

KUPEROV, L.P.

Expedition for the study of radio wave propagation. Probl.Arkt.  
no.6:138 '59. (MIRA 13:6)  
(Arctic regions--Ionospheric radio wave propagation)

KUPEROV, L.P.

Observation of signals of the third Soviet artificial earth  
satellite on Cape Cheliuskin. Isk.sput.Zem. no.5:66-70  
'60. (MIRA 13:5)  
(Artificial satellites--Tracking)

S/561/61/000/009/002/003  
D207/D308

7.9/00

AUTHOR: Kuperov, L.P.

TITLE: On the problem of nonlinearity of electrical characteristics of the ionosphere

SOURCE: Problemy arktiki i antarktiki, no. 9, 1961, 59 - 61

TEXT: An analysis was made of transmissions of dashes by telegraph between the Moscow Radio Center, Dikson Island, and Shmidt Cape in September and November, 1951. The transmission were received with an ondulator working at 8-13 Mc/s. The results indicated that the ionosphere can be regarded as a partly nonlinear dielectric medium in agreement with the suggestion of M.A. Bonch-Bruyevich (Ref. 2: Zhurnal tekhnicheskoy fiziki, vol. 2, no. 5, 1932) Bonch-Bruyevich defined a nonlinear medium as that in which the permittivity and the conductivity depend on the amplitude of the electric field in the e.m. wave. A nonlinear region of the ionosphere was found in the path of the transmitted signals close to Dikson Island.

SUBMITTED: December 10, 1960

Card 1/1

✓  
B

KUPEROV, L.P., starshiy nauchnyy sotrudnik

Absorption of long radio waves by the ice massif in Antarctica. Inform.  
bil. Sov.antark.ekspl no.43:49-52 '63. (MIRA 17:1)

1. Shestaya kontinental'naya ekspeditsiya.

SOURCE: Ref. zh. Fizika, Abs. 2Zh150

AUTHOR: Kuperov, L. P.

TITLE: Propagation of radio waves in the 14--600 kcs band as observed at the Byrd station in the Antarctic

station (80° southern latitude and 120° western longitude). In the 15--23 kcs band, signals from powerful stations of the northern hem-

147361-25

ACCESSION NR: AR5009715

A study of the transmission at the long and medium waves

Card 2/2 1C

RIFEROV, L.P., and. *Radioemitter.suuk*

Some results of listening to shortwave radio stations in the Antarctic.  
Inform.biul.Sev.antark.shop. no.52-48-50 '65.  
(MIRA 18:10)  
1. Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy institut.

44-3174-56 EMT(d)/EMT(1)/EEO(k)-2/FCC/Ema(h) - CM/MS-2  
ACC NR: AT5028700

SOURCE CODE: UR/3174/64/000/047/0045/0049

AUTHOR: Kuperov, L. P. (Senior Research Associate)

ORG: Arctic and Antarctic Scientific-Research Institute (Arkticheskiy i  
antarkticheskij nauchno-issledovatel'skiy institut)

TITLE: Radio wave propagation in the 14 to 600 kc band based on  
observations at the Byrd Station in Antarctica

SOURCE: Sovetskaya antarkticheskaya ekspeditsiya, 1955- Informatsionnyy  
byulleten'. no. 47, 1964. 45-49

TOPIC TAGS: radio wave propagation, Antarctic climate, ionospheric  
absorption, ionospheric electron density

ABSTRACT: Radio waves in the 14 to 600 kc frequency band were studied  
at the Byrd Station (80° lat S, 120° long W) in the interior of Antarc-  
tica during March 1961. Equipment for measuring field intensities in-  
cluded a radio receiver (14 to 600 kc), a signal-generator, an elec-  
tronic oscilloscope, and a 10 m aluminum antenna. Findings show that  
the distribution of the frequency band spectrum received at the station  
is rather peculiar. Radio signals from 14 to 20 kc were received under  
night conditions, and signals from 20 to 23 kc were received under

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UDC: None

L 15724-66

ACC NR: AT5028700

twilight and day conditions. Radio signals from 23 to 43 kc were received under night conditions, and signals from 43 to 60 kc were received under twilight conditions. It is interesting to note that 23 kc radio signals were not even once received under day conditions. Radio signals from 43 to 143 kc under night conditions and radio signals from 60 to 177 kc under twilight conditions were received only March 15, 17, and 18, which coincided with the time of aurora australis at the Byrd Station. No other frequencies were recorded. This distribution of radio frequency bands is explained by ionospheric reflection conditions when electron collisions with neutral particles at a given altitude may play a more important role than electron density. Absorption of radio signals with different electron densities is discussed. Radio signals in the 15 to 23 kc band were received from the northern hemisphere (New York, London, Moscow, Pearl Harbor, San Francisco) and radio signals from 43 to 177 kc (March 15, 17, 18) were received from the southern part of South America and the Falkland Islands. Further studies of radio signals in the interior of Antarctica may also yield new data on the D and E layers of the ionosphere. Orig. art. has: 2 tables.

SUB CODE: 17/ SUBM DATE: 29Jun63/ ORIG REF: 004/ OTH REF: 000

TS  
Card 2/2

L 21925-66 EWT(1) RB/GW  
ACC NR: .AT6014620 (N)

SOURCE CODE: UR/3174/65/000/052/0048/0050

AUTHOR: Kuperov, L. P. (Candidate of physicomathematical sciences) 29

ORG: Arctic and Antarctic Scientific Research Institute (Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy institut) B+1

TITLE: Some results of audibility of short-wave radio stations in Antarctica

SOURCE: Sovetskaya antarkticheskaya ekspeditsiya, 1955-. Informatzionnyy byulleten', no. 52, 1965, 48-50

TOPIC TAGS: radiowave propagation, ionosphere, radio signal, radio reception

ABSTRACT: The following is representative of the results of studies of the audibility of short-wave radio stations at Byrd station in Antarctica. Radio signals in the short-wave range were not propagated by a reflected ray directly through the region of total darkening of the ionosphere (where the sun is at the nadir). Such stations as San Francisco, Vancouver and Clearwater, situated almost on the same meridian as Byrd, in some cases could not be heard at midnight, but could be when the position of the solar nadir was situated far from the radio link. Radio signals were propagated by a reflected ray directly through the region of the zenith position of the sun at high frequencies at midday and in evening. At midday the radio signals from the illuminated hemisphere were absent. In the evening the signals reach the reception point only from the afternoon direction. Many similar cases are considered. It is pointed out that Antarctic stations have many advantages in the study of the paths of radio propagation on a global scale.

