account in the formation of fluctuations. Investigations at the horizon showed that  $l_0$ , for which  $q(l_0) = 0.5$ , always has the same order of magnitude. There are 6 figures and 10 references: 8 Soviet-bloc and 2 non-Soviet-bloc:

ASSOCIATION: Kafedra rasprostraneniya radiovoln (Department of Radiowave Propagation)

SUBMITTED: May 26, 1960 (initially)  
May 25, 1961 (after revision)

Card 3/5

31984

S/142/61/004/004/005/018  
E192/E382

9.9700 (1046, 1327)

AUTHORS: Karpeyev, G.A., Kubasov, P.Ye., Semenov, A.A. and  
Filipp, N.D.

TITLE: Possibility of employing the phase-meter method  
in the investigation of field fluctuations of radio  
waves propagating in a turbulent medium

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy,  
Radiotekhnika, v. 4, no. 4, 1961, 425 - 431

TEXT: It is known that during propagation over routes near  
the ground the field at the receiver is determined by the  
average characteristics of the medium and the earth surface  
as well as their statistical characteristics (Ref. 2 - A.G.  
Arenberg - Propagation of decimetre and centimetre waves -  
izd-vo Sovetskoye radio, 1957). The presence of statistical  
processes leads to the amplitude- and phase-fluctuations of  
the waves and these fluctuations are random functions of time  
and space coordinates. It can be assumed for the purpose of  
analysis that at a point P of the space v the field  
(vector or scalar) can be expressed by:  
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Possibility of employing ....

<sup>31904</sup>  
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$$\vec{E}(P, t) = \sum_m \vec{E}_m(P, t) = \sum_m E_m'(P, t) e^{i\varphi'_m(P, t)}$$

where the sum extends over all the partial fields  $E_m(P, t)$ , which can be regarded as having arrived at the receiver along various trajectories; the field  $E(P, t)$  is therefore a result of multi-ray propagation. A two-antenna interferometer, shown in Fig. 1, is used as the receiver; it consists of: 1 - two antennae; 2 - feeder system and 3 - a square-detector. The voltage at the point C of the receiving system can be expressed by:

4

$$\vec{E}_c(\vec{r}, t) = \sum_m G_{1m}(t) E_m'(P_1, t) e^{i\varphi_m(P_1, t)} + \sum_m G_{2m}(t) E_m'(P_2, t) e^{i\varphi_m(P_2, t)}$$

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Possibility of employing ....

where  $G_{1m}$  and  $G_{2m}$  are the gain coefficients of the two antennae,

$$\varphi_m(P, t) = \varphi'_m(P, t) + \varphi_{mp}$$

where  $\varphi'_m$  represents the mean value of the phase in the antenna aperture,

$\varphi_{mp}$  is the fixed phase-shift during transmission of the signal from point P to point C of the feeder system.

The mathematical expectation  $U_0(\vec{r})$  of the amplitude  $U(r, t)$  of the output signal of the square-detector (see Fig. 1) is found analytically and this expression is employed to determine the conditions during propagation of ultrashort waves over near-ground routes extending over tens of kilometres. Under the assumption that the fluctuations are small two cases (important in practice) are investigated: 1) the field at the receiver has only one component ( $m, n = 1$ ) and 2) the field consists of two components  $E_0 + E_s$ , such that  $E_0$  has a constant phase and amplitude, while  $E_s$  is a random component. It is found that for

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319<sup>th</sup>

4

the first case the expectation  $U_0(\vec{r})$  depends on the invariable field characteristics as well as the statistical characteristics of the medium. It is further shown that use of the phase-meter system accentuates the relative fluctuations of the output signal so that these can be measured and investigated comparatively easily. Secondly, the method makes possible measuring the space correlation characteristics of the field fluctuations. In the case of the field consisting of the two components  $E_0$  and  $E_s$ , use of the method permits elimination of the constant field component, which facilitates measurement of the field fluctuations. The problem was investigated experimentally and it was found that in the direct-visibility zone the amplitude-phase fluctuations of the ultrashort waves were so small that there existed practical difficulties in effecting the measurements. Thus, for example, during 65 measurement periods conducted between January and March, 1957, in 33 cases the relative fluctuation  $\sigma_0^2 < 0.01$ , in 20 cases  $0.01 \leq \sigma_0^2 \leq 0.25$  and only in 12 cases  $\sigma_0^2 > 0.25$ .

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A series of measurements of amplitude-phase fluctuations was carried out in the autumn of 1959 at ultrashort waves by the phase-meter method and it was found that the low-frequency component of the amplitude-phase fluctuations was primarily determined by the phase-fluctuations of the field; on the other hand, the fast component was due to the amplitude-fluctuations. This was further confirmed by some measurements of auto-correlation functions of the amplitude- and amplitude-phase fluctuations of the field at a frequency of  $f = 9\ 550$  Mc/s. A preliminary estimate of the mean square phase-fluctuations shows it to be of the order of  $10^{-2}$  radians, which compares with data available from the literature (Ref. 6 - A.V. Men', S.Ya. Braude and V.I. Gorbach - DAN SSSR, 1959, 125, no. 5, 1019; Ref. 7 - D.M. Vysokovskiy - Some problems of long-distance tropospheric propagation of ultrashort radio waves, pub. by AS USSR, 1958).

+

Card 5/6

Possibility of employing ....

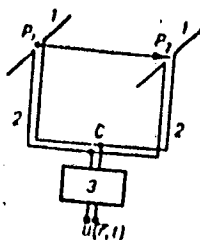
31984  
S/142/61/004/004/005/018  
E192/E382

There are 4 figures and 7 Soviet-bloc references.

ASSOCIATION: Kafedra rasprostraneniya radiovoln Moskovskogo  
ordena Lenina gos. universiteta im.  
M.V. Lomonosova (Department of Radio-wave  
Propagation of Moscow Order of Lenin State  
University im. M.V. Lomonosov)

SUBMITTED: June 20, 1960

Fig. 1:



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9.9815

24882

S/109/61/006/008/002/018  
D207/D304

AUTHOR: Kubasov, P.Ye.

