

L 56702-65 EWT(1)/EPA(sp)-2/EPF(c)/EPA(w)-2/EEC(t) Pab-10/Pr-4/Peb AT
 ACCESSION NR: AP5018989 CZ/0038/64/010/012/0446/0446

AUTHOR: Prazak, Jaroslav (Prazhak, Ya.); Seidl, Zdenek (Seydl, Z.)

TITLE: High-frequency ion source 2/

SOURCE: Jaderna energie, v. 10, no. 12, 1964, 446

TOPIC TAGS: ionization, proton, deuteron

Abstract [summaries only, authors' Czech summary modified]: The design of a H-f ion source of protons and deuterons with a two-lense ion-optical system is described, and the results of the stand tests of this source are given. The optimum parameters of the ion source and its ion-optical system are the following: ionic current, 150 to 200 μ A; gas consumption, 9 normal cubiccentimeters per hour; power input of high-frequency generator, 60 to 120 W; extraction voltage, 2 to 2.5 kV; voltage of unipotential lense, 17 to 21 kV; voltage of gap lense, 10 to 60 kV. The ion source is intended for a 5 MV electrostatic generator of the Van de Graaff type.

Card 1/2

L 56702-65

ACCESSION NR: AB5018989

ASSOCIATION: Ustav jaderného výzkumu CSAV, Rez (Nuclear Research Institute CSAV)

SUBMITTED: 00

ENCL: 00

SUB CODE: NP,

NR REF SOV: 000

CTHER: 000

JPRS

Card

PR
2/2

DOWZENKO, Anatol; SEIDEL-KOŁODZIEŃCOWA, Anna

Pronounced cerebellar ataxia in polyradiculitis. Neurol. etc.,
polska 11 no.3:401-403 '61.

1. Z Kliniki Neruologicznej AM w Poznaniu Kierownik: prof. dr
A. Dowzenko.

(POLYRADICULITIS compl) (ARAXIA compl)
(CEREBELLUM dis)

SEIDLER, ALOIS.

Kontrola retezcoých toleranci vypočtem; vypočet vůli a přesahu.
(1. vyd.) Praha, Průmyslové vydavatelství, 1951. 89p. (Kniznice
kovoprůmyslu, sv. 64) (Control of component tolerances by calculation;
calculation of permissible variations and excesses. 1st. ed. diagrs.,
tables)

SO: Monthly List of East European Accessions (EEAL), LC, Vol. 5, no. 12
December 1956

SEIDLER, ALOIS.

Tolerovani a mereni velkych rozmeru. (Vyd. 1.) Praha, Prumyslove
vydavatelstvi, 1951. 145 p. (Kniznice kovoprumsu. sv. 50)
(Tolerances and measurement of large dimensions. 1st ed. illus.,
index, tables)

SO: Monthly List of East European Accessions (EEAL), LC, Vol. 5, no. 12
December 1956

SEIDLER, ALON

Rezni zavitove kalibry. Praha, Statni nakl. technicke literatury, 1955.
p. 584.

Source: East European Accession List. Library of Congress
Vol. 5, No. 8, August 1956

SEIDLER, ALOIS.

Prirucka naradi CSN; licovani zavitu a mezní zaviteve kalibry. 1.vyd. (Alois Seidler a kolektiv)

Praha, Czechoslovakia. Statni nakl. technicke literatury, 1959. 247 p.

Monthly list of East European Accessions (EEAI) LC, Vol. 9, no. 1, January 1960.

Uncl.

SEIDLER, Alois

Metric thread with a profile recommended by the International
Organization for Standardization, thread tools and gauges.
Normalizace 13 no.3:89-91 Mr '65.

1. Office of Standardization and Measurement, Prague.

L 38318-66

ACC NR: AP6028009

SOURCE CODE: CZ/0057/66/000/003/0115/0118

AUTHOR: Seidler, E. (Engineer); Zygma, A. (Engineer)

ORG: Klement Gottwald Vitkovice Iron Works, Ostrava (Vitkovicke Zelezarny K.G.)

TITLE: Anthracite as substitute fuel in ore agglomeration

SOURCE: Hutnik, no. 3, 1966, 115-118

TOPIC TAGS: coke, solid fuel, fuel property, metallurgic industry

ABSTRACT: Because of a shortage of coke, anthracite is a valuable substitute fuel for iron ore agglomeration in Czechoslovakia. 30-40% of coke powder may be replaced by anthracite, provided the combustion heats are equal, without any deterioration of the quality of the produced agglomerate. The importance of finding additional substitute fuels for coke is emphasized. Orig. art. has: 1 figure and 7 tables. [JPRS: 36,646]

SUB CODE: 21, 05 / SUBM DATE: none / SOV REF: 003 / OTH REF: 004

Card 1/1

SEIDLER, Emil inz.

Iron ore agglomeration with partial replacement of solid
fuel with other heat source. Hut listy 16 no.5:307-311 My '61.

1. Vyzkumny ustav, Vitkovicke zelezarny Klementa Gottwalda,
Ostrava.

SEIDLER, I. I.

Ya. Ya. Shkolman and I. I. Seidler

"Reaction Kinetics of the Formation of Acidic Esters in the Reaction of Phthalic Anhydride with Glyderol. 1st Report: Investigations of the Formation Process of Aliyd Resins." Journal of Applied Chemistry 23, 81-98, January 1950, Tchelyabisk, Central Laboratory of the Lacquer Plant.

ABSTRACT AVAILABLE

D-50054

SEID/ER, J

1382. ON THE CONCEPT OF INDETERMINANCY (ENTROPY) 621.391
J. Seidler

Arch. elektrotech. (Warsaw), Vol. 5, No. 1, 401-27 (1958). Is Polish.

The properties of entropy, regarded as the measure of spread, are discussed for continuous signals and several generalizations over the discrete case are obtained. The influence of the measure of volume and of transformations in signal spaces is stressed. The system is characterized by the average value of the (weighted) distance between the signals and the expected input signal, and the measures of spread are expressed in terms of entropy. For dispersion, the lower bound of an error is obtained from a minimizing problem with a constant conditional entropy. As an example, for Gaussian stationary signal and noise, the average error power in the infinite delay Wiener-filter and the power of quantization noise (when optimal coding is applied) are equal. In this case, the linear filter gives the absolute minimum of error, and no improvement could be obtained with the non-linear filter. Finally, the estimates of error are given when the measure of spread is defined in terms of the probability that the input signal lies outside a set (containing the expected signal), and of the volume of that set.

R. Syaki

[Handwritten notes: "Green" and "2/15" on the left margin; "W.S." and "B.W." on the right margin]

SEIDLER, J.

Some Remarks on Statistical Methods in Communication Theory. J. Seidler, *Arch. Elekt. Uebertrag.* Vol. 11, No. 4, 1957, pp. 251-257. Mathematical investigation of the receiver function including some well known definitions.