Card 1/2

L 21925-66

ACC NR: AT6014620

At Arctic stations and points in the northern hemisphere there is no reception of radio information through the region of the tropics, since almost all the space beyond the Tropic of Capricorn is covered by the world ocean. Orig. art. has: 2 figures. [JPRS]

SUB CODE: 17, 04 / SUBM DATE: 26Jun64 / ORIG REF: 003

Card 2/2 nst

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000927610004-2

ZnCl<sub>x</sub>, which are capable of forming volatile hydrides with

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000927610004-2

June 26, 1968 Mn and Bi are melted together in open furnaces in the presence of substances such as  $NiCl_2$  or  $ZnCl_2$  which are capable of forming volatile chlorides with Mn and Bi oxides to provide a protective atmosphere for the melt.

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APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000927610004-2"

KUPERSHLYAK, M. G.

KUPERSHLYAK, M. G. "Clinic and Treatment of Gunshot Wounds of the Bladder." Dr Med Sci, Central Inst for the Advanced Training of Physicians, 26 Jan 54. (Vechernaya Moskva, 7 Jan 54)

SO: SUM 168, 22 July 1954

KUPERSHLYAK, H.G., dots. SAVINKOV, B.F.

Treatment of tumors of the bladder. Urologia 23 no.4:24-29 Jl-Ag '58  
(MIRA 11:8)

1. Iz fakul'teteskoy khirurgicheskoy kliniki (zav. - prof. I.D. Korabel'-  
nikov) Chelyabinskogo meditsinskogo instituta.  
(BLADDER, neoplasms  
diag. & ther. (Rus))

KUPERSHLYAK, M. G., dotsent

Renal colic in psoriasis. Urologiia no. 3: 54-56 '61. (MIRA 14:12)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav. - prof. I. D. Korabel'nikov) Chelyabinskogo meditsinskogo instituta.

(RETROPERITONEAL SPACE--DISEASES)  
(KIDNEYS--DISEASES) (MUSCLES--DISEASES)

KUPERSHLYAK, M.G., doktor med.nauk

Errors and hazards in the surgical treatment of nephro-and  
ureterolithiasis. Urologia no.1:23-27'63. (MIRA 16:7)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav. - prof. I.D.  
Korabel'nikov) Chelyabinskogo meditsinskogo instituta.  
(CALCULI, URINARY)

KUPERSHLYAK, M.G., doktor med. nauk

Diagnostic significance of vasovesiculography. Vest, rent. 1  
rad. 39 no.3:41-45 My-Je '64.

(MIRA 18:11)  
1. Fakul'tetskaya khirurgicheskaya klinika (zav. - prof. I.D.  
Korabel'nikov) Chelyabinskogo meditsinskogo instituta.

BEREZIN, I.Ya.; KUT'IN, K.K.; KUPERSHLYAK-YUZEOFICH, G.M.

Device for measuring the displacement of working parts on  
forging machinery. Kuz.-shtam. proizv. 4 no.7:42-43 Jl '62.  
(Forging machinery) (Automatic control) (MIRA 15:7)

BAY. 31, 66, kant. tekhn. rukk; KUPERSHLYAK-YUZEFOVICH, G.M., inzh.

Mechanical properties of deposited austenitic metal and their anisotropy.  
Svar. proizv. 12:5-7 D '63. (MIRA 18:9)

1. Chelyabinskij politekhnicheskiy institut (for Bakshi).
2. Nauchno-issledovatel'skiy i proyektno-tehnologicheskij  
institut avtomatizatsii i mekhanizatsii mashine-troyeniya Yuzhno-  
Ural'skogo sovetra narodnogo khozyaystva (for Kupershlyak-Yuzefovich).

KUPERSHLYAK-YUZEFOVICH, G.M.

Measurement of deformations on the bases of less than 3mm. Zav.lab.  
29 no.8:993 '63. (MIRA 16:9)

1. Nauchno-issledovatel'skiy i proyektno-tehnologicheskiy institut avtomatizatsii i mekhanizatsii mashinostroyeniya.  
(Deformations(Mechanics))

• • • , "MVDZ", Kirovograd, Ukraine, USSR, 1985.

The speed of rotation during friction welding. Gvar.  
J. L. V. no. 349-12. Br 162.  
(MIRA 12:9)

• Donetsko-Izoleinatel'skiy i proektno-tehnicheskiy in-  
stitut avtomatizatsii i mekhanizatsii mashinostroyeniya Yuzhno-  
kars'kogo novogo narodnogo khozyaystva.

BAKSHI, G.A., kand. tekhn. nauk; KUPERSHILYAK-YUTEPOVICH, G.M., inzh.

Deformation of butt welds under pulsation stress application.  
Svar. proizv. no.1:10-13 Ja '65. (MIRA 18:3)

1. Chalyabinskij politekhnicheskiy institut.

SHESTOPALYUK, A., inzh.-podpolkovnik; KUPERSHMID, I., inzh.

Movable electric power station. Av.1 kosm. 46 no.1:84 Ja '64.  
(MIRA 17:3)

"APPROVED FOR RELEASE: 08/23/2000

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CIA-RDP86-00513R000927610004-2"

BRODYANSKIY, V.M., kand.tekhn.nauk; KUPERSHMIDT, A.Ye, inzh.

Graphic method for calculating temperatures in heat ex-  
changers at variable heat capacities. Kislrod 12 no.4:  
23-27 '59. (MIRA 12:12)  
(Heat exchangers) (Heat--Transmission)

EFROS, V.V.; KUPERSHMIDT, B.L.; PETROV, G.S.; TARASOV, Yu.N.

Investigation of the D-24 engine provided with an electric starter.  
Avt. i trakt. prom. no. 217-10 F '57. (MLRA 1013)

1. Vladimirskiy traktornyy zavod.  
(Automobiles--Engines)

MALAFEEV, F.V., inch.; KUPFERSHMIDT, I.N., inch.

Installation of a short-circuiting device outside the effective zone of  
the differential protection system of transformers. Energetik 13 no.6;  
20-21 Ja '65.  
(MIRA 16:7)

SIZOV, Vasiliy Nikolayevich, prof., doktor tekhn.nauk;  
RUDERKO-MORGUN, Ivan Yakovlevich, doz., kand. tekhn.  
nauk; TCHILADZE, Georgiy Rodionovich, inzh.; UZENKO,  
Vasiliy Mitrofanovich, kand. tekhn. nauk; SHVIDENKO,  
V.N., prof., retsenzent; DANILEVSKIY, A.S., inzh.,  
retsenzent; KUPERSHIMIDT, L., red.