TITLE: Investigating space-time correlation relations at the level of a field of centimeter waves with propagation in a turbulent atmosphere

PERIODICAL: Radiotekhnika i elektronika. v. 6, no. 8, 1961, 1228 - 1236

TEXT: An account is given of an experimental investigation of the space-time correlation characteristics of intensity variations of a signal transmitted over a near-earth direct-visibility path of length 36 km. The experiments were conducted during the period June to December 1959. The transmitter was operated at 2370 Mc/s in 1 - psec pulses with a repetition frequency of 577 pulses/sec. The parabolic transmitting antenna had a diameter of 0.7 m, giving a principal lobe with half-power points at about  $3^\circ$ . The radiation was horizontally polarized. The height of the transmitting antenna

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Investigating space-time ...

was about 40 m above the earth's surface. Two superhet receivers were used, having a bandwidth of 4 Mc/s and a sensitivity of 70dbm. The receiving antennae were pyramidal, with a directional diagram about  $15^\circ$  in the H plane and  $18^\circ$  in the E plane. The base joining the two receivers was variable in length from 4 to 200 cm and was also variable as regards orientation. The height of the receiving antennae was about 4 m above the earth's surface. The outputs of the two receivers were applied simultaneously to an oscillograph type MPO-2 (MPO-2) and a record was obtained on film. The film speed was adjusted to 2 or 4 mm/sec depending on the character of the signal variations. Examples of film records are illustrated. The duration of recording for each base length was 3-4 min. The results of the statistical examination of the records are shown in tables and graphs. As regards the space correlation curves, the experimental results agree more closely with an exponential than with a Gaussian curve. Values found for the radius of correlation lie between 0.2 and 0.8 m, i.e. correlation as a rule disappears at a distance 0.7 to  $25 \lambda$ , confirming the findings of A.A. Semenov

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Investigating space-time ...

and G.A. Karpeyev (Ref. 2: Vestn. Mosk. un-ta, 1957, 6, 69). Analysis of the time correlation curves clearly shows the influence of transverse wind speed. Three types of correlation curve are distinguished, viz., roughly exponential, roughly Gaussian, and rectilinear. Normalized space and time correlation functions are determined and estimates are obtained of radii of correlation. There are 5 figures, 2 tables and 12 references: 8 Soviet-bloc and 4 non-Soviet-bloc. The 4 references to the English-language publications read as follows: H. Staras, Proc. I.R.E., 1955, 43, 10, 1374; J. Kurihara, Proc. I.R.E., 1955, 43, 10, 1362; A.D. Wheelon, J. Atmos. and Terr. Phys., 1959, 15, 3/4, 185; J.H. Chisolm et alii, Proc. I.R.E., 1955, 43, 10, 1317.

ASSOCIATION: Fizicheskiy fakul'tet moskovskogo gosudarstvennogo universiteta im. M.V. Lomonosova (Moscow State University im. M.V. Lomonosov, Physics Department)

SUBMITTED: May 6, 1960

Card 3/3

KUBASOV, S.A.

Abolish shift work of electricians. Avtom.telem. i svyaz'  
3 no.12:24 D '59. (MIRA 13:4)

1. Starshiy elektromekhanik elektricheskoy tsentralizatsii  
stantsii Balesino Gor'kovskoy dorogi.  
(Railroads--Maintenance and repair)

KUBASOV, V.A.

Attachment for the DM-12A for the purpose of short tests at elevated temperatures of metals for tension and bending. Zav.lab.21 no.12:  
1506-1507 '55. (MLRA 9:4)

1.Moskovskiy institut khimicheskogo mashinostroyeniya.  
(Testing machines) (Metals--Testing)

KUPASOV, V. A.

KUPASOV, V. A.: "Determination of the mechanical properties of soft carbon steel between room temperature and 150 degrees Centigrade." Min Higher Education USSR. Moscow Inst of Chemical Machinebuilding. Moscow, 1956. (Dissertation for the Degree of Candidate in Technical Sciences.)

Source: Knizhnaya letopis' No 40 1956 Moscow

KUBASOV, V.A.

SOV/137-58-8-17784

Translation from: Referativnyy zhurnal, Metallurgiya, 1958. Nr 8, p 227 (USSR)

AUTHOR: Kubasov, V. A.

TITLE: Mechanical Properties of Mild Low-carbon Steel at Temperatures Ranging From Room Temperature to 450°C (Mekhanicheskiye svoystva myagkoy malouglerodistoy stali v intervale temperatur ot komnatnoy do 450°)

PERIODICAL: Tr. Mosk. in-ta khim. mashinostr., 1957, Vol 14, pp 31-54

ABSTRACT: Mechanical properties ( $\sigma_s$ ,  $\sigma_b$ ,  $S_k$ ,  $\delta$ ,  $\psi$ ,  $\tau_k$ ,  $\phi$ , and  $a_k$ ) of steels St. 3 and of rimmed open-hearth steels with standard and increased (up to 0.1%) As content were investigated at temperatures ranging from 20°C to 500°C, also steels containing 1.7% Mn. It was established that the  $\sigma_b$  decreases, as the temperature is raised to 100°, increases (up to 15%) as the temperature is increased from 100° to 300°, and, finally, diminishes again. The level of potential energy expended in the destruction of the specimen decreases at temperatures up to 200°, increases as the temperature is increased to 400°, and decreases again thereafter. It was confirmed by means of the tests that heating of specimens which have been

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SOV/137-58-8-17784

Mechanical Properties of Mild Low-carbon Steel (cont.)

preliminarily work-hardened to a temperature of 200°, with some subsequent exposure at that temperature, definitely determines a plateau of plastic flow upon the stress-strain diagrams; no such phenomenon was observed in the case of specimens which had been hardened by stretching, a fact which apparently is attributable to the anisotropy in properties of the metal that had been subjected to deformation in different directions. Notched specimens exhibited a  $\sigma_b$  which was 20% greater than that of smooth specimens.

I. G.

1. Steel--Mechanical properties
2. Steel--Temperature factors
3. Steel--Test results

Card 2/2

Kubasov, V. A.

AUTHOR: Kubasov, V. A.

TITLE: Perfecting a Machine for Hot Cyclic Tests of Metals under Conditions of Varying Plastic Deformation (Uovershenstvovaniye mashiny dlya goryachikh tsiklicheskikh ispytaniy metallov v usloviyakh peremennoy plasticheskoy deformatsii)

PERIODICAL: Zavodskaya Laboratoriya, 1957, Vol. 23, No. 1, pp. 101-102 (U.S.S.R.)

ABSTRACT: Reference is made to a device constructed in 1938 by L. T. Timoshuk for the study of the behavior of metals under conditions of varying plastic deformation with the surface of the metal in contact with a corrosive liquid medium and a temperature above 100° C. The heating and chemically active medium was a liquid of the sea water type. In the present study, tests with temperatures of 400-450° are made with a limited effect of the medium, quartz sand being used for heating instead of a liquid. A drawing is presented showing the principle of the heating device. Quartz sand is found to be superior to a liquid on account of the elimination of vaporization. There is one Slavic reference.

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Perfecting a Machine for Hot Cyclic Tests of  
Metals under Conditions of Varying Plastic  
Deformation

ASSOCIATION: Moscow Institute for Chemical Machine Construction (Moskov-  
skiy institut khimicheskogo mashinostroyeniya)

PRESENTED BY:

SUBMITTED:

AVAILABLE:

Card 2/2

KURASOV, V.A., kand.tekhn.nauk

Static strength and placticity of low-carbon and low-alloy  
manganese steel at high temperatures. Trudy TSHII MPS no.195:74-  
88 '60. (MIRA 13:9)  
(Manganese steel--Testing) (Metals at high temperatures)

KUBASOV, V.L.; VOLKOV, G.I.