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35343

S/194/62/000/001/058/066
D201/D305

6.9260

AUTHORS: Bartkowski, Tadeusz and Seidler, Jerzy

TITLE: An analogue pulse correlator

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika,
no. 1, 1962, abstract 1-7-209m (Zesz. nauk. Politechn.
gdansk., 1960, no. 20; 49-65)

TEXT: A description of a correlator is given as used for the analysis of functions given in analogue form, with the spectrum occupying the 50 - 20,000 c/s frequency band. Two readings shifted in time modulate in phase and length the pulses of a synchronous multivibrator. By integrating the modulated pulses it is possible to obtain a constant voltage which is proportional to the correlation function. The correlator may be used for obtaining both the correlation and auto-correlation function. 13 references. /Abstracter's note: Complete translation. /

X

Card 1/1

S/194/62/000/004/095/105
D201/D308

6-7000
AUTHOR: Seidler, Jerzy

TITLE: Loss of information due to quantization

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika,
no. 4, 1962, abstract 4-7-12ye (Zesz. nauk. politechn.
gdansk., 1960, no. 20, 67-76)

TEXT: The amount of information transmitted through a communication system is determined for continuous and level quantized reading. It is assumed that the signal is transmitted in the presence of interference with an even probability distribution; the average power of both continuous and quantized detected signals is assumed to be the same. Graphs of the dependence of transmitted information on the signal-to-noise ratio and on the number of quantization levels are obtained. It is seen from the graphs that quantization always reduces the amount of transmitted information. For a given S/N ratio there always exists an optimum number of quantization levels. 6 references. /-Abstracter's note: Complete translation._/ ✓ 12

Card 1/1

6,9000

39902

S/044/62/000/007/078/100
C111/0333

AUTHOR:

Seidler, J.

TITLE:

The connections between the information theory and the theory of decision functions as applied to the problems of telecommunications

PERIODICAL: Referativnyy zhurnal, Matematika, no. 7, 1962, 53-54, abstract 7V241. ("Zastosow. mat.", 1960, 5, no. 3, 213-245)

TEXT: An ordinary scheme for the transmission of information is considered. The following designations are introduced: X -- signal space at the input, Y -- signal space at the output, p -- the probability measure on X , $P_{X \times Y}$ -- the joint probability measure in the space $X \times Y$, P_Y -- the probability measure on Y induced by the above joint distribution, $P_{X/Y}$ -- the conditional probability measure in X with fixed $y \in Y$.

Point solution -- this is a signal from X in which the received signal is decoded. Domain solution -- this is a set A from X in which the received signal is decoded (i. e., after a signal is received at the Card 1/7

S/044/62/000/007/078/100
C111/C333

The connections between the . . .

output, it is maintained that the transmitted signal belongs to A .
Given is a deficiency function $R(x', x'')$; $x' \in X$, $x'' \in X$

$$r(x^*/y) = \int_X R(x, x^*(y)) dP_{X/Y}$$

is denoted as the risk $r(x^*/Y)$. The mean risk $r(x^*/Y)$ is defined by

$$r(x^*/Y) = \int_{X \times Y} R(x, x^*(y)) dP_{X \times Y} = \int_Y r(x^*, y) dP_Y.$$

The author suggests that the quality of the domain solution be estimated by the numbers

$$r(A/Y) = \int_X R(x, A(y)) dP_{X/Y}, \quad D(A/Y) = \int_Y [A(y)] dP_Y.$$

If

$$R(x, A) = \begin{cases} 0, & x \in A \\ 1, & x \in X \setminus A \end{cases}$$

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C111/C333

The connections between the . . .
then in this case the simple expression

$$r(A/y) = P_{X/Y} [X - A(y)] = P_0(y)$$

is obtained for $r(A/y)$. The author estimates the quality of the solution by using the conditional entropy $H(X/y)$, which is defined by

$$H(X/y) = \int_X [-\lg P(x/y)] P(x/y) dx(x).$$

The formula

$$r(x^*/y) = \frac{1}{k} [H(X/y) + \lg k_1 + \Delta_1(y, k_2)]$$

holds, where

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$$k_1 = \frac{1}{\int_X \exp[-k_2 R(x, x^*)] d\gamma(x)}$$

$$\Delta_1(y, k_2) = \int_X \left[-\lg \frac{p^*(x/x^*(y), x_2^*)}{p(x/y)} \right] p(x/y) d\gamma(x) > 0$$

and

$$p^*(x/x^*(y), k_2) = k_1 \exp[-k_2 R(x, x^*)].$$

k is arbitrary in the given formulas. Moreover, the inequalities

$$r(x^*/y) \geq \frac{1}{k_2} [\bar{H}(X/y) + \lg k_1]$$

hold for arbitrary k_2 . Considered is the important special case where X is an n -dimensional cube, γ is the n -dimensional Lebesgue measure and

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C111/C333

$$R(x', x'') = \sum_{i,j=1}^n a_{ij} (x'_i - x''_i) (x'_j - x''_j)$$

where the matrix $\| a_{ij} \|$ is symmetrical and not degenerate. Then

$$r(x'/y) = \frac{n}{2\pi e} | a_{ij} |^{1/n} \exp \frac{2}{n} \left[R(x'/y) + \Delta_1 \left(\frac{n}{2r(x'/y)} \right) \right]$$

holds.

The concept of the preliminary term is then introduced, which transforms the signal at the output before the decoding. The preliminary term is described by the operator T which maps Y in the space Y' . The quality of the preliminary term is defined by

$$\Delta_{sw}(y) = \int_X \left[- \lg \frac{p(x/T(y))}{p(x(y))} \right] p(x/y) d\gamma(x)$$

and the mean quality by

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The connections between the . . .

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C111/0333

$$\bar{\Delta}_{SW} \int_Y \Delta_{SW}(y) dP_Y .$$

The formulas

$$\begin{aligned} \bar{\Delta}_{SW} &= H(X/Y') - H(X/Y), \\ r(x^*/Y') &= \int_{X \times Y} R[x, x^*(y')] dP_{X \times Y} > \\ &> \frac{n}{2\pi e} \exp \left\{ -\frac{2}{n} [H(X/Y) + \Delta_{SW} + \bar{\Delta}_1] \right\}, \\ r(A/Y') &= \int_{Y'} P_0(y') dP_{Y'} > \\ &> K_1 \left[H(X/Y) + \Delta_{SW} + \Delta_2', \frac{\gamma d}{\gamma X} \right], \end{aligned}$$

hold, where

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The connections between the . . .

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C111/C333

$$\bar{\Delta}_1 = \int_Y \Delta_1(y) dP_Y > 0,$$

$$\Delta_2(y) = \int_X [-\lg p^*[x/A(y)] \cdot p(x/y) d\gamma(x) - \\ - \int_X [-\lg p(x/y)] p(x/y) d\gamma(x).$$

[Abstracter's note: Complete translation.]

Card 7/7

S/194/62/000/002/029/096
D230/D301

9.8300

AUTHOR:

Seidler, J.