[Technology of construction] Tekhnologija stroitel'nogo  
proizvodstva. [By V.I.Sizov i dr. Moskva, Vysshiaia shkola,  
1964. 613 p.] (MIRA 19-1)

RESHETOV, Dmitriy Nikolayevich, doktor tekhn. nauk, prof.; GUDOLIN,  
Viktor Leonardovich, kand. tekhn. nauk, dots.; LAGZIN,  
Nikolay Alekandrovich, kand. tekhn. nauk, dots.; NIKIFOROV,  
Vladimir Vasil'yevich, kand. tekhn. nauk; SHUVALOV, Sergey  
Arsen'yevich, kand. tekhn. nauk; KUPERSHMIDT, L.S., red.

[Laboratory manual on the course "Machine parts"] Labora-  
torye raboty po kursu "Detali mashin." Moskva, Izd-vo  
"Vysshiaia shkola," 1964. 106 p. (MIRA 17:7)

1. Kafedra "Detali mashin" Moskovskogo vyschego tekhniches-  
kogo uchiliishcha imeni M.Ye.Baumana (for all except  
Kupershmidt).

OSIKOV, Iev Georgiyevich, kand. tekhn. nauk; SIRBINOVICH, Ivan Petrovich; KRISENSKIY, Viktor Yevgen'yevich; Prinimal uchastiyu SHUBIN, L.F.; KUFERSKI IDT, L.A., red.

[public and industrial buildings; architectural and construction designs and building elements] Gruzidarskie i promyshlennye zdaniiia; arkhitekturno-konstruktivnye skhemy i elementy zdanii. Izd.3., perer. Moskva, Vys-shaia shkola, 1964. 482 p. (MIRA 17-8)

LUKAYEV, Lazar' Panayotovich GALKIN, I.G., prof., rechtsenzenz;  
KUPERSHMIDT, L.S., red.

[Cranes for construction assembly and loading and un-  
loading operations] Krany dlia stroitel'no-montazhnykh i  
pogruzochno-razgruzochnykh rabot. Moskva, Vysshiaia  
shkola, 1965. 231 p. (MIRA 18:7)

1. Moskovskiy inzhenerno-ekonomicheskiy institut imeni  
S.Ordzhonikidze (for Galkin).

GOKHMAN, Vladimir Akimovich; CHVANOV, V.G., nauchn. red.;  
KUPERGEMIDT, L.S., red.

[Principles of road building] Osnovy dorozhnogo stroitel'-  
stva. Moscow, Vysshiaia shkola, 1965. 270 p.  
(MIRA 18:9)

ZALICHENOK, Gavril Grigor'yevich, kand. tekhn. nauk, laureat  
Gos. premii; SHCHEDROVITSKIY, S.S., kand. tekhn. nauk,  
nauchn. red.; KUPERSHMIDT, L.S., red.

[Automating enterprises of the construction industry]  
Avtomatizatsiya predpriatii stroitel'noi industriи.  
Moskva, Vysshiaia shkola, 1965. 419 p. diagr.  
(MIRA 18:12)

REMARKS: M.L.

Kinetics of the shrinkage of the various types of polyvinyl chloride linoleum. Elast. mass no. lit 60-63 1/4 (MIRA 18:1)

KUPERSHMIDT, M.L., inzh.; SURKOV, V.I., inzh.; BYKOV, A.S., inzh.;  
DANTSIK, M.I., inzh.; NOVIKOVA, E.T., inzh.

Preparation of highly filled linoleum using improved techniques.  
Stroi. mat. 7 no.4:26-29 Ap '61. (MIRA 14:5)  
(Linoleum)

KUPERSHMIDT, M.L.; SURKOV, V.I.

Setting of poly(vinyl chloride) linoleum, Plast.masy 10:33-36  
'61. (MIRA 15:1)  
(Linoleum)

S/121/62/000/004/CO  
D040/0113

AUTHORS:

Kupershmidt, Sh. N., and Yegorov, Yu. V.

TITLE:

Automatic reader for co-ordinate jig boring machines

PERIODICAL:

Stanki i instrument, no. 4, 1962, 33-36

TEXT: The described new reader developed and tested at the Moskovskiy zavod koordinatno-rastochnykh stankov (Moscow Co-Ordinate Jig Boring Machine Plant) used by this plant, the jig borers is an improvement on existing optical readers. Tool Plant im. Sverdlov im. Leningradskiy stankozavod (Leningrad Machine 125-fold amplification. The new system has an improved photocell transducer with a 65- or line shadow on the screen because the illuminance of the latter is too weak (0.5-2 lx). The new system has an improved photocell transducer with a 65- or modulation produced by a diagram oscillating at 50 cps, so that the appearance of a dark line in the field of view of the photocell causes a pulse signal on the amplifier output. The diagram is oscillated by an electromagnet connected to

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Card 2/2

KUPFERSHMIDT, Sh.H.

Establishing a program for machine tools with position program  
control. Stan. i Instr. 35 no. 8; p. 10. Pg 167.

(MIR) (7:10)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927610004-2

KUFPERSHMIDT, Sh.N.; SARKISOV, E.F.

Effect of d.c. magnetic fields on the performance of polarized  
relays. Stan. i instr. 36 no.9:20 S '65. (MIRA 18:10)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927610004-2"

KUPERSHMIDT, V.L.; EFROS, V.V.

Using liquefied oils in tractor diesel engines. Trakt. i  
sel'khozmash. 8:13-16 Ag '58. (MIRA 11:8)

1. OGK Vladimirsogo traktornogo zavoda.  
(Tractors--Engines) (Diesel fuels)

YEROKHIN, Nikolay Georgiyevich; KUPERSHMIDT, V.L.; EFROS, V.V.;  
PESTRYAKOV, A.I., red.; ZUBRILINA, Z.P., tekhn.red.

[Handbook for "Universal" DT-24, T-28, T-28M tractors]  
Spravochnik po traktoram "Universal" DT-24, T-28, T-28M.  
Moskva, Gos.izd-vo sel'khoz.lit-ry, 1960. 215 p.

""(RA 13:12)

(Tractors)

KUPERSHMIDT, V.L., inzh.