Potentials of chlorine evolution from common salt solution  
on a graphite electrode. Elektrokhimii 1 no.11:1395-  
1400 N '65. (MIRA 18:11)

L 04587-67 EWT(1)/EWP(m)/EPC(k)-2 TT/CW  
ACC NR: AP6033392

SOURCE CODE: UR/0293/66/004/005/0701/0708

AUTHOR: Kubasov, V. N.

ORG: none

TITLE: Correction of <sup>12</sup>interplanetary <sup>12</sup>trajectories with the aid of impulses in the direction of a radial heliocentric velocity

41  
B

SOURCE: Kosmicheskiye issledovaniya, v. 4, no. 5, 1966, 701-708

TOPIC TAGS: interplanetary flight, interplanetary trajectory, ~~assumptions~~, heliocentric trajectory

ABSTRACT: The article is a study of multiple corrections of interplanetary trajectory by means of impulses in the direction of a radial heliocentric velocity ("solar" correction) under the assumption that the space vehicle moves along a non-perturbed Keplerian orbit. In this study, linear approximations are used and corrections are considered only on the heliocentric portion of the interplanetary trajectory, although, as it is pointed out, all results of the article can be extended to the correction of planetocentric trajectories. General properties of multiple corrections are analyzed. It is proved that the number of flight parameters to be corrected as well as the number of correcting impulses can not exceed four and the optimal number of impulses for correcting the vehicle coordinates in the picture plane can not exceed two. A system of equations is derived from which

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UDC: 629.191

L 04587-67

ACC NR: AP6033392

the magnitude of impulses  $\Delta V_1$  and  $\Delta V_2$  for correcting the coordinates  $\eta$  and  $\xi$  in the picture plane can be derived uniquely if the determinant of the system is not equal to zero. It is pointed out that the determinant of the system is distinct from zero for almost all interplanetary flight trajectories. However, the conditions which the optimal energy corrections of coordinates in the picture plane have to satisfy are derived. The question of the instant of carrying out the second correction is analyzed for two connected (dependent) corrections. Orig. art. has: 3 figures and 14 formulas..

SUB CODE: 22/ SUBM DATE: 10May66/ ORIG REF: 003/ ATD PRESS: 5100

Card 2/2 afa

KURASOV, Ye.A., inzhener [deceased]; PEKLER, A.N., inzhener;  
ROZANTSEV, S.N., redaktor; GUROVA, O., tekhnicheskii  
redaktor.

[Routine dwelling repair operations] Tekushchii remont  
zhilogo doma. Izd.2-e, perer. i dop. Moskva, Izd-vo  
Ministerstva kommunal'nogo khoziaistva RSFSR, 1953. 283 p.  
[Microfilm] (MLRA 7:12)  
(Building--Repair and reconstruction)

VOL'FKOVICH, S., akademik; KUBASOVA, L., inzhener-khimik

Chemistry, the ground, abundance. Starsh.-serzh. no.3:30-31 Mr  
'64. (MIRA 17:3)

KUBASOVA, L.I.

PHASE I BOOK EXPLOITATION

80V/5536

Baklushin, Petr Aleksandrovich, Igor' Konstantinovich Kiselev, and Lidiya Ivanovna Kubasova

Avtomatizatsiya teploenergeticheskikh ustanovok (Automation of Heat Power Installations) Moscow, Gosenergoizdat, 1960. 351 p. Errata slip inserted. 15,000 copies printed.

Ed.: P.N. Mamuylov; Tech. Ed.: G. Ye. Larionov.

PURPOSE: This book is intended for students of heat power problems in polytechnic and power engineering schools of higher education. It may also be useful to heat power engineers dealing with automation of heat processes at electric power stations.

CONTENT: The book discusses the automation of heat power installations and the physical nature of automatic control. Fundamentals of automatic control and certain procedures of its engineering utilization are presented. Schematic circuits of the automation of basic assemblies and auxiliary equipment of heat power installations are discussed. Elements and structural features of the most widely used types of automatic regulators are described and analyzed.

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## Automation of Heat Power Installations

80V/5536

Problems of disposing automation components on the instrument boards of steam electric power stations are also discussed. The Foreword, Chs. I, VIII, IX, XIII, XVI, XVIII, XX, and conclusion were written by P.A. Baklushin, who also carried out the general planning and editing of the book; Chs. V, VI, and VII by I.K. Kiselev; Chs. II, III, IV, X, XI, XII, XIV, XVII and XIX, by L.I. Kubasova. The authors thank S.G. Gerasimov, Professor, P.N. Manuylov, Engineer, and M.A. Tartushkina, Engineer, for their help. References to each part are listed separately in the Bibliography. There are 42 references, all Soviet.

## TABLE OF CONTENTS:

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Introduction. Concept of Automation of Heat Power Installations	
1. Elementary concepts and historical references	9
2. Types of automation for heat power installations	11
3. Economic importance of heat power installations	17
4. Remarks on mathematical foundations of the theory of automatic control in heat power installations	17

Card 2/11

KUBASOVA, L.V.

Ammonium polyphosphates. Zhur.prikl. khim. 37 no. 5:955-959  
My '64. (MIRA 17:7)

1. Moskovskiy gosudarstvennyy universitet.

KUBASOVA, N.

Interaction of colors. Tekh. est. no.6:19-21 Je '65.

(MIRA 18:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut tekhnicheskoy  
entetiki.

AT/PM

... Schiff bases have been synthesized and their chemical

... conjugated, the activation energy for conduction is ...  
... has disrupted by hetero atoms and other groups, this

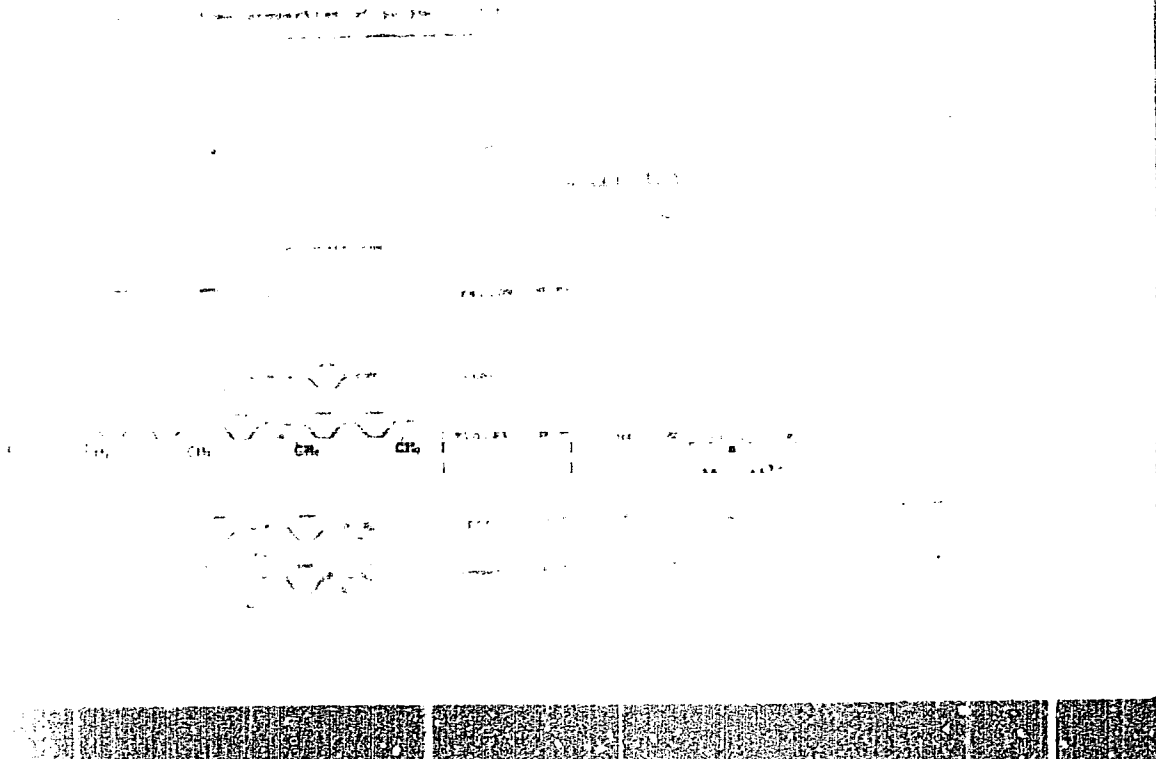
"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000827010014-8