TITLE:

Exact calculation of errors in a telemetry system for
the case of small noise

PERIODICAL:

Referativnyy zhurnal, Avtomatika i radioelektronika,
no. 2, 1962, abstract 2-2-128t (Bull. Acad. polon.
sci. techn., 1961, 9, no. 4, 217-223)

TEXT: An approximate evaluation of errors due to noise in a commu-
nication channel was given by V. A. Kotel'nikov. This evaluation
was only for the case of very small noise. A method is introduced
for calculating the first and second order errors, with any desired
accuracy, for normal transient processes as a function of rapidly
converging series of the signal to noise ratio; in particular, the
series obtained yield a mean square error. The first term of the
series is the mean square error introduced by V. A. Kotel'nikov.
Pulse-time modulation is discussed as an example. The discussion is
performed for two concrete laws of input signal variation: an expo-

Card 2

Card 1/2

34906

2/507/61/011/032/001/006
3271/3303

6.4400

6.9400

AUTHOR: Seidler, J.

TITLE: . Methods for receiving signals in the presence of noise

SOURCE: Warsaw. Przemyslowy Instytut Telekomunikacji. Prace,
v. 11, no. 32/33, 1961, 1 - 50

ABSTRACT: The author attempts to present a unified theory of optimization of equipment, used for receiving signals in the presence of noise; the theory is based on decision functions and both prospective and retrospective procedures are applied; an optimum solution is sought without regard to the complexity of the equipment including computers. All information is divided into 5 classes: Class of binary data - X_2 ; class composed of a finite number of signals, e.g. letters of the alphabet - X_L ; class of continuously varying unidimensional data - X_{C1} ; class of multi-dimensional data - X_{CK} and class of data which are functions of time - $X_{C\infty}$. Both multiplicati-

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2/507/61/011/032/001/006
D271/D303

Methods for receiving signals in ...

ve and additive distortions introduced by the transmission channel are stochastic processes; if the received signal depends on chance factors, the channel is described by conditional probability. When the signal is uncertain due to chance factors, the receiver has to take a decision; this may be either a point decision or a space decision which assumes that the original signal is located within certain limits. If x has been transmitted and x^* has been decided upon as the true signal, $R(x, x^*)$ is the loss function which should be supplied to the system designer; loss may mean, e.g., a false alarm or lack of alarm. If the loss is defined as the squared difference between the transmission and the decision, the mean square error is called risk; this depends on loss, common probability of transmitted and received signals and on the decision rule; the optimal rule brings about the minimum risk; the receiver is a computer which calculates the decision when it receives a signal. The general method of optimization leads in the case of the class X_2 to the formula

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B271/B303

$$x^*(y) = \begin{cases} x_1, & \text{if } \frac{P(X = x_2/y)}{P(X = x_1/y)} \leq R \\ x_2, & \text{if } \frac{P(X = x_2/y)}{P(X = x_1/y)} > R \end{cases} \quad (2.16)$$

where P is the symbol of conditional probability and R is loss. The threshold value y_0 is such that below it the decision is to be x_1 and above it - x_2 . Error probability of the decision depends solely on the properties of signals and noise, and not on the loss function and threshold value; the half sum of the decision error probabilities is known as Lawson's criterion of the ideal observer. The risk may be considered either from the transmitter or the receiver point of view, i.e. the approach may be prospective or retrospective. The analysis of class X_I assumes a synchronized system and leads to the following formula for the conditional probability that x_1 was transmitted when y was received:

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D271/D303

$$P(x_1/y) = CP(x_1)p[y(\cdot)/x_1] \quad (3.5)$$

where C is a constant which may be determined from normalizing conditions and $P(x_1)$ is an a priori probability of x_1 . Analogue methods for computing the conditional probability are described; a periodical adder is used, e.g. a rotating magnetic drum. Different formulae are obtained in the case of radar clutter noise which must not be regarded as white noise. An analysis of the quality of optimal binary decisions proves that phase telegraphy requires the least energy for the same quality. A block schematic of equipment for optimal decisions in class X_L is shown consisting of elements computing probabilities $P(x_1/y)$, elements computing conditional risks, and a circuit selecting the greatest number and sending the decision number. Reception methods for class X_{C1} have only theoretical value as the basis of comparison of non-optimal methods possible in practice: The general theory of amplitude and non-linearly modulated signals is presented using the geometric theory of signals as vectors in function space; optimal decision errors are again analyzed.
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Methods for receiving signals in ...

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D271/D503

A computer for receiving multi-dimensional data, e.g. radar information, is shown in a block diagram. Methods for computing the probability of information transmitted by passive parameter dependent signals are discussed; passive parameters are treated as random magnitudes with a known distribution law; signals are discussed; passive parameters are treated as random magnitudes with a known distribution law; signals are considered which may assume a finite number of states, amplitude modulated signals with phase fixed but unknown, signals with unknown phase and amplitude, signals transmitted by a sequence of pulses and data transmitted by noise signals. The quality of optimal and non-optimal decisions induced by passive parameters dependent signals is compared in several diverse cases. A formula is derived in the Appendix for the probability density of the realization of a Gaussian process and linear functionals of stochastic processes are discussed. D.G. Tucker and J.W.R. Griffith of Birmingham University are thanked for discussing with the author many problems. There are 35 figures and 71 references: 23 Soviet-bloc and 48 non-Soviet-bloc.

SUBMITTED: August 14, 1960

Card 5/5

S/194/62/000/009/062/100
D295/D308

AUTHOR:

~~Seidler, J.~~

TITLE:

Methods of reception of threshold signals in the presence of noise

PERIODICAL:

Referativnyy zhurnal, Avtomatika i radioelektronika, no. 9, 1962, 13, abstract 9Zh73 (Prace Przemysł. inst. telekomun., v. 11, no. 32-33, 1961, 1-51 (Pol.; summaries in Eng., Fr. and Rus.))

TEXT: An attempt is made at a systematic approach on the basis of decision function theory, to the problem of optimizing equipments for signal reception in the presence of noise. Methods are considered for the reception of signals carrying discrete messages or unidimensional and multidimensional continuous messages. New and more exact estimates are obtained for the minimum mean-square error in systems with modulation. The general outline of the analysis consists in determining first the ideal receiver and then evaluating the performance of optimum solutions which is compared

Card 1/2

KULIKOWSKI, Juliusz Lech, dr inż.; SEIDLER, J.; REUTT, Antoni, mgr inż.;
FINDEISEN, Władysław

Review of technical literature. Przegl elektrotechn 41 no.1:
29-34 Ja '65.

SEIDLER, L. DR.

PROCHAZKA, J., prof. Dr; SEIDLER, L., Dr.

Effect of chloromycetin on bacterial carriage in typhoid fever.
Cesk. hyg. epidem. mikrob. 2 no.2:115-119 Apr '53.