Effect of the closing angle of an intake valve on the starting qualities of diesel engines. Trakt. i sel'khozmash. no.9:12-14  
S '64. (MIRA 17:11)

1. Nauchno-issledovatel'skiy i eksperimental'nyy institut  
avtomobil'nogo elektrooborudovaniya, karbyuratorov i priborov.

KUPECKHMIT, V.L.

Effect of the escape of the air charge on the process of compression  
during the starting of a diesel engine. Trakt. i sel'khozmash.  
no.8:12-14 Ag '65. (MIRA 18:10)

1. Nauchno-issledovatal'skiy i eksperimental'nyy institut  
avtomobil'nogo elekrooborudovaniya, karbyuratorov i priborov.

AUTHOR:

Kupershmidt, Ya. A. (Munich)

19770429-0-0-7710

TITLE:

Coders and Decoders in Pulse-Code Telemetry Systems  
(Kodirovushchiye i dekodirovushchiye ustroystva kodo-impul'snykh  
sistem teleizmereniya)

PUBLICATION:

Avtomatika i telemekhanika, 1958, Vol. 9, No. 9, pp. 879-891 (USSR)

ABSTRACT:

Here a systematic survey on the methods for transforming voltage and current into a binary pulse-code and on the methods for transforming the code back into voltage and current is given. The coder and decoder methods mainly applied in computing and telecommunication engineering are described. Comparing estimates of these methods from the point of view of their applicability for code-pulse telemetry systems is given. The application fields of the three variations of the binary code - the normal code, that with sign change and the reflex code - are shown. For coders the method of "weighing" (adding like weighing) is carried out on scales by means of weights; for the pulse computing methods are recommended; for decoders the method of summing up currents is recommended. In a number of cases the coders can be simplified by using a special binary code; that is the binary code with sign change - in the so-called "two-phase"

**Codes and Decoders in Pulse-Code Telemetring Systems** - by G. L. Green

and the method of accommunicator discharge, and the binary nature of the code - in the table method - is of great importance that coders and decoders in a telemetring system operate in accordance with one another. Otherwise the system would become unnecessarily complicated. There are 16 figures, tables, and references, 4 of which are copied.

SUBMITTED: July 31, 1957

KUTEPESHMDT, Ya...A., MALOV, V. S., PSHENICHNIKOV, A. M.

"Industrial Telemetry Systems and Digital Techniques."

report presented at the International Federation of Automatic Control Congress,  
Moscow, 25 Jun - 5 Jul 60

S/115/60/000/010/020/028  
B021/B058

AUTHORS: Malov, V. S., Pshenichnikov, A. M., Kupershmidt, Ya. A.

TITLE: "Industrial Telemetric Systems and Digital Technology"

PERIODICAL: Izmeritel'naya tekhnika, 1960, No. 10, p. 61

TEXT: The classification of telemetric systems is listed according to the following distinguishing characteristics: 1) transmission distance and type of transmission channel; 2) structure of the telemetering system; 3) type of the telemetric parameters; 4) service life. The possibility and expediency of standardizing telemetric systems and applying blocks for their construction is shown. The use of the digital technique in telemetric systems is pointed out as being promising. Examples of systems with digital reproduction are mentioned: with transmission of coded and analogy signals.

Card 1/1

KUPERSHMIDT, Yalov Abramovich; MALOV, Vladimir Sergeyevich;  
PSHEGINENIKOV, Aleksandr Matveyevich; ZHUKHOVITSKIY, S.Ya.,  
red.; SHIROKOVA, M.M., tekhn. red.

[Present-day telemetering systems] Sovremennye teleizmeritel'-  
nye sistemy. Moskva, Gos. energ. izd-vo, 1961. 86 p. (Biblio-  
teka po avtomatike, no.44) (MIRA 15:3)  
(Telemetering)

KUPERSHMIDT, Ya.A. (Moskva); MALOV, V.S. (Moskva); SHENBROT, I.M. (Moskva)

Present-day trends in the development of dispatcher control systems  
using digital computers. Avtom.i telem. 22 no.7:954-959 J1 '61.  
(MIRA 14:6)

(Electronic digital computers) (Information theory)

9.7300

9.7300

AUTHOR:

Kupershmidt Ya. A. (Moscow)

TITLE:

On the digital reproduction of signals in analog  
telemetry systems

PERIODICAL:

Avtomatika i telemekhanika, v. 22, no. 8, 1961,  
1080-1087

TEXT: An attempt is made [Abstracter's note: Apparently the first of its kind] to derive formulae for the choice of the basic parameters of digital converters in pulse-duration-, frequency-, and pulse-frequency systems and to delimit the range of application of existing frequency systems with digital reproduction. For the purpose of a more specialized study of the digital converters, the errors in the analog system itself are ignored. The absolute coding-error is equal to  $(NT_c - t)$  where  $N$  is the number of pulses corresponding to the time  $t$ , and  $T_c$  is the period of the counting pulses,  $T_c$  being equal to  $1/f_c$ , where  $f_c$  is the frequency of the pulses whose choice is important. The reduced coding error is

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+

On the digital reproduction...

$$\delta = \frac{(N - N_0) T_c - (t - t_0)}{t_N - t_0}$$

where  $N_0$  corresponds to  $t_0$  which is the duration of the pulse corresponding to the zero value of the parameter;  $t_N$  corresponds to the nominal value of the parameter. If  $\delta$  is given, the minimum permissible frequency  $f_c$  can be found for various counting schemes. Two examples are given in which  $f_c$  is found as a function of  $\delta$ . The choice of  $\delta$  cannot be considered as arbitrary; first of all, it is not necessary that  $\delta$  should be much smaller than the error of the analog part of the system;  $\delta$  should be chosen in such a way that, at a maximum rate of change  $a = \left| \frac{dA}{dt} \right|_{\max}$  under normal operating conditions, the parameter A should not change by more than  $A_N \delta$ , ( $A_N$  is the nominal value of the scale).  $T$  is proportional to the number of telemetering channels which share one digital converter at the control point;  $\delta \geq \frac{aT}{A}$ . If the  $\delta$  thus obtained turns out to be very large, one has to forego digital reproduction. Frequency

Card 2/4

M611

S/103/61/022/008/010/015  
b274/b302

On the digital reproduction...

and pulse-frequency systems are then examined. The main difference between this system and the foregoing consists in an averaging process inherent in this system. Two types of errors have to be accounted for: the dynamical error due to the averaging, and the error in quantization. The frequency  $f$  is assumed to be a linear function of the parameter  $A(t)$ ; The mean frequency  $f_m$  (in the interval  $t_1$ ,  $t_1 + T_c$ ) is set equal to  $\frac{N}{T_c}$ . The maximum absolute error (with increasing signal) is

$$f_{\max}^{(+)} = f_m - f(t_1 + 2T_c + T') \approx -\frac{3}{2} k a T_c - k a t' - \frac{\Delta N}{T_c}$$

where  $T' = (n-1)T_c$  ( $n$  being the number of channels), and  $\Delta N$  is the quantization error due to the fact that the interval  $T_c$  does not contain an integral number of signal-periods. The reduced relative error is

$$\delta f \approx \pm \frac{a T_c (\frac{1}{2} + n)}{A_H} \pm \frac{3}{2} \frac{1}{(f_N - f_0) T_c}$$

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On the digital reproduction...