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000827010014-8"





KIBISOV, Grigoriy Il'ich; ANTROPOV, Nikolay Pavlovich; KUBASOVA, Natal'ya Borisovna; REZVOVA, Mariya Ivanovna; SHALLING, V.A., red.; GVIRTS, V.L., tekhn. red.

[Development and application of a universal method for quantitative spectrum analysis] Opyt razrabotki i primeniia universal'nogo metoda kolichestvennogo spektral'nogo analiza. Stenogramma doklada na seminare v LDNTP. Leningrad, Leningr. Dom nauchno-tekhn. propogandy, 1961. 53 p. (MIRA 14:9)

(Spectrum analysis)



KIBISOV, G.I.; KUBASOVA, N.B.

Effect of the extent of grinding of materials on the results  
of the quantitative spectral analysis of substances downfed  
by means of air. Zhur.anal.khim. 16 no.6:660-663 N-D '61.  
(MIRA 14:12)

1. State Institute of Applied Chemistry, Leningrad.  
(Spectrum analysis)

KUBASOVA, N.B.; KIBISOV, G.I.

Excitation of spectra in the universal method of quantitative  
determination of elements. Zhur.anal.khim, 18 no.10:1184-1191  
O '63. (MIRA 16:12)

1. State Institute of Applied Chemistry, Leningrad.

KUBASOVA, N.B.; KIBISOV, G.I.

Special characteristics of a high amperage discharge of a low voltage spark and its use in universal quantitative spectral analysis. Zav.lab. 29 no.4:506-508 '63. (MIRA 16:5)

1. Gosudarstvennyy institut prikladnoy khimii.  
(Spectrum analysis) (Electric discharges)

KUBASOVA, N.B.; KEBISOV, G.I.

Elimination of the mutual effect of elements in spectrum analysis in relation to the problem of establishing standard samples. Zhur.anal.khim. 19 no.10:1188-1191 '64. (MIRA 17:12)

1. State Institute of Applied Chemistry, Leningrad.

KESSEL', V.P.; KUBASOVA, N.M.

Arachnodactyly (Marfan's disease). Terap.arkh. no.8:123-124 '62.  
(MIRA 15:12)  
1. Iz Pyatigorskoy kliniki Bal'neologicheskogo instituta (dir. -  
kand.med.nauk Ye.A. Smirnov-Kamenskiy).  
(ARACHNODACTYLY)

KUBASOVA, Ye. G., Cand Med Sci -- (diss) "Comparative evaluation of the action of oxygen during various methods of administration to children suffering from pneumonia." Krasnodar, 1960. 15 pp; (Ministry of Public Health RSFSR, Kubanskiy State Medical Inst im Red Army); 210 copies; price not given; (KL, 52-60, 123)

BURTSEV, V.M.; KAKHANCVICH, T.M.; KUBASSKIY, S.I.; LAPSHIN, P.V.;  
REYZNER, Yu.B., nauchnyy red.; TYUTYUNIK, M.S., red. izd-  
va; MOCHALINA, Z.S., tekhn. red.

[Automation of the grinding and calcination of gypsum] Opyt  
avtomatizatsii pomola i varki gipsa. Moskva, Gosstroizdat,  
1962. 59 p. (MIRA 15:7)

(Gypsum)

KAKHANOVICH, T.M.; KUBASSKIY, S.I., inzh., glav. red.; ANTONOVA,  
N.N., inzh., red.

[Completely prefabricated bathrooms; practices of the  
Danilov Plant of the Main Administration for Industrial  
Building Materials in the City of Moscow] Proizvodstvo  
sanitarno-tekhnicheskikh kabin polnoi zavodskoi gotov-  
nosti; opyt Danilovskogo zavoda Glavmospromstroimaterialov.  
Moskva, Gosstroizdat, 1963. 28 p. (MIRA 17:5)

1. Akademiya stroitel'stva i arkhitektury SSSR. Nauchno-  
issledovatel'skiy institut organizatsii, mekhanizatsii i  
tekhnicheskoy pomoshchi stroitel'stvu. 2. Direktor  
Danilovskogo alebastrovogo zavoda Glavnogo upravleniya pro-  
myshlennosti stroitel'nykh materialov i stroitel'nykh deta-  
ley (for Kakhanovich). 3. Danilovskiy alebastrovyy zavod  
Glavnogo upravleniya promyshlennosti stroitel'nykh mate-  
rialov i stroitel'nykh detaley (for Kubasskiy).



HUNGARY

KUBASSY, Laszlo, Dr; National Ambulance Service (chief director: OROVECZ, Bela, Dr), Ambulance Station of Miskolc (chief physician: KUBASSY, Laszlo, Dr) (Orszagos Mentoszolgalat, Miskolci Mentoallomas).

"The Development of Express Ambulances and Experiences with Its Use at the Ambulance Station of Miskolc."

Budapest, Honvedorvos, Vol XVIII, No 4, Oct-Dec 66, pages 259-264.

Abstract: [Author's Hungarian summary modified] The development of well equipped, express ambulance wagons by the domestic and foreign ambulance services is described. These wagons are equipped with highly specialized, intricate equipment to be used by a physician travelling with the ambulance to prevent or relieve shock and other severe traumatic conditions at the site of the accident. It is concluded that the quality of first aid which can be provided by the express ambulance has fulfilled the expectations in the Miskolc area as well, not only in traumatological but in other emergency cases too. The immediate treatment of accidents and the expansion of the express ambulance services is of decisive importance, especially in the provinces. More appropriate ambulance wagons and their operation from an ambulance-hospital base are recommended. All 24 references are Hungarian.

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ANZEPHA MEDICA Sec. 6 Vol. 11/5 May 57  
KUBASTA M.