1. Infekčni oddelení SON, Bulovka.
(TYPHOID FEVER, therapy,
chloramphenicol)
(CHLORAMPHENICOL, therapeutic use,
typhoid fever)

SEIDLER, Ladislav,

MIROVSKY, Jiri, MUDr; SEIDLER, Ladislav, MUDr

Prevention of measles with gamma globulin and pooled human plasma.
Prakt. lek. 34 no.10:232-235 Ap '54.

1. Z I. inf. oddel. na Bulovce; prednosta prof. Dr. Jaroslav Prochazka. 2. Z II inf. odd.; prednosta doc. Dr. Vaclav Kredba
(MEASLES, prevention and control
*gamma globulin, with pooled human plasma)
(GAMMA GLOBULIN, ther. use
*measles, prev., with pooled plasma)

SEIDLER, L.

Experience in prevention of measles with dried human plasma at the pediatric departments in Greater Praha region. Prakt. lek., Praha 35 no.4:88-89 20 Feb 55.

1. II. infekcni oddel. OUNZ Praha 8; prednosta Doc. MUDr. V.Kredba
(MEASLES, prevention and control
plasma, dried, use in Czech.)
(PLASMA, ther. use
dried plasma in prev. of measles in Czech.)

KREDBA, V., Doc., Dr.; SEIDLER, L., ord., Dr.

Infections and infectious food poisoning. Prakt. lek., Praha
35 no.11:243-244 5 June 55.

1. Infekční klinika hygienické fakulty lékařské v Praze na
Bulovce.

(FOOD POISONING
diag. & ther.)

EXCERPTA MEDICA Sec. 6 Vol. 11/9 Sept. 57

SEIDLER L.

5120. SEIDLER L. Infekt. Klin. Prag, Bulowka. *Schwangerschaftsverlauf bei Typhuskranken, die mit Chloramphenikol behandelt wurden. Course of pregnancy in patients with typhoid fever treated with chloramphenicol Z. GES. INN. MED. 1956, 11/9 (425-427)
The course of pregnancy in 4 cases was normal, the parturition with one exception took place at term and the mothers as well as the children were healthy.
Kluska - Brno (XX, 10, 6)

SEIDLER, Ladislav

Rectoromanoscopy in acute dysentery. Cas. lek. cesk. 95 no.43:
1212-1216 26 Oct 56.

1. Infekcni klinika Praha 8 - Bulovka.

(DYSENTERY BACILLARY, diag.

rectoromanoscopy in acute bacillary dysentery (Cz))

EXCERPTA MEDICA Sec 6 Vol 13/11 Internal Med. Nov 59

6219. A CASE OF PARATYPHOID B CARRIER-STATE IN A 4-YEAR-OLD BOY WITH PREDOMINANTLY URINARY EXCRETION - Ein Fall von Paratyphus-B-Bazillenträgertum mit vorwiegender Urinausscheidung bei einem vierjährigen Jungen - Seidler L. and Sváb L. Klin. für Infektionskrankh. Prag 8, Bulovka, ÚFÖI, Abt., Prag 8, Bulovka - Z. ARZTL. FORTBILD. 1959, 53/4 (260-262) Tables 2

A case showing hydronephrosis and hydroureter, with urinary excretion of S. paratyphi B is described. After nephrectomy, the intensity of urinary excretion decreased, but excretion of S. paratyphi B by the intestinal route continued.

Havlík - Prague (L, 6)

Seidler, M.

P O L .

Manurial action of "Nitrate-ammonium ammoniate" compared with other nitrogenous fertilisers. A. Lyczkowski and M. Seidler (Roczn. Nauk Rol., 1954, 60, A, 93-100).—In trials with ~~oats and~~ barley comparison, as N sources, is made of NH_4NO_3 , (I) NaNO_3 , aq. NH_3 , and "Nitrate-ammonium ammoniate" (aq. NH_3 + I; sp. gr. 1.115: N as NH_3 , 13.8%, N as I 16.3%). The final yields were of the same order with all forms of N although small differences in the case of barley favoured NO_3^- and in that of oats favoured the ammoniate. There was a tendency for the absorption of N. by barley to be greater from NaNO_3 and NH_3 than from I or the ammoniate. Oats absorbed N rather more readily from aq. NH_3 than from the other sources of N. In general the ammoniate mixture showed no appreciable advantage over the other materials.

A. G. POLLARD.

SEIDLER, M.

Possibilities of better results in treatment of cancer of the
uterine cervix. Polski tygod. lek. 6 no. 36:1143-1150 3 Sept.
1951. (CLML 21:3)

1. Of the Obstetric-Gynecological Department of the Hospital imienia
Narutowicz, Krakow.

SEIDLER, M.; ZAJAC, F.

Anticoagulants in therapy of thromboses and infarcts. Przegl. lek.,
Krakow 8 no. 9:259-265 1952. (CLML 23:5)

1. Of the Obstetric-Gynecological Department (Head--Docent M. Seidler,
M. D.) of the Hospital imienia G. Narutowicz in Krakow.

SEIDLER, Maksymilian

BIERNACKA, Janina; OSTROWSKI, Wlodzimierz; SEIDLER, Maksymilian;
SKARZYNSKI, Boleslaw

Modifications of blood proteins in pre-eclamptic conditions and
in eclampsia. Polski tygod. lek. 9 no.17:513-517 26 Apr 54.

1. Z oddzialu ginekologicznego Szpitala im. Narutowicza, kierownik;
doc. dr M.Seidler i z Zakladu Chemii Fizjologicznej A.M. w
Krakowie, kierownik: prof. dr B.Skarzynski.

(BLOOD PROTEINS, in various diseases,
eclampsia & pre-eclampsia)

(ECLAMPSIA, blood in,
proteins in eclampsia & pre-eclampsia)

SEIDLER, MAKSYMILIAN

SEIDLER, Maksymilian

Observations and considerations on surgical therapy of cervical cancer. Przegl. lek. 10 no.4:131-135 Ap '54.

1. Z Oddziału Położniczo-Ginekologicznego Szpitala im. G.Narutowicza w Krakowie. Kierownik: doc. dr M.Seidler.
(CERVIX, UTERINE, neoplasms,
*surg.)

SEIDLER, MUDr.

PATTOVA, MUDr; SEIDLER, MUDr

Clinical course of virologically verified influenza during the epidemic of 1954. Prakt. lek., Praha 34 no.20:461-462 20 Oct 54.

1. Inf. odd. nem. Praha VIII (predn. doc. Dr V.Kredba)
(INFLUENZA,
clin. aspects)

SEIDLER, M.; PRZYLUKI, Z.; WEGSCHEIDER, J.

Indications and results of vagino-abdominal surgery. Gin. polska
26 no.1:55-59 Jan-Mar 55

1. Z Oddziału Polozniczo-Ginekologicznego Szpitala im. G.Narutowicza
w Krakowie. Kierownik: doc. dr M.Seidler.
(GYNECOLOGICAL DISEASES, surgery,
indic. & results)

SEIDLER, Maksymilian; BEDNARCZYK, Wacław

Recent views on the behavior of the adrenal cortex in normal & toxemic pregnancies. Polski tygod. lek. 13 no.6:226-229 10 Feb 58.