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D274/D302

( $\Delta N$  was considered equal to  $\pm 3/2$ ). It is unnecessary to require higher accuracy of the digital conversion than that of the analog part of the system. Another formula is derived

$$\alpha = \frac{2\delta^2 A_H (f_H - f_o)}{3 (\frac{1}{2} + n)}$$

This formula permits determining the maximum permissible rate of change of the parameter for centralized digital reception in an  $n$ -channel telemetering system with known values of the minimum and maximum frequencies. It is noted that the relationship between  $\alpha$  and  $\delta$  is quadratic. An example is given in which  $\alpha$  is calculated, for the same telemetering system (with  $n = 1$ ), once with analog reproduction and then with digital. The  $\alpha$  obtained with digital reproduction was by a factor of 4.4 smaller than that with analog reproduction. There are 2 figures.

Card 4/4

DMITRIYEV, V.F.; KUPERSHMIDT, Ya.A.

Selecting optimum parameters of filters at the output of pickups.  
Izm.tekh. no.5:37-40 My '62. (MIRA 15:6)  
(Electric filters)

KUPERSZMIDT, J.A.; MALOW, W.S.; SZENBROT, I.M.

Contemporary development trends of dispatcher control based  
on digital techniques. Pomiary 8 no.8:368-371 Ag '62.

KUPERSHMIDT, Ya.A.

Reproduction of absolute scales in multichannel digital  
measuring devices. Izm.tekh. no.2:4-8 F '63. (MIRA 16:2)  
(Electronic digital computers)

MALOV, V. S.; PSHENICHNIKOV, A. M.; KUPERSHMIUT, Ya. A.

"Multi-channel devices for transmission of measurement information by communication lines and for its reproduction in digital form."

report submitted for the 3rd Intl Measurement Conf & 6th Intl Instruments & Measurements Conf, Stockholm, 14-19 Sep 64.

MALOV, V. S.; KUPERSHMIDT, Ya. A.; PSEHENTCHNIKOV, A. M.

"Multi-channel devices for transmission of measurement information by communication lines and for its reproduction in digital form."

report submitted for Intl Fed of Automatic Control & of Information Processing  
Conf, Stockholm, 21-23 Sep 64.

ПРИЛОЖЕНИЕ: Connection between speed and accuracy in telemetering systems with digital  
transmission.

— Статья из журнала "Советская радиотехника", № 10, 1965 г.

ОБРАЗОВАНИЯ В ПРОМЫШЛЕННОСТИ (Automatic control and electrical measuring techniques;

ПРИЛОЖЕНИЕ: digital telemetering device, telemetering accuracy, telemetering rate,  
remote control system

— Статья из журнала "Советская радиотехника", № 10, 1965 г.

error of the digital data reproduction is minimal. The article discusses the dependence of

the error on the number of bits.

CLASSIFICATION: none

SUBMITTED: 11 Nov 64      ENCL: 00      SUB CODE: SC IE  
NO REF Sov: 003      OTHER: 000

ACCESSION NR: AP4043472

S/0103/64/025/008/1198/1202

AUTHOR: Kupershmidt, Ya. A. (Moscow)

TITLE: Determining criteria for noise immunity and accuracy of telemetering

SOURCE: Avtomatika i telemekhanika, v. 25, no. 8, 1964, 1198-1202

TOPIC TAGS: telemetering, telemetry system, telemetry

ABSTRACT: An attempt is made to establish a single mathematical method for the determination of averaged criteria of noise immunity and accuracy of a telemetering system; the case is treated when the mean and mean-square errors have different values at various points of the measurement range. These formulas are developed for the case of a noise in the link and an instability in the apparatus:

the total mean square error:  $\overline{\delta_e^2} = \left( \sum_{i=1}^n \delta_i \right)^2 + \sum_{i=1}^n (\delta_i^2 - \overline{\delta_e^2})$ ,

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ACCESSION NR: AP4043472

$$\text{the total maximum error: } \delta_{\max} = \left| \sum_{i=1}^k \delta_i \right| + r \sqrt{\sum_{i=1}^k (\delta_i^2 - \bar{\delta}_i^2)}.$$

Orig. art. has: 1 figure and 20 formulas.

ASSOCIATION: none

SUBMITTED: 09 May 63

ENCL: 00

SUB CODE: EC, IS

NO REF SOV: 003

OTHER: 000

Card 2/2

the scientific and technical conference on "Informatika-86".

Topics of interest include: cybernetics, electric measurement, electrical reliability, instrument, digital computer, electronic equipment, electric power systems.

AP5004677

Device Engg. V. MANDEL'SHTAM (Leningrad)--report on a new criterion of accuracy of

Converter with Auto-matic Error Correction"; I. S. MALINOVSKII, V. S. KALENCHUK and  
I. A. YANOVICH (Kiev); "Automatic Monitoring of the Parameters of the Electrical  
Signals of Complex Radio and Electronic Equipment"; V. P. PEROV (Moscow); "Operational

Card 2/4

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927610004-2

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ALL INFORMATION CONTAINED

HEREIN IS UNCLASSIFIED

REF ID: A6572  
Method for Calculating the Holding Time of Communications in a Centralized Message Switching Center - Current Data

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927610004-2"

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927610004-2

1. 41182-65

2. 12-13-65 AP5004677

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927610004-2"

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927610004-2

KUPERSHMIT, Ya.A. (Moskva)

Determination of noise stability criteria and telemetering  
accuracy. Avtom. i telem. 25 no.8:1198-1202 Ag '64.