3056. KUBASTA M., PROCHÁZKA J., VIKTORIN J. and ČERNÍK F. Vnitř. Klin. Palackého Univ., Olomouc; Vnitř. Klin. VLA Jana Ev. Purkyně, Hradec Králové. "Klinické zkušenosti s Actinomycinem C (Sanamycinem). Clinical experiences with sanamycin VNITŘ. LÉK. 1956, 2 11 (1031-1041) Fifteen patients with Hodgkin's disease, 5 with chronic lymphadenosis, 2 with reticulocytosis, 1 with atypical myeloma and 2 with inoperable carcinoma have been treated with actinomycin C (sanamycin-Bayer). With the exception of Hodgkin's disease, the drug proved to be ineffective. In 15 patients with Hodgkin's disease, the result may be considered as relatively good in 4 patients, not so good in 7 patients and in 4 patients the therapy failed. The result obtained has not lasted longer than for 6 weeks. Compared with the X-ray therapy and chemotherapeutics of the nitrogen mustard group, the results of the treatment with sanamycin are worse. Thus, this drug cannot be considered to be a particular enriching of the therapeutical arsenal in Hodgkin's disease and cannot be recommended for routine application. (VI. 16)

EXCERPTA MEDICA Sec 6 Vol 13/2 Internal Med. Aug 52

4381. DIFFUSE INTERSTITIAL PULMONARY FIBROSIS - Difuzní intersticiální  
fibrosa plic (syndrom Hammanův-Richův) - Kubašta M., Krejčí J.,  
Janíček M. and Rozmarňová K. I. Vnitřní lékař. a Pathol.-Anat.  
Úst. PU, Olomouc - ROZHL. TUBERK. 1958, 18/1 (19-27) Illus. 9

Five cases of Hamman-Rich syndrome are presented. Three children were in-  
volved. All died and diagnosis was confirmed morbid-anatomically.

Vojtek - Šumperk (XV, 6)

KUBASTA, M.; VYKYDAL, M.; BLAHOS, J.; ZIESEKAL, A.; GIKALOVAYA, I.

Electrocardiographic changes during chloroquine treatment.  
Vnitri lek. 11 no.4:361-369 Ap'65.

1. III. vnitri lek. katedra lékařské fakulty Palackého University  
v Olomouci (prednosta: prof. MUDr. V. Pelikan) a Vyzkumny  
endokrinologicky ustav v Praze (reditel: doc. MUDr. K. Silink).

KUBASTA, M.; BIAHOS, J.; KUBASTOVA, B.

Experience from Ethiopia. Cas. lek. Cesk. 104 no.41:Lek. ved.  
zahr. 10:195-200 15 0 '65.

1. Nemocnice Rasa Makonnena v Hararu, Etiopie.

CZECHOSLOVAKIA

UDC 616-002.95.122.2-06.616.36

KUBASTA, M.; DUSEK, J.; KUBASTOVA, B.; KODOUSEK, R.; 3rd Internal Clinic Med. Fac. Palacky University (III. Vnitřní Klinika Lek. Fak. PU), Olomouc, Chief (Prednosta) Prof Dr V. PELIKAN; Institute of Pathological Anatomy, Med. Fac. Palacky University (Ustav Patologicke Anatomie Lek. Fak. PU), Olomouc, Chief (Prednosta) Docent Dr V. VALACH.

"Liver Affection in Schistosoma Mansoni Infection."

Prague, Casopis Lekarů Českých, Vol 105, No 49-50, 9 Dec 66, pp 1352 - 1355

Abstract [Authors' English summary modified]: Bioptic liver specimens of patients infected with Schistosoma mansoni, or those where the infection was suspected were examined in 212 fresh samples and in 155 histological sections. Diffuse and permanent embolization of the ova into the liver is an integral part of the infection; the breakdown of eggs in the liver is relatively fast. Fresh hepatic tissue should be examined when ova are not found in faeces or by rectal biopsy. Histological examination reveals the extent of the damage. 12 Figures, 4 Czech, 3 Egyptian, 2 Japanese, 37 Western references.

KUBASTA, M.; BLANOS, J.; KUBASTOVA, B.

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000827010014-8

Experience from Ethiopia. Cas. lek. Česk. 104 no.41:Lek. ved. zahr. 10:195-200 15 0 '65.

1. Nemocnice Rasa Makonnen v Hararu, Etiopie.

KUBASTOVA, Blanka

KUBASTOVA, Blanka, MUDr

Cleidocranial dysostosis. Prakt. lek., Praha 34 no.15-16:363-365  
5 Aug 54.

1. Z očního oddělení OUNZ v Opavě, přednosta prim. MUDr Josef Stefek  
(CLEIDOCRANIAL DYSOSTOSIS)

EXCERPTA MEDICA - Sec.12 Vol.10/9 Ophthalmology Sept56

1391. KUBAŠTOVÁ B. Oční Klin. PU, Olomouc. \*Perforující poranění oka ode-  
řfovrna na oční klinice v Olomouci od 1.1.1946 do 31.12.1954. Perforat-  
ing injuries of the eye treated at the ophthalmological  
clinic of Olomouc from 1.1.1946 to 31.12.1954 ČSL.OP-  
THAL. 1956, 12/1 (33-38) Tables 9

325 patients with perforating eye injury were treated, mostly males (79.7%). Out  
of the total 30% were children up to 15 yr. of age. 80% of injuries occurred out-  
side working-hours, 31.6% were industrial and 8.3% were agricultural injuries.  
81.8% of cases came into hospital treatment within the first or second day. In  
44% of cases there was a perforating injury with intraocular foreign body out of  
which 41.9% were non-magnetic. In 48.9% of cases extraction by magnet was per-  
formed. 40.6% got conservative treatment only, in 20.8% Kuhn's plastic operation  
and in 9.8% Kuhn's operation together with suture were performed. Primary  
suture of the wound was performed in 23% of cases. Exclasion of the eye was ne-  
cessary in 13.5%, amaurosis resulted in 3%, light perception in 8.3% visual acuity  
better than 6/12 in 21.8% of patients. The therapeutic results do not differ from  
statements in the literature. Zahn - Prague



KUBASTOVA, Blanka, MUDr.

Syndrom of blue sclera. Cesk. ofth. 12 no.4:266-269 Aug 56.

1. Očni klinika lékařské fakulty PU v Olomouci. Prednosta prof.  
MUDr. V. Vojdovsky.  
(SCLERA, diseases,  
blue sclera (Cs))

KUBASTOVA BLANKA

Personal experiences with Filatov's tissue therapy. Cesk. ofth. 13 no.6:  
448-452 Dec 57.

1. Očni klinika PU V Olomouci, prednosta prof. V. Vejdovsky.  
(TISSUE THERAPY,  
Filatov's method (Cz))  
eye dis. (Cz))  
(EYE DISEASE, therapy,  
tissue ther. (Cz))

KUBASZEWSKI, JOZEF

Kubaszewski, Jozef. Zaczelo sie na nabrzezu Arsenal. Gdansk, Wydawn. Morskie, 1951. 26p. (Biblioteczka Morskiego Wspolrzednictwa i Racjonalizatorstwa)  
(It started at Arsenal Pier. illus.)