1. Z II Kliniki Położnictwa i Chorob Kobietych A. M. w Krakowie;
kierownik: prof. dr Maksymilian Seidler. Adres: Krakow, ul. Długa 37.

(PREGNANCY, physiol.

adrenal cortex, comparison with toxemic pregn. (Pol))

(PREGNANCY TOXEMIAS, physiol.

adrenal cortex, comparison with normal pregn. (Pol))

(ADRENAL CORTEX, physiol.

in normal & toxemic pregn., comparison (Pol))

SEIDLER, Maksymilian; KOWALSKI, Edward; WEGSCHEIDER, Janusz; MALSKI, Michal;
BIENIASZ, Andrzej; SIERANT, Elzbieta; LESINSKA, Barbara

Painless labor. Polski tygod. lek. 14 no.29:1329-1337 20 July 59.

1. (Z II Kliniki Poloznictwa i Chorob Kobietch A. M. w Krakowie;
kierownik: prof. dr Maksymilian Seidler).
(LABOR)

SEIDLER, Maksymilian; MEDVEY, Wojciech; WEGSCHEIDER, Janusz

Prevention of thrombosis in obstetrics. Polski tygod. lek. 14
no.33:1525-1528 17 Aug 59.

1. (Z II Kliniki Chorob Kobietych i Poloznictwa A. M. w Krakowie;
kierownik: prof. dr med. Maksymilian Seidler).
(THROMBOSIS, prev. & control) (DELIVERY, compl.)

SEIDLER, Maksymilian; MIECZNIKOWSKA, Andrzej

Role of hormones of the adrenal cortex in obstetrics. Pol. tyg. lek.
17 no. 4:1605-1608 8 0 '62.

1. Z II Kliniki Polozniczo-Ginekologicznej AM w Krakowie; kierownik.
prof. dr Maksymilian Seidler.

(ADRENAL CORTEX HORMONES)

(PREGNANCY COMPLICATIONS)

SEIDLER, R.

SEIDLER, R., MUDr; DANESOVA, J., MUDr; NOVAKOVA, E., MUDr

Plasma transfusion in therapy of serious cases of ulcerative stomatitis
in children. Cesk. pediat. 10 no.1:25-26 Feb 55.

1. II Infekcni odd. na Bulovce (predn.: Doc. Dr. V.Kredba)
(VINCENT'S INFECTION, in infant and child
ther., blood transfusion)
(BLOOD TRANSFUSION, in various diseases
Vincent's infect. in inf. & child.)

SEIDLER, S.

POL

Use of distillery potato slop-illage and chicory-potato slop-illage for fattening young cattle. S. Seidler, *Russ. Nauk. vol.*, 1954, 68, B, 235-252. The two slops together with hay, straw, dried sugar-beet pulp, and concentrates gave satisfactory results in fattening young (1-2½ years) steers. A. G. POLLARD.

SEIDLER, S.

R.O.L. 3

✓ Hay as a food for swine. S. Seidler (Roman. News. vol. 1954, 69, 105-128).—Tabular data are presented and discussed. E. G. BRICKELL

SEIDLER, S.

POL

Sweet lupin seed in swine feeding. S. Seidler (*Mod. Naut. vol.*
1954, 69, 129-151). Chemical composition, nutritive value, and
methods of removal of poisonous matter are detailed for various
lupins. The seed is a highly valuable food and can replace approx.
1/3 of the animal protein of the ration. E. G. BRICKELL.

BRIDGER, Stefan

Nutritive value of ammoniated beet pulp. Zesz probl post
nauk roln. ss.41:107-114. '63.

1. Kierownik Katedry Wyższej Szkoły, Wyższa Szkoła
Rolnicza, Szczecin.

SEIDLER, Stefan

Studies on the nutritive value of ammoniated beet pulps. Prace
przyrodn. Szczecin 24 no.1:1-60 '65.

SEIDLER-DYMITROWSKA, Maria

Chemical Abst.
Vol. 48
Apr. 10, 1954
Biological Chemistry

6
(5)

The distribution of vitamin C in the cornea with experimental ulceration. Tadeusz Krwawicz, Maria Seidler-Dymitrowska, and Andrzej Vorbrodt (Z. Klin. Okulistyczne, Akad. Med. Lublin, Poland). Ann. Univ. Mariae Curie-Skłodowska, Lublin-Poland, Sect. D, 7, 189-80 (1952). (English summary).—In rabbits with exptl. corneal ulceration, vitamin C (I) was found in the region of ulceration if this was superficial. Subconjunctival injection of I caused an accumulation of I in the region of ulceration; this effect was less marked with intravenous injections. Subconjunctival and intravenous injections of I given simultaneously caused an increased reaction to I in the region of ulceration.
L. J. Piotrowski

9-20-54

SEIDLER-DYMITROWSKA, M.

Relation of histochemical changes of the eye to age. Klin. oczna 23 no.1:
1-24 1953. (CLML 24:4)

1. Of the Eye Clinic (Head--Prof. T. Krwawicz, M.D.) of Lublin Medical
Academy.

KRWAWICZ, Tadeusz; SEIDLER-DYMITROWSKA, Maria; VORBRODT, Andrzej

Significance of vitamin C in fixed cells of the cornea in
determination of its role in the active mesenchyma. Klin.
oczn. 24 no.2:93-98 1954.

1. Z Kliniki Okulistycznej Akademii Medycznej w Lublinie.
Kierownik: prof. dr T.Krwawicz.
(VITAMIN C, metabolism, CORNEA) (CORNEA, metabolism,
*vitamin C)

SEIDLER-DYMITROWSKA, Maria; DZIERZYKRAJ-ROGALSKI, Wadeusz

Iridoschisis as an unusual disease of the iris. Klin. oczna 24 no.3:
207-213 1954.

1. Z Kliniki Okulistycznej Akademii Medycznej w Białymstoku.
Kierownik: doc. dr med. M. Seidler-Dymitrowska.
(IRIS, diseases,
iridoschisis, case report)

SEIDLEROVA, I.

SEIDLEROVA, I. Vaclav Cutwirth's Z detství naší elektrotechniky (From the Infancy of our Electrical Engineering); a book review. p. 238.

Vol. 2, 1955
SPORNIK PRO DEJINY PŘÍRODNÍCH VED A TECHNIKY
TECHNOLOGY
Praha, Czechoslovakia

So: East European Accessions, Vol. 5, no. 5, May 1956

SEIDLEROVA, Irena (Praha 1, Jirska 3)

A note on relations between B.Bolzano and A.Cauchy.
Cas pro pes mat 87 no.2:225-226 '62.

1. Historicky ustav, Ceskoslovenska akademie ved.

SEIDLOVA, F.; MARTINOVSKA, A.

Development of panicle primordia in millet in relation to the photoperiodic reaction.