(MIRA 17:10)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927610004-2"

L 1/CDN-06 FWD 1/RS-2 00  
ACC NR: A16012345

SOURCE CODE: UR/0000/0000/0000/0026/0049

AUTHOR: Kupershmidt, Ya. A.; Formin, A. F.; Shastov, V. N.

/1

B7-1

ORG: none

TITLE: Optimal methods of information transmission in telecontrol systems

SOURCE: Nauchno-tehnicheskaya konferentsiya po voprosam priyazhennoy telemekhaniki, Moscow, 1963. Promyshlennaya telemekhanika (Industrial telemechanics); materialy konferentsii, Moscow, Izd-vo Energiya, 1966, 26-49

TOPIC TAGS: remote control system, telemetry system, supervisory control system

ABSTRACT: A purely theoretical examination is presented of the following points: noise rejection and efficiency of transmission of discrete and continuous information; "trading" frequency band for signal power; comparison of various codes and modulation methods; selection of the optimal clock interrogation frequency in multi-channel time-division telemetry systems. It is found that: (1) Error-correcting codes and high-energy-per-element codes permit enhancing the noise rejection by making the signal band wider; the band-for-energy "trading" conditions are more

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L 37661-66

ACC NR: AT6012345

favorable: (a) for error-correcting codes when narrow-band and wide-band traffic are used and (b) for high-energy codes when a secondary code is used; (2) The above codes and a wider frequency band ensure better noise rejection than that obtainable with PCM-AM and PBN-FM systems; (3) The FM, PBN-FM, PSK, Pulse-Phase methods have greater noise rejection than binary-code digital systems (such as PCM or PBN); the noise rejection of analog methods with optimal band is roughly equivalent to the noise rejection of discrete methods with orthogonal signals; (4) an optimal period of integration exists in multichannel time-division telemetry systems; this period ensures minimum error due to time and level quantization of noise and to other factors. *(AII)*  
Orig. art. has: 7 figures, 35 formulas, and 3 tables.

SUB CODE: 09 / SUBM DATE: 08Jan66 / CRIG REF: 010

2/2

ns

KUPERSHTEYN, A. P.

Diagnostic, prognostic and epidemiological importance of determining the activity of transaminase and aldolase in Botkin's disease in children. Pediatrilia no.6:47-51 '62.  
(MIRA 15:6)

1. Iz infektsionnoy klinicheskoy bol'nitsy Karagandy (glavnyy vrach N. P. Akulov) Nauchnyy rukovoditel' - prof. M. Ye. Sukhareva.

(HEPATITIS, INFECTIOUS) (TRANSAMINASES)  
(ALDOLASE)

KUPERSHTEYN, A.P.; MOSYAKOVA, P.F.; RODMERI, P.A.

Recurrences and exacerbations of Botkin's disease in children.  
Zdrav. Kazakh. 22 no.8:43-47 '62  
(MIRA 17-4)

1. Iz infektsionnyy klinicheskoy bol'nitsy Karagandy; nauchnyy  
rukovoditel' temy - prof. M.Yo.Luchareva.

KUPERSHTYN, L.N.

Quartz filter with an amplifier. Izm. tekhn. no. 1:48 Ja '65.  
(MIRA 1814)

KUPERSHTEYN, R.I.

Ocular lesions in the temporal arteritis syndrome. Vest. oft.  
71 no.3:11-17 My-Je '58 (MIRA 11:9)

1. Glaznoye otdeleniye polikliniki Leningradskogo meditsinskogo  
instituta imeni akad. I.P. Pavlova (nauchnyy rukovoditel' - prof.  
L.A. Dymshits).

(ARTERITIS, compl.  
temporal, with eye dis. (Rus))  
(EYE DISEASES, etiol. & pathogen.  
temporal arteritis (Rus))

OSTRENKO, V.Y., kand.tekhn.nauk; BOBRAKOV, L.D., inzh.; Prinimali uchastiye:  
ROZENFEL'D, N.B.; OSLAMENKO, L.S.; TSERETELI, P.A.; KINDELIN, I.D.;  
KUPERSHTEYN, Ye.A., TOPAL, V.A.

Organizing the rolling of large-diameter thin-walled pipes on the  
heavy-duty automatic unit at the Zakavkazskiy Metallurgical Plant.  
Biul.nauch.-tekhn.inform.VNITI no.4/5:17-23 '58. (MIRA 15:1)  
(Tiflis--Pipe mills)

KUPERSHTOK, K.I.; PERKAS, Kh.D.; VIT'KO, N.I.

Determination of fluorine in a nitric-hydrofluoric pickling  
solution. Zav.lab. 28 no.4:416-417 '62. (MIRA 15:5)

1. Nikopol'skly Yuzhnootrubnyy metallurgicheskiy zavod.  
(Fluorine Analysis)

KUPERSHTOK, K.I.; PERKAS, Kh.D.; BRILEVA, L.G.

Determination of the acidity of pickle baths in the presence of iron.  
Zav. lab. 31 no.8:947 '65. (MIRA 18:9)

I. Nikopol'skiy yuzhnootrubnyy zavod.

PHASE I BOOK EXPLOITATION SOV/5460

Leningradskiy metallicheskiy zavod. Otdel tekhnicheskoy informatsii.

Nekotorye voprosy tekhnologii proizvodstva turbin (Certain Problems  
in the Manufacture of Turbines) Moscow, Mashgiz, 1960. 398 p.  
(Series: Its: Trudy, vyp. 7) Errata slip inserted. 2,100 copies  
printed.

Sponsoring Agency: RSFSR. Sovet narodnogo khozyaystva Leningrad-  
skogo ekonomicheskogo administrativnogo rayona, Upravleniye  
tyazhelenogo mashinostroyeniya, and Leningradskiy dvizhdy ordona  
Lenina metallicheskiy zavod. Otdel tekhnicheskoy informatsii.

Ed. (Title page): G. A. Drobilko; Editorial Board: Resp. Ed.: G. A.  
Drobilko, B. A. Glebov, A. M. Mayzel', and M. Kh. Mernik; Tech.  
Ed.: A. I. Kontorovich; Managing Ed. for Literature on Machine-  
Building Technology: Ye. P. Naumov, Engineer, Leningrad Depart-  
ment, Mashgiz.

PURPOSE: This collection of articles is intended for technical  
personnel in turbine plants, institutes, planning organizations,  
as well as for production innovators.

Card -1/2

Certain Problems (Cont.)