SO: East European, LC Vol. 2, No. 12, Dec. 1953

KUBAT, Alois; SYKORA, Jindrich

Tentative clinical application of radioactive gold. Cesk. onkol.  
3, no. 3:260-264 1956.

1. District Public Health Serv., Oncolog. Dept., Plzen  
MUDr. Alois Kubat and RNDr. Jindrich Sykora, Onkologicke  
oddeleni KUNZ, Plzen, Marxova 13, Czechoslovakia.

(NEOPLASMS, THERAPY,  
radiogold)

(GOLD, radioactive,  
ther. of cancer)

HLASIVEC, Zdenek; HOSTAS, Karel; KUBAT, Alois; PŘENOSIL, Jaroslav

Interrelationship of radiation dose, time & volume. Cesk. rentg. 12  
no.4:223-232 Dec 58.

1. Onkologický ústav v Praze 8, ředitel dr. František Vzdura. Zdr. H.,  
Onkol. ústav, Praha 8, Na Truhláře 100.

(RADIUM, ther. use  
relation of dos., time & volume (Gz))

SYKORA, J.; KUBAT, A.; HUZL, F.

Radiation hazards in storing monastic sand. Pracovni lek. 12  
no.6:291-294 JI '60.

1. Oddeleni chorob s povolani a onkologicke oddeleni SFM, Plzen.  
(RADIATION INJURY)  
(OCCUPATIONAL DISEASE)

KUBAT, A.; PATOCKA, S.

Use of wedge filters for the GUT-400 telegamma apparatus. Neoplasma 9  
no.2:209-211 '62.

1. Onkologische Abteilung des staatlichen Fakultatskrankenhauses und  
Physikalisches Institut der medizinischen Fakultät der Karlsuniversität  
in Pilsen, CSSR.

(RADIOTHERAPY equipment & supplies)

SYKORA, J.; HUZZL, F.; KUBAT, A.; technicka spoluprace STANDEROVA, R.

Hazards in processing rare earths. Prac. lek. 14 no.6:271-277 Ag '62.

1. Oddeleni chorob z povolani a prumyslove toxikologie SFN v Plzni,  
prednosta MUDr. F. Huzl Onkologicke oddeleni SFN v Plzni, prednosta  
MUDr. A. Kubat.

(ELEMENTS)

(OCCUPATIONAL DISEASES)



JUPA, M.; KUBAT, A.; SYKORA, J.

Evaluation of changes in the blood volume in the preoperative preparation of patients with malignant neoplasms. Rozhl. chir. 42 no.8:565-569 Ag '63.

1. I chirurgická klinika lékařské fakulty KU se sídlem v Plzni, přednosta doc. dr. J. Spinka Onkologické oddělení SFN v Plzni, vedoucí MUDr. A. Kubat.

(BLOOD VOLUME DETERMINATION)  
(NEOPLASM THERAPY)  
(CHROMIUM ISOTOPES)  
(PREOPERATIVE CARE)

KURAT, A.; SYKORA, J.; JUPA, M.

Studies on dextran distribution in the body using Cr51. Rosh.  
chir. 42 no.9:611-615 S '63.

1. Onkologické oddelení Státní fakultní nemocnice v Plzni  
I chirurgická klinika lékařské fakulty KU v Plzni.

(DEXTRAN) (CHROMIUM ISOTOPES)  
(ASCORBIC ACID) (URINE)  
(BLOOD CHEMICAL ANALYSIS)  
(METABOLISM) (RADIOISOTOPE SCANNING)

BROZKOVA, V.; MERTHOVA, H.; KUBAT, A., MUDr.; SYMBA, J.

(Our experience with radioactive iodine in the diagnosis of thyropathies. Plzen. lek. sborn. 24:83-88 '64.

1. Klinika chorob vnitřnich lékařské fakulty University Karlovy v Plzni (prednosta: prof. MUDr. K. Bobek) a onkologické oddelení SFN v Plzni (zast. prednosta: MUDr. Alois Kubat).

SYKORA, J.; KUBAT, A.; PATOCKA, S.

Hazards of work with radioisotopes. Plzen. lek. sborn. 24:  
95-97 '64.

1. Oddeleni chorob z povolani a toxikologie SFN v Plzni (prednosta:  
MUDr. A. Kubat) a Fyzikalni ustav lekarcke fakulty University  
Karlovy v Plzni (prednosta: doc. MUDr. M. Petras, CSc.).

JUPA, M.; KUBAT, A.; SYKORA, J.

Do our laboratory methods always give the true picture of a disease? Contribution to preoperative blood volume determination. Bratisl. lek. listy 44 no.5:303-308 15 S'64

1. I. chirurgická klinika lékařské fakulty University Karlovy se sídlem v Plzni (vedoucí doc MUDr. J. Spinka); Onkologické oddělení SFN v Plzni (zast. vedoucího MUDR A. Kubat).

KUBAT, Arnost, inz.; DEUTSCH, Jiri

Indicator discharge tube Tesla 10TU26. Slaboproudy obzor 22 no.7:  
412-418 '61.

1. TESLA Roznov, n.p., zavod Vrchlabi.

(Vacuum tubes)

Z/014/62/000/007/002/003  
E192/E382

AUTHOR: Kubát, Arnošt, Engineer

TITLE: Special-quality tubes made by TESLA

PERIODICAL: Sdělovací technika, no. 7, 1962, 254 - 257

TEXT: TESLA Rožnov, Czechoslovakia, produces the following high-quality (trustworthy) tubes, type: E88CC, E180F, ECC802S, ECC803S, EF800, EF806S and EL803S. These tubes, apart from E180F, have equivalents in the normal-production tubes but they differ from the standard types by closer electrical tolerances, lower maximum loads and a guaranteed life of 5 000 hours. The tubes are also equivalent to those of similar designation made by foreign manufacturers (Valvo, Telefunken and Phillips). There are 2 figures and 4 tables. ✓

Card 1/1

KUBAT, Arnost, inz.

Service life and reliability of high quality electron tubes.  
Sdel tech ll no.4:127-130 Ap '63.



KRATOCHVIL, Vladimir, inz.; KUBAT, Arnost, inz.

Technical conditions for the TESLA special quality electron tubes. Sdel tech ll no. 12: 452-455 D '63.

KUBAT, A.

Digital indication discharge tube for transistor circuits. El  
tech cas 14 no.7:437-439 '63.

KUBAT, Arnost, inz.

"Principles of the theory and calculation of reliability"  
by I.M.Mal'kov, A. M. Polovko, N. A. Romanov, P. A.  
Cukrejev. Reviewed by Arnost Kubat. Automatizace 7 no. 3:  
83 Mr '64.

KUBAT, Arnost, ins.

Principles of digital indication. Sdel tech 12 no.8:288-291  
Ag '64

TYC, Petr, inz., C.Sc.; KUBAT, Boh., inz.