P. 126, (Ceskoslovenska Biologie) Vol. 6, no. 2, Mar. 1957, Praha, Czechoslovakia

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

SEIDLOVA, F.; MARTINOVSKA, A.

Photoperiodic sensitivity of two varieties of millet.

P. 131, (Ceskoslovenska Biologie) Vol. 6, no. 2, Mar. 1957, Praha, Czechoslovakia

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

HORAVKA, B.; KHEKULE, J.; SEIDLOVA, F.

An anatomical study of the effect of gibberellic acid on differentiation of the shoot apex in the species *Perilla ocimoides* L. during short and long days. *Biologia plantarum* 4 no.3:239-245 '62.

1. Institute of Experimental Botany, Czechoslovak Academy of Sciences, Praha - Dejvice, Na cvicisti 2.

*

SEIDLOVA, Frideta, promovany biolog

The 6th Seminar on the Biology of Cultivated Plant Development.
Vestnik CSAV 70 no.1:55-58 '61.

OPATRNA, J.; SEIDLOVA, F.; BENES, K.

The anatomy of the shoot apex of wheat (*Triticum aestivum* L.) during transition from the vegetative to the reproductive state and the determination of the primordia. *Biologia plantarum* 6 no. 3:219-225 '64.

1. Institute of Experimental Botany, Czechoslovak Academy of Sciences, Prague 6 - Dejvice, Na cvicisti 2.

SEIDLOVA, Frideta; HORAVKA, Borivoj; OPATRNA, Jana; KREKULE, Jan

Changes in the anatomical structure of the shoot apex of
Senecio vulgaris L. during ontogenis in relation to the
formation of leaves and inflorescence. *Biologia plantarum*
6 no. 3:226-231 '64.

1. Department of Plant Physiology, Institute of Experimental
Botany, Czechoslovak Academy of Sciences, Prague 6 - Dejvice,
Na cvicisti 2.

SEIDLOVA, Frideta

Formation of upper leaves of wheat (*Triticum aestivum* L.)
as indicator of the course of development. *Biologia*
plantarum 5 no.3:221-227 '63.

1. Institute of Experimental Botany, Czechoslovak Academy
of Sciences, Praha - Dejvice, Na evicisti 2.

SMILLOVA, Frideta

Morphology of leaves of *Cyanus segetum* Lam (*Centaurea cyanus* L.) after photoperiodic inhibition at different stages of ontogeny of the shoot apex. *Biologia plantarum* 6 no.4:273-278 '64.

1. Department of Plant Physiology of the Institute of Experimental Botany of the Czechoslovak Academy of Sciences, Prague 6, Na cvicoisti 2. Submitted February 28, 1964.

SEIDLOVA, V.

PODIVINSKY, R.; SEIDLOVA, V.

Laboratory determination of blood bilirubin. Cesk. pediat. 12 no.7:
610-614 5 July 57.

1. Ustredniix biochemicke laboratore statni fakultni nemocnice v
Olomouci..Prednosta prim..MUDr Radmil Podivinsky..
(BILIRUBIN, in blood
determ., methods (Cz))

OSLOMOVA-IA

OSLOMOVA, ; OSLOMOVA, J; SEIDLOVA, V.

1. First Internal Medicine Clinic of Turkyne University (I. vnitřní klinika FN), Olomouc; 2. Central Biochemical Laboratory of the Faculty Hospital (střední biochemické laboratorie fakultní nemocnice), Olomouc

Prague, vnitřní lékařství, No 9, 1964, pp 838-841

"Gene Genetic Aspects of Wilson Disease."

SEIDLOVA, V.; SEDIVY, Z.; PROTIVA, M.

Synthetic ataractics. V. Some captodiamine analogues. Cesk. farm.
11 no.6:308-315 JI '62.

1. Vyzkumny ustav pro farmacii a biochemii, Praha.
(TRANQUILIZING AGENTS chem)

RAJSNER, M.; SEIDLOVA, V.; PROTIVA, M.

Synthetic ataractics. VIII. Homologues and halogen derivatives substituted in the benzene rings. Cesk. farm. 11 no.9:451-456 N '62.

1. Vyzkumny ustav pro farmacii a biochemii, Praha.
(TRANQUILIZING AGENTS) (ANTIDEPRESSIVE AGENTS)

ADLEROVA, E.; SEIDLOVA, V.; PROTIVA, M.

Synthetic ataractics. IX. Analogues of prothiadene with heterocyclic groups in the side chain. Cesk. farm. 12 no.3:122-126 Mr '63.

1. Vyzkumny ustav pro farmaci a biochemii, Praha.
(TRANQUILIZING AGENTS) (CHEMISTRY)
(CHEMISTRY, PHARMACEUTICAL)

PROTIVA, M.; JILEK, J.O.; POMYKALEK, J.; JIRKOVSKY, J.; VEJDELEK, Z.J.
SEIBLOVA, V.

Synthetic analgesics. Pts. 5-6. Coll Cz Chem 28 no.10:2627-2636,
2821-2824 G '63.

1. Forschung institut fur Pharmazie und Biochemie, Prag.

PROTIVA, M.; RAJSNER, M.; ADLEROVA, E.; SEIDLOVA, V.; VEJDELEK, Z.J.

Neurotropic and psychotropic substances. Pt.1.: Coll Cz chem
29 no.9:2161-2181 S '64.

1. Forschungsinstitut fur Pharmazie und Biochemie, Prague.

SEIDLOVA, V.; METYSOVA, J.; HRADIL, F.; VOTAVA, Z.; PROTIVA, M.

Synthetic ataractics. XI. Substituted 1,1-diphenyl-4-dimethyl-aminobutane and 1,1-diphenyl-4-dimethylaminobutene. Cesk. farm. 14 No.2:75-81 F '65.

1. Vyskumny ustav pro farmacii a biochemii, Praha.

CZECHOSLOVAKIA/Plant. Physiology - Mineral Nutrition.

I

Abs Jour : Ref Zhur Biol., No 12, 1958, 53327

Author : Seidlova-Blumova Frideta, Kriz, Jan

Inst : -

Title : Influence of the Length of the Day on Development and Morphogenesis of Wheat Spikes

Orig Pub : Ceskosl. biol., 1956, 5, No 4, 227-235

Abstract : Experiments were conducted with summer wheat of the Niva variety in 1955 by the experimental sections of the Biological Division of Czechoslovakian Academy of Sciences in Prague (Dejvice). Plants were cultivated for a period of 2-52 normal days and then for short days (8 hours). Micromorphological analysis of the apical cones and a study of the mature spikes showed that in the period of differentiation the states of the apical cones were not the same. A short day effect produced a change in the structure of the spike (enhancement of the number of

Card 1/2

- 9 -

CZECHOSLOVAKIA/Plant Physiology - Mineral Nutrition.

I

Abs Jour : Ref Zhur Biol., No 12, 1958, 53327

spikes, branching, and proliferation). The nature of the changes depends on the stage of aging (and in connection with this on the phase of development of the apical cones) during the active period of the short day.
-- I.P. Belokon'

Card 2/2

EXCERPTA MEDICA Sec. Vol.10/12 Phy.Biochem. Dec. 57
SEIDLOVÁ-MAŠÍNOVÁ V.