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COVERAGE: The experience of the LNZ (Leningradskiy metallicheskij zavod - Leningrad Metalworking Plant) in the manufacture of modern large-capacity turbines is presented. Methods for the rationalization of basic manufacturing processes and for the mechanization and automation of manual operations are given. Descriptions of attachments and tools designed by LNZ for improving labor productivity and product quality are provided, and advanced inspection methods discussed. References accompany some articles. No personalities are mentioned. There are 26 references: 25 Soviet and 1 English.

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I. NEW PROCESSING METHODS IN MACHINING  
AND ASSEMBLY

Gamze, Z. M. [Engineer]. The Organization, Methods, and Trends in Efforts for Improving the Easy Manufacturability of Designs for Large Hydraulic Turbines

5

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Certain Problems (Cont.)

SOV/5460

Gurskiy, A. N. [Engineer], S. N. Kupershok [Engineer], V. N. Yegorov [Engineer], and A. M. Filippov. The Improvement of Assembly Process of Steam Turbines

85

Dolgov, V. A. [Engineer], and S. D. Kuzinets [Engineer]. The Manufacture of Rims and Blades for Radial-Flow Turbines

98

Gal'perin, M. I. [Engineer], and Ya. F. Fiterman [Engineer]. Characteristic Features in the Restoration of Hydraulic Turbines at the Supung GES [Hydroelectric Station]

108

Aristov, A. V. [Engineer]. The Manufacture of High-Pressure Screw Pumps

117

Shklovskiy, M. M. [Engineer], and M. L. Vakhter [Engineer]. The [Ball-] Burnishing of Stainless- and Austenitic-Steel Wire

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II. THE MECHANIZATION AND AUTOMATION  
OF LABOR-CONSUMING OPERATIONS

Card4/12

KUPERSHTOKH, I. TS.

Monocytic cupping test as an auxilliary method in diagnosis of  
typhus. Klin.med., Moskva 18 no.11:95 Nov 50. (CLML 20:5)

1. Vitebsk.

KUPERSHTOKH, I.TS.; POLISHCHUK, M.F.

Syntomycin therapy in typhoid fever. Sov.med.18 no.3:39 Mr '54.  
(MLRA 7:2)

1. Iz kliniki infektsionnykh bolezney Vitebskogo meditsinskogo  
instituta. (Typhoid fever) (Antibiotics)

KUPREVASSER, M.M., inzh., LESNCHINSKIY, A.A., kand.tekhn.nauk,  
POLYAK, M.U. kand.tekhn.nauk

Standard individual equipment for multichannel high-  
frequency telephone systems. Vest. sviazi 25 no.1:3-6  
Ja '65.

(MIRA 18-4)

KUPERVASSER, S.L.

New machinery for the processing of jute and hemp fibers. Tekst.  
prom. 15 no.12:12-14 D '55. (MLRA 9:3)

1. Starshiy nauchnyy sotrudnik TSentral'nogo nauchno-issledovatel'skogo instituta l'nogo volokna.  
(Carding machines) (Jute)

KUPERVASSER, S.L., inzh.

Method of calculating the degree of emulsion retting of jute-hemp fibers. Tekst.prom. 19 no.4:86-87 Ap '59.  
(MIRA 12:6)

(Jute) (Textile chemistry) (Retting)

ACC NR: AP6028548

SOURCE CODE: UR/0280/66/000/003/0172/0179

AUTHOR: Koziorov, L. M. (Moscow); Kupervasser, Yu. I. (Moscow)

ORG: none

TITLE: Optimal control synthesis for second order system with phase coordinate and control constraints

SOURCE: AN SSSR. Izvestiya. Tekhnicheskaya kibernetika, no. 3, 1966, 172-179

TOPIC TAGS: automatic control parameter, optimal control, automatic control circuit, approximation calculation

ABSTRACT: Optimal control is determined for a second-order plant (or system) described by two integrating networks in series. Optimality of the control is expressed in the minimization of the quadratic functional of the plant. Constraints of the inequality type are imposed on the phase coordinates and on the control function. A simulation method is used to derive a field of optimal controls, and an expression approximating optimum control (nonsporadic and stepless for a broad problem range) in a prescribed area of phase coordinates is developed. Boundary and trajectory conditions are also discussed. Orig. art. has: 46 formulas and 5 figures.

SUB CODE: 14/ SUBM DATE: 17Jun65/ ORIG REF: 002

Card 1/1

L 3602-66 EWT(d)/EPF(n)-2/EWP(v)/EWP(k)/EWP(h)/EWP(l) IJP(c) MW/BC  
ACCESSION NR: AP5021858 UR/0280/65/000/004/0154/0162

AUTHOR: Koziorov, L. M. (Moscow); Kupervasser, Yu. I. (Moscow)

TITLE: The synthesis of optimum controls for second order systems

SOURCE: AN SSSR. Izvestiya. Tekhnicheskaya kibernetika, no. 4, 1965, 154-162

TOPIC TAGS: optimal control, integrated circuit, automatic control theory

ABSTRACT: The optimum control minimizing the quadratic functional of an object described by two consecutive integrating circuits is determined using the Pontryagin maximum principle. The control object is described by the equation

$$\dot{x}_1 = x_2, \quad \dot{x}_2 = u. \quad (1.1)$$

and the control  $u$  is bounded by the condition

$$|u| \leq u_g. \quad (1.2)$$

Results show that within a certain phase coordinate domain the optimum control differs from the linear bounded control. The authors derive an expression approximating the optimum control within the entire phase plane and confirm some of the modeling results by analytical expressions. Results of the present study are in full agreement with the conclusions of C. D. Johnson and W. M. Wonham

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L 3602-66

ACCESSION NR: AP5021858

who studied the optimum control problem minimizing the quadratic functional by means of the Bellman equation. Orig. art. has: 59 formulas and 5 figures.

ASSOCIATION: none

SUBMITTED: 28Apr65

ENCL: 00

SUB CODE: IE, MA

NO REF SOV: 002

OTHER: 002

Card 2/2

VIGA, V.S.; KUPETIS, O.K.

Addition of dichlorocarbene to some  $\Delta$ -cyclohexenes. Zhur.org.khim.  
1 no. 24256-259 F 165. (MIRA 18:4)

1. Institut khimii i khimicheskoy tekhnologii AN Litovskoy SSR,

ACC NR: AT6021751

SOURCE CODE: UR/0000/66/000/000/0229/0235

AUTHOR: Plotnikov, V. M.; Kupetskiy, I. V.