Permeability of railway bedding and of a layer from locomotive coal ash.  
Zel dop tech 9 no.12:371-374 '61.

KUBAT, B., inz.

Measurement of railway gauge. Zel dop tech 9 no.12:379 '61.

**KUBAT, Bartolonej, MUDr**

**Effect of trauma on etiology and course of diabetes. Prakt. lek.,  
Praha 34 no.22:507-509 20 Nov 54.**

**1. Z chirurg. klin. zakladny Ustavu pro doskolovani lekaru pri obv.  
nem. v Prase 8 - Bulovka; prednosta prof. dr. Jan Knobloch  
(DIABETES MELLITUS, etiol. and pathogen.  
trauma)  
(WOUNDS AND INJURIES  
trauma in etiol. and course of diabetes)**

DEPART, Ladislav, MUDr.; KUHAČ, Bětošovec, MUDr.

Anesthesia in acute intestinal obstruction. Rozhl. chir. 36 no.2:  
85-88 Feb 57.

1. Chirurgická klinická sálka Ustavu pro doskolování lékařů při  
obvodní nemocnici v Praze 8. Bulovka. Prednosta prof. MUDr Jan  
Knobloch.

(INTESTINAL OBSTRUCTION, surg.

anesth., comparison of two techniques (Cz))

(ANESTHESIA,

combined anesth. in surg. for acute intestinal obstruct.  
(Cz))



KUBAT, B., MUDr.; DEMANT, L., MUDr.; MACH, F., MUDr.

Anesthesia in traumatology. Acta chir. orthop. traum. cech. 25 no.3:  
219-222 May 58.

1. Chirurgická klinika základna Ústavu pro doskolování lékařů v Praze  
při nemocnici v Praze 8-Bulovka, přednosta prof. MUDr. Jan Knobloch.  
(WOUNDS AND INJURIES, surg.  
anesth. (Cz))  
(ANESTHESIA  
in traumatol. (Cz))

NOVAK, J.; LOMSKY, J.; KUBAT, B.

Our experience with the diagnosis of acute gastrointestinal hemorrhage.  
Cas. lek. cesk. 99 no.28:881-886 8 JI '60.

1. Chirurgická klinická základna Ústavu pro doskolování lékařů v  
Praze 8-Bulovka, přednostka prof. Dr. Sc. MUDr. Jan Knobloch, Chirurgické  
oddělení OUNZ Český Brod, primář MUDr. J. Lomský.  
(HEMORRHAGE GASTROINTESTINAL diag)

KUBAT, B.; PENKAVOVA, E.; FICAJ, M.

On the problem of therapy of perforated gastroduodenal ulcer. Rozhl.  
chir. 40 no.8:518-522 Ag '61.

1. Chirurgická klinická základna UDL v Praze 8, Bulovka přednosta  
prof. MUDr. J. Knobloch, doktor lékařských věd.

(PEPTIC ULCER PERFORATION surg)

L 34905-66 EWP(t)/ETI IJP(c) JD

ACC NR: AP6026588

SOURCE CODE: CZ/0034/66/000/002/0093/0097

AUTHOR: Kubat, Bohumil; Smalek, Josef--Shmalek, I.

ORG: Metallurgical Project, Prague (Hutni projekt)

TITLE: Fume removal from electric arc furnaces , 4

SOURCE: Hutnicke listy, no. 2, 1966, 93-97

TOPIC TAGS: arc furnace, gas filter, metallurgic machinery, metallurgic process, gas engineering

ABSTRACT: The basic principles of the problem are described. The methods for the removal of waste gases, the selection of a filtration station for these gases, the temperature and the combustion properties of these gases are discussed. Methods for additional combustion of ingredients of such gases are described; cooling of such gases, and a heat accumulator are discussed. Suitable furnace pressures are evaluated. Differences between the usual Czechoslovak processes, and the technological aspects of foreign processes are discussed. Orig. art. has: 5 figures. [Based on authors' Eng. abstract] [JPRS: 34,779]

SUB CODE: 13, 11 / SUBM DATE: none / ORIG REF: 004 / OTH REF: 004

Card 1/1 : 95

UDC: 669.188.2  
0976 22.88

KUBAT, F.

Working conditions on collective farms in the borderland.  
p. 105.

Ceskoslovenska akademia zemedelskych ved. SBORNIK, RADA  
ZEMEDELSKA EKONOMIKA

Vol. 28, No. 2 April, 1955

SOURCE: East European Accessions List (EEAL) Library  
of Congress. Vol. 5, No. 1, January, 1956

KUBAT, F.

KUBAT, F. A few remarks on the fodder base at collective farms. p. 259. Vol. 29, No. 4, July 1956. SLOVENIA. RADA ZE RDELSKA EKONOMIKA. Praha. Czechoslovakia.

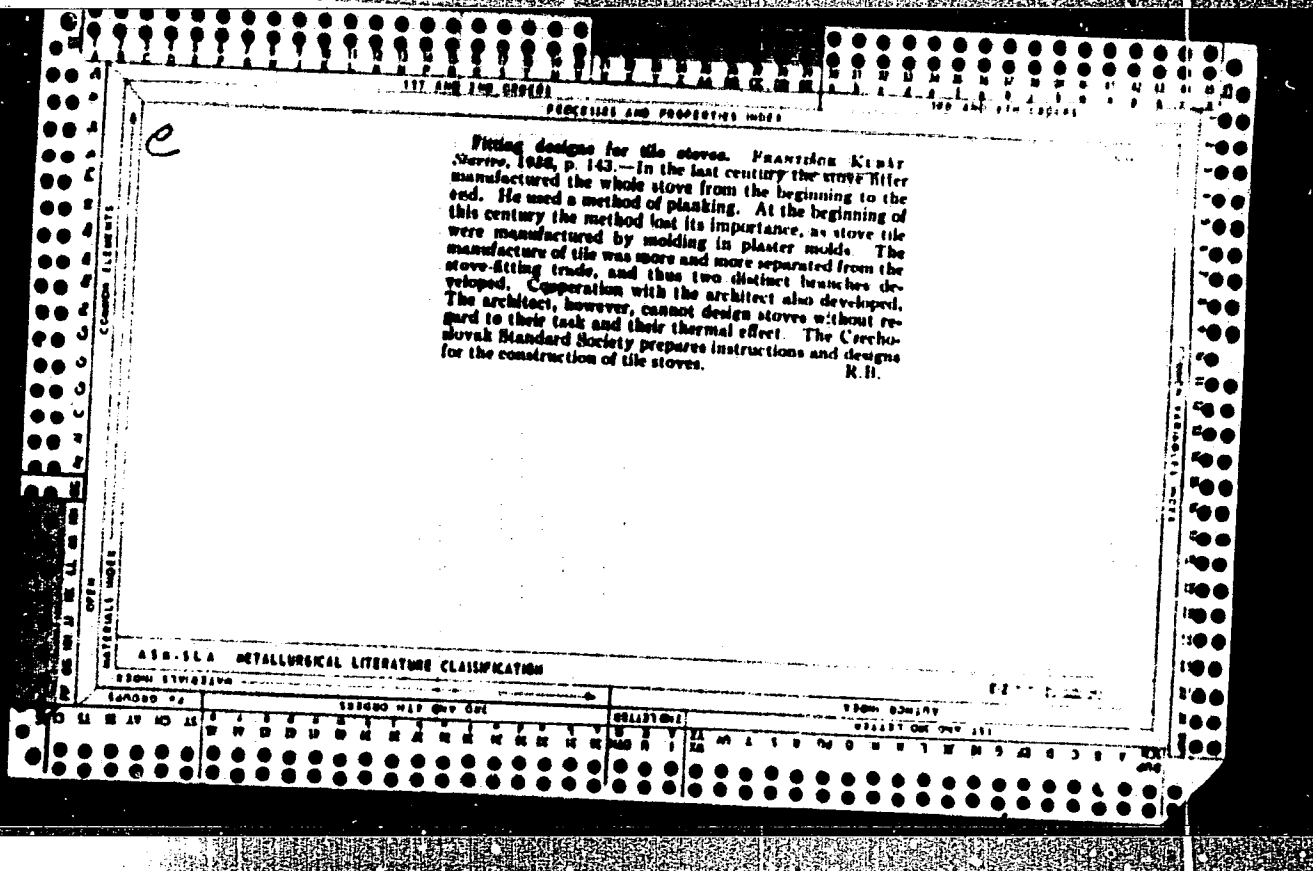
SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