5420. SEIDLOVÁ-MAŠÍNOVÁ V., MALINSKÝ H. and ŠANTAVÝ F. Chem. Inst., Histol. Inst., Med. Fac., Palacký Univ. Olomouc. *The biological effects of some podophyllin compounds and their dependence on chemical structure J.NAT.CANCER INST.1957, 18/3 (359-371) Graphs 1 Tables 1 Illus. 7

A study of the LD₅₀ and LD₁₀₀ and the pathological effects in Wistar rats for podophyllotoxin, *o*-peltatin-A and *β*-peltatin-A, demethylpodophyllotoxin, deoxy-podophyllotoxin, *epi*podophyllotoxin, podophyllotoxin, methylated *o*-peltatin-A, and derivatives of the B series of the majority of the above compounds is presented. The acetyl derivatives of some of the compounds were also investigated. The stathmokinetic effect of the substances, determined in regenerating rat livers, was demonstrated, but the dose that produced it was very often equal to the LD₅₀ or even the LD₁₀₀. The toxicity-stathmokinetic index of the podophyllin derivatives was about 1.5 to 2.7, whereas it was 2.5 for colchicine and 7 for demecolcine. After studying the influence of structure on the biological activity of the podophyllin derivatives it was established that the compound must have a free hydroxyl group in position 1 or 8. Alkylation or acylation of this hydroxyl group lowers the effectiveness considerably (acylated derivatives) or causes its disappearance (alkylated derivatives). Replacement of the hydroxyl group at C₈ by a carbonyl group, or its complete removal, is followed by loss of biological activity. The substituents in positions 5, 6, 7 and 8 must have the *trans*-(8:7)*trans* (7:6 *cis* (6:5) or at least the *trans* (7:6) *cis* (6:5) configuration. The change to the *trans* (8:7) *cis* (7:6) *trans* (6:5) configuration leads to loss of biological activity.

(V, 2, 16)

NIKOLAYEV, A.I., kand.med.nauk; SEID-MANSURI BEYUK MIR-ABDULLA;
AKHMADIYEVA, A.Kh.

Investigation of the permeability of vessels, the sorptive capacity of tissues, and the excretory function of the body in irradiated mice by means of labeled sodium sulfate (S^{35}).
Med. zhur. Uzb. no. 2:50-53 F '61. (MIRA 14:2)

1. Iz Nauchno-issledovatel'skogo instituta rentgenologii, radiologii i onkologii Ministerstva zdravookhraneniya UzSSR (direktor - prof. D.M. Abdurasulov).
(BLOOD VESSELS—PERMEABILITY) (TISSUES)
(RADIATION—PHYSIOLOGICAL EFFECT) (SODIUM SULFATE)

L 29240-66 EWT(1) RO

ACC NR: AP6019356

SOURCE CODE: UR/0242/65/000/001/0039/0041

AUTHOR: Shrayber, L. B. (Professor); Lyubetskiy, Kh. Z. (Candidate of medical sciences); Nafasov, R. N. (Junior scientific worker); Seid-Mansuri, B. M. (Junior scientific worker) 34 B

ORG: Uzbek Scientific Research Institute of Sanitation, Hygiene, and Occupational Diseases (Uzbekskiy nauchno-issledovatel'skiy institut sanitarii, gigiyeny i profzabolevaniy)

TITLE: Preventive therapeutic action of dibazol in chronic experimental poisoning with methylsystox

SOURCE: Meditsinskiy zhurnal Uzbekistana, no. 1, 1965, 39-41

TOPIC TAGS: poison, organic phosphorus compound, phosphorylation, biologic metabolism, rat, enzyme, therapeutics

ABSTRACT: Most authors hold that the basis of intoxication by organophosphorus compounds is the stable phosphorylation of cholinesterase leading to disturbances of acetylcholine, phosphorus, and other types of metabolism. Therefore, it was decided to test dibazol as a preventive-therapeutic agent in experimental chronic poisoning with methylsystox. The experiment was performed on six groups of white rats, six in a group. The rats of five experimen-

Card 1/2

L 29240-66

ACC NR: AP6019356

tal groups were given methylsystox daily, internally in doses of 20 and 40 mg/kg body weight for 40 days. Unpoisoned animals served as the control (first group). The rats of two groups, receiving 20-40 mg methylsystox were sacrificed on the day following the last administration. The rats of the other groups received dibazol 10 days more in a dose of 2.5 mg/kg after receiving the preparations for the period stated above, and then were sacrificed. The animals of the sixth group, receiving 40 mg/kg methylsystox were sacrificed 10 days after administration, without dibazol treatment. In the animals of all groups, we determined the activity of cholinesterase of whole blood using the Hescrin method as modified by Z. M. Murav'yeva and phosphorus-containing fractions of organs following the Gorkhevets method. According to the data obtained, upon chronic exposure to methylsystox in doses of 20 and 40 mg/kg of body weight, cholinesterase is soon reduced. The administration for 10 days of dibazol subcutaneously promotes restoration of cholinesterase by approximately 22.3 and 59.5% compared to untreated animals. Cholinesterase activity reduced by methylsystox in a dose of 40 mg/kg, is restored very slowly. Orig. art. has: 1 table. [JPRS]

SUB CODE: 06 / SUBM DATE: 30Aug63

Card 2/2 - C.C. Jones

ROMANIA

SEIDMAN, Sergiu, MD.

Bucharest, Sanatatea, No 12, Dec 63, p 7

"Pregnancy and Tuberculosis."

SEIDNER, M.

Hungarian Technical Abst.
Vol. 6 No. 1
1954

27. Economical load distribution among steam power plants — *Gőzerőművek gazdaságos leterhelése* — Seidner (Hungarian Power Economy — *Magyar Energetika* — Vol. 6, 1953, No. 1, pp. 21–32, No. 2, pp. 53–61, 16 figs., 18 tabs.)

Loads are economically distributed between parallelly operated units on the basis of the well known differential equation. For solving the equation with mathematical precision, heat consumptions are expressed in the following generally valid equations:

steam boilers,

$$W_s = P_s \left[x + \frac{1 - \eta_m}{100 \eta_m} \left(40 r_m + 20 r + \frac{40}{x_m} x^2 \right) \right] \text{ kcal per hr}$$

steam turbines,

$$W_s = P_s \left[860 r + \frac{w_m - 860}{100} \left(20 r_m + 60 r + \frac{20}{x_m} x^2 \right) \right] \text{ kcal per hr}$$

at load factor x . In these equations P_s = max efficiency, kcal per hr; P_t = max efficiency, kw; x = load factor; load efficiency; η_m = optimum efficiency in decimal fractions; w_m = optimum heat consumption, kcal per kw-h. Thus the equation expressing incremental load distribution in the case of parallelly operated units is

$$\frac{1}{P_1} \cdot \frac{dW_1}{dx_1} = \frac{1}{P_2} \cdot \frac{dW_2}{dx_2} = \dots \dots \dots \frac{1}{P_n} \cdot \frac{dW_n}{dx_n}$$

when indexes 1, 2 ... n indicate the units. It could be proved by computations based on the above equations that incremental load distribution reduces fuel consumption by 2% as opposed to load distribution by the basic method.