ORG: none

TITLE: Problems in the design and construction of throttle-controlled gas flow sensors using a branched noncirculating flow

SOURCE: AN SSSR. Institut avtomatiki i telemekhaniki. Pnevmoavtomatika (Pneumatic automation). Moscow, Izd-vo Nauka, 1966, 229-235

TOPIC TAGS: pressure transducer, flow meter, flow measurement, gas flow

ABSTRACT: A gas flow sensor based on the detection of differential pressure across a fixed throttle in a gas line is discussed. The authors describe the device, calculate its parameters, and report construction details and performance of a sensor constructed using the configuration shown in Fig. 1. The servo system of the sensor is contained in enclosure 8, and consists of two chambers (+) and (-), separated by diaphragm 6. Nozzle 7 provides an outlet from the (+) chamber, which, through turbulent flow throttle DP<sub>1</sub> is connected with the upstream portion of the gas line at pressure P<sub>1</sub>. The lower chamber is connected directly to the downstream portion of the gas line at pressure P<sub>2</sub>. The upper (+) chamber is vented through nozzle 7 and the linear adjustable throttle DP<sub>2</sub> into the exhaust pipe. The device operates as follows: A pressure P<sub>1</sub> - P<sub>2</sub> is generated by gasflow (G') through the sensor. The same pressure

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ACC NR: AT6021751

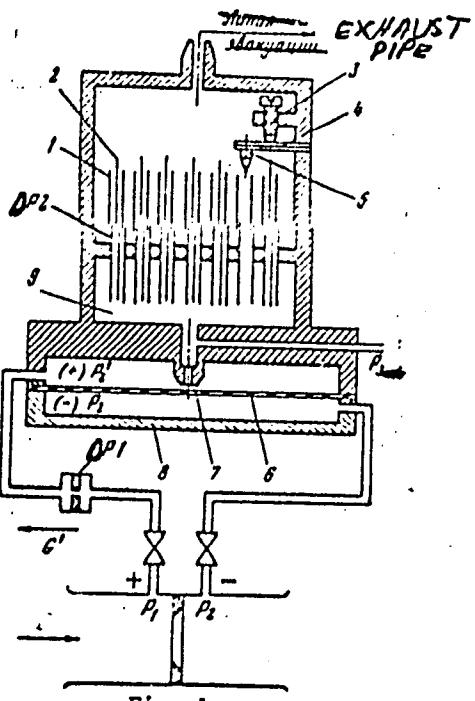


Fig. 1.

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ACC NR: AT6021751

differential also exists across the throttle  $DP_1$ , since the servo system maintains in the upper chamber the same pressure as that in the lower chamber. Gas flow ( $G'$ ) through throttle  $DP_1$  due to this difference in pressure is proportional to the flow ( $G$ ) through the main throttle in the gas line because of the similarity of the flow characteristics through both devices. The branched gas flow creates an excess pressure  $P_3$  in chamber 9 due to the gas passage through linear throttle  $DP_2$ . This excess pressure is measured by the sensor output, indicating the total gas flow in the line. Temperature compensation is accomplished through the bimetal element 4 and needle valve 5 equipped with an adjusting screw. The output is in the range of 0 to 1.0 or 0 to 0.8 kg/sq.cm. Orig. art. has: 6 figures, 15 formulas.

<sup>20</sup>  
SUB CODE: 13,14/ SUBM DATE: 03Feb66/ ORIG REF: 006/ OTH REF: 001

Card 3/3

KUPATSKIY, V.N.

Stationary glades in freezing seas, their causes and development  
[with summary in English]. Vest.LGU 13 no.12:172-183 '58.  
(MIRA 11:12)  
(Ice on rivers, lakes, etc.)

KUPZETSKIY, V.N.

Did the Sannikov Island ever exist? [with summary in English]  
Vest.LGU 13 no.18:152-158 '58. (MIRA 12:1)  
(Sannikov Island) (Geographical myths)

AUTHOR: Kupetskiy, V.M. SOV-12-90-4-2/22

TITLE: Hydrobiological Peculiarities of Polynias (Gidrobiologicheskiye osobennosti statcionarnykh polney)

PERIODICAL: Izvestiya Vsesoyuznogo geograficheskogo obshchestva, 1958, Vol 90, Nr 4, pp 315-323 (USSR)

ABSTRACT: Unfrozen patches of water in the midst of ice (polynia) covering the polar seas are formed by the action of wind removing drifting ice from the land floes and are found in all polar seas. Hydrobiological peculiarities of such free patches are determined by the increased intensity of the vertical water circulation. The oxygen penetrating the water creates especially favorable conditions for the breathing of the organisms and the deep water is rich in biogenous salts, needed for feeding. Favorable conditions are thus created for all animal and plant organisms living in the water and on the bottom of the sea, and this in turn attracts sea animals and birds. The author reviews

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Hydrobiological Peculiarities of Polynia

SOV-12-90-4-2/22

all such open sea patches, explored by many scientists, and  
stresses their importance for the fishing and hunting industries. There are 84 references, 72 of which are Soviet and  
12 are English.

1. Polynias--Hydrobiological studies    2. Polynias--Economic aspects

Card 2/2

KUPINSKIY, V.N., Cand Geog Sci - "Stationary snowwood in freezing seas." Leningrad, 1959. 12 pp (In: of Higher education. Len Order of Lenin State Univ. L.A. Zhdanov), 150 copies (U,27-59,118)

- // -

19(3)  
3(5)

SOV/13-31-3-8/14

AUTHOR: Kupetskiy, V.N.

TITLE: The Bell Sand on the Saarema Island

PERIODICAL: Izvestiya VGO, 1959, Nr 3, pp 271-272 (USSR)

ABSTRACT: The author reports that he found the so-called singing or bell sand on the Saarema island in the Baltic Sea, more precisely on the Kipsarenukk cape of the North-West promontory of the Tagamyys peninsula. He also found bell sand in the semi-desert area, east of the Volgo-Akhtubinskaya poyma (flood-plain) in the area of the Sasykoli village. There are 3 Soviet references.

Card 1/1

KUPETSKIY, V.N.

The deep waters of the Atlantic Ocean as a cause of certain  
specific features of the polar climate. Probl.Arkt. no.6:  
13-21 '59. (MIRA 13:6)

(Arctic regions--Atmospheric temperature)  
(Arctic regions--Ocean currents)