KUBAT, F.

Organizing the transportation on sugar-beet collective farms during the fall harvesting period.

P. 335, (Sbornik Rada Zemedelska Ekonomia) Vol.30, no.4, Aug.1957, Praha, Czechoslovakia

SO: Monthly Index of East European Accessions (EFAI) Vol. 6, No. 11 November 1957





KUBAT, F.

"Planning the production of artificial stone for sewers." (p. 315). STAVIVO  
(Ministerstvo stavebnich hmot) Praha, Vol 31, No 11, Nov. 1953.

SO: East European Accessions List, Vol 3, No 8, Aug 1954

KUBAT, F.

"Principal Defects in the Glaze of Wall Tile", P. 244, (STAVIVO, Vol. 32, No. 7, July 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (REAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

KUCIAT, F.

Classification of ceramic tiles. p. 225.  
STAVIVO, Praha, Vol. 33, no. 7, July 1955.

SO: Monthly List of East European Accessions, (SEAL), LC, Vol.4, no. 18, Oct. 1955,  
Uncl.

KUBAT, F.

CZECHOSLOVAKIA / Chemical Technology. - Ceramics, Glass. - H-13b  
Ceramics, Binders, Concretes, Chemical  
Products and Their Application. Part 2.

Abs Jour : Ref. Zhur. Khimiya, No 4, 1958, 11984.

Author : F. Kubat.

Inst : Not given

Title : Automatization of Pressing of Ceramic Lining Materials and  
Faience Tiles.

Orig Pub : Stavivo, 1957, 35, No 6, 234 - 236.

Abstract : The existing methods of manufacturing ceramic lining  
materials and faience tiles by pressing powder-like masses,  
stamping kneaded mass preliminarily prepared on belt presses,  
moulding on vertical or horizontal belt presses, casting of  
drossy mass on heat resisting porous bottom plates and hand

Card 1/2

CZECHOSLOVAKIA / Chemical Technology. - Ceramics, Glass. - H-13b  
Ceramics, Binders, Concretes, Chemical  
Products and Their Application. Part 2.

Abs Jour : Referat Zhurnal Khimiya, No 4, 1958, 11984.

Abstract : modeling are enumerated. The gradual improvement of presses  
for manufacturing tiles is described. The shortcomings and  
advantages of English (hinged) and German (hinged-toggle)  
presses are pointed out. The expedience of forming front  
wall ceramics over 10 cm thick grouped in blocks on belt  
presses is established.

Card 2/2

KUBAT, F. LACH, V.

Austria. II. The ceramic industry. p. 248.

(Stavivo. Vol. 35, no. 6, June 1957. Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

KUBAT, F.

J. Koller's Topina v domacnosti (Home Heating); a book review. p. 335.  
(STAVIVO, Vol. 35, No. 9, Sept 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (REAL) LC, Vol. 6, No. 12, Dec 1957. Uncl.

KUBAT, Izet

Hübnerrits near the village of Cumavici, East Bosnia. Cool glas  
BiH 7:27-31 '63.

DURIC, Strahinja; KUBAT, Izet

Occurrences of copper ore in the area of Cavka Mountain in Bosnia.  
Geol glas BiH no.6:197-218 '62.



KUBAT, J.; SEDIVY, M.

New testing methods for corrugated board. p. 176.

PAPIR A. CELULOSA. (Ministerstvo lesu a drevarskeho prumyslu) Praha, Czechoslovakia.  
Vol. 14, no. 8, Aug. 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 8, no. 10, Oct. 1959.  
uncl.

KUBAT, J.; SVATEN, M.

Retention of mannogalactane gums in paper, p. 223

PAPÍR A CELULOZA. (Ministerstvo lesu a dřevářského průmyslu) Praha,  
Czechoslovakia, Vol. 14, no. 10, Oct. 1959

Monthly List of East European Accession (EAI) LC, VOL. 9, no. 1,  
Jan. 1960

Uncl.

KUBAT, Jan

Comment on the draft of the Law on Inventions. Ropa a uhlie 5  
no.4:100 Ap '63.

KUBAT, Jan

Conditions for patentability of inventions. Kozarstvi 13  
no.3:98 Mr '63.

KUBAT, Jan, inz. (Praha)

Properties of the unbleached reed pulp and its use in paper-making.  
Papir a celuloza 17 no.2:29-32 F '62.

KUBAT, Jan

Rewards for collaboration in the application of improvement  
suggestions. Kozarstvi 13 no. 11: 350 N '63.

KUBAT, Jan, inz.

Patents. Ropa a uhlie 6 no.11:351 N '64.

KUBAT, Jan

Patent application and protection of Szechoslovak inventions  
abroad. Kozarstvi 14 no. 5:158 My '64.



KUBAT, Jan

How to proceed when it is doubtful whether an object or production process is protected by a Czechoslovak patent. Kozarstvi 14 no. 6:192 Je '64.

KUBAT, Jan, inz.; SEDIVY, Milan

Comparison of physical and analytic properties of pulps with different yields. Papir a celuloza 19 no. 1:13-18 Ja '64.

1. Urad pro patenty a vynalezky, Praha, Vyzkumny ustav papiru a celulosy, pracoviste Praha.

KUBAT, Jan, inz.

Possibilities of using the literature on patents in paper and  
cellulose manufacturing. Papir a celuloza 19 no.10:284-285  
0 '64.

KUBAT, Jan

Orientation in patent classification and possibilities of  
using the literature on patents. Kozarstvi 14, no.11:341  
N '64.