SEIDNER, M.

EE 40. Water-cooled turbogenerator rotors (In English)
 - M. Seidner. (*Acta Technica Academiae Scientiarum Hungaricae* - Vol. 10, 1955, No. 3-4, pp. 305-318, 5 figs., 4 tabs.)

The output of two-pole generators can be raised partly by increasing the dimensions and partly by improving the effectiveness of cooling. First the increase of the diameter of air-cooled rotors is limited by windage losses in the air gap, further limits to the increase in dimensions are set by mechanical stresses. In the case of the substantially more effective hydrogen cooling the increase of rotor length is limited by the overheating of the axially flowing hydrogen. Owing to its high heat-transfer ability and its conductivity water is particularly suitable for the cooling of turborotors. Hydrogen-cooling at atmospheric pressure increases the output of air-cooled rotors by 10-20%; compared to this stator air-cooling and rotor water-cooling makes it possible to raise the output by 25-50%. Water-cooling of rotors rotating in air-cooled stators promises even higher performance than the direct hydrogen-cooling of hollow conductors with gas at 3 atm pressure. Water-cooling of the rotor combined with hydrogen-cooling of the stator at atmospheric pressure make it possible to further increase rotor performance by 20-35% above that of direct-cooled rotors with 3 atm hydrogen.

SHIDLER, M.

SHIDLER, M. Water-cooled turbo rotors. p. 167.

Vol. 15, No. 1/2, 1955.

YCHIMENYI.

TECHNOLOGY

Budapest, Hungary

So: East European Accession, Vol. 5, No. 5, May 1956

Seidner, M.

HUNG

621.313.322.043.3-713
3538. Water-cooled turbo-generator rotors. M.
Seidner, Elektrotechnika, 48, No. 4, 130-6 (April, 1955) in Hungarian.

Discusses the basic problems of rotor cooling by air and hydrogen, the adoption of water cooling for turbo-generators being suggested. Water cooling of the rotor has been used in the phase converter of the 50 c/s traction system adopted in Hungary more than 20 years ago and service experience with this rotary machine has been very satisfactory. L. CSUROS

lsw

SEIDNER, M.

Water-cooled rotors for turbogenerators; a reply to Andor Mandi's remarks, p. 235, ELEKTROTECHNIKA, (Magyar Elektrotechnikai Egyesulet) Budapest, Vol. 48, No. 6, June 1955

SOURCE: East European Accessions List (EEAL) Library of Congress,
Vol. 4, No. 12, December 1955

SEIDNER, M.D. eng. sc.

Direct liquid cooling of turbogenerators. Acta techn Hung 27 no.
3/4: 341-348 '59. (EAI 9:6)
(Turbogenerators)

SEIDNER, Mihaly, dr.

Development of liquid-cooled turbogenerators. Muszaki kozl MTA 28.
no.1/4:351-367 '61. (EEAI 10:9)

1. Levelezo tag.

(Liquids) (Turbogenerators)

SEIDNER, Mihaly

Investment cost calculation of steam power plants. Muszaki
kozl MTA 31 no. 1/4: 349-380 62.

1. Magyar Tudomanyos Akademia levelezo tagja.

SRIDNER, Mihaly, dr., Kossuth-dijas akademikus; SARBO, Gyorgy

A 60-year-old Hungarian scientist's invention is conquering
France after Switzerland. Ujit lap 17 no 7:7 13 Ap '65.

L 31352-66

ACC NR: AT6021153

SOURCE CODE: HU/2504/65/050/000/0317/0336

AUTHOR: Seidner, M.--Seydner, M. (Corresponding member MTA)

58
B+1

ORG: none

TITLE: Economics of water-cooled turbogenerators

SOURCE: Academia scientiarum hungaricae. Acta technica, v. 50, 1965, 317-336

TOPIC TAGS: turbine rotor, electric generator, cooling

ABSTRACT: The direct cooling of the rotor conductors with hydrogen, the development of turbogenerators with water-cooled conductors, and the efficiency of water-cooled turbogenerators was discussed with special emphasis on economic factors. The development of 750-1000 MW turbogenerators was described and various designs for water-cooled rotors were discussed and illustrated by drawings. Orig. art. has: 7 figures and 5 tables. [Orig. art. in Eng.] [JPRS]

SUB CODE: 10, 13 / SUBM DATE: 31Aug64 / OTH REF: 012

Card 1/1 CC

L 04090-67 EWP(j)/EWP(k)/EWT(1)/EWT(m)/T RM

ACC NR: AR6023293

SOURCE CODE: UR/0058/66/000/003/HD69/HD69

AUTHOR: Seidov, A.

TITLE: Investigation of the absorption of ultrasonic waves in vapors of saturated hydrocarbons by measuring the saturation line by an optical method

SOURCE: Ref zh. Fizika, Abs. 3Zh480

REF SOURCE: Tr. 1-y Mezhevuz. nauchn. konferentsii po primeneniyu molekul. akust. k issled. veshchestva i v nar/ kh-ve. Tashkent, 1964, 45-57

TOPIC TAGS: ultrasound absorption, vapor state, optic method, light diffraction, hexane, heptane, octane, critical point

ABSTRACT: The author describes in detail the parts of the optical installation for the measurements of absorption of ultrasound by an optical diffraction method in vapors, over a wide range of temperatures and pressures. At a frequency 4.918 Mcs, measurements were made of the absorption in saturated and superheated vapors of n-hexane, n-heptane, and n-octane. As in other substances, a sharp increase in absorption, corresponding to the increase in the fluctuations of the thermodynamic quantities, is observed near the critical state. The mechanism of the anomalous absorption near the critical point remains unclear, in the author's opinion. V. Shutilov. [Translation of abstract]

SUB CODE: 20

Card 1/1

SEIDOV, A.G.

Petrology of the lower Maikop deposits of the Cheildere region
(southern Kobystan). Dokl.AN Azerb.SSR 10 no.4:279-284 '54.
(MLRA 8:4)

1. Institut geologii im.akademika I.M.Gubkina Akademii nauk
Azerbaydzhanskoy SSR. Predstavleno deystvitel'nyy chlenom Akademii
nauk Azerbaydzhanskoy SSR M.A.Kashkayem.
(Kobystan--Petrology)

SEIDOV A.G.
SEIDOV, A.G.

Investigation of Maikop period deposits by the thermal method and
dehydration. [in Azerbaijani with summary in Russian] Izv. AN Azerb.
SSR no.4:25-34 Ap'55. (MLRA 8:11)
(Petroleum geology)

SEIDOV, A. G.

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