

GRIN, G.L.

Effect of the shape of the voltage curve on the readings of an
infralow-frequency average-value voltmeter. Izv. tekh.
no.12:26-28 D '63. (MIRA 16:12)

L 33547-65 EWA(j)/EWA(k)/FBD/ENT(1)/EEC(k)-2/EEC(t)/T/EEC(b)-2/ENT(k)/ENA(m)-2/
EWA(h) Pn-4/Po-4/Pf-4/Peb/Pi-4/Pl-4 IJF(c) #G
S/0115/65/000/001/0050/0053

ACCESSION NR: AP5009239

AUTHOR: Grin, G. L.; Kvaskov, L. Ya.

TITLE: An exhibition--Fifteen years of the German Democratic Republic

SOURCE: Izmeritel'naya tekhnika, no. 1, 1965, 50-53

TOPIC TAGS: gas laser, solid state laser, laser/ ZGL 900 laser, ZFL 750 laser

ABSTRACT: An exhibition entitled, "Fifteen Years of the German Democratic Republic," held in Moscow from 3 October to 1 November 1964, featured two East German lasers. The ZGL-900 gas laser consists of a cavity, a high-frequency oscillator, and a power supply. The operating wavelength is 1.153 μ , and the quartz-stabilized oscillator delivers from 2 to 80 watts in steps at 40.65 Mc. The unit includes multilayer plane and hemispherical mirrors ($R = 1$ m and $R = \infty$, respectively) with a reflection coefficient of about 99%. The mirrors are mounted on and adjusted by 4 invar rods. The laser head with oscillator is 1090 x 130 x 500 mm and the power supply unit is 405 x 210 x 305 mm. Total weight is 30 kg.

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L 33547-65

ACCESSION NR: AP5009239

The ZFL-750 solid-state laser was demonstrated as an integral part of a device for drilling and inspecting small holes. The laser rod is 45 to 60 mm long and 3-7 mm in diameter. Its xenon flash lamp is driven by a 1000-3000-v power supply. The air-cooled laser yields from 3 to 12 pulses per sec. The laser head is 140 x 120 x 180 mm and the power supply unit is 350 x 430 x 640 mm. Total weight is 80 kg. Solid-state laser resonators for six different wavelengths from 7082 to 25,560 Å were shown separately.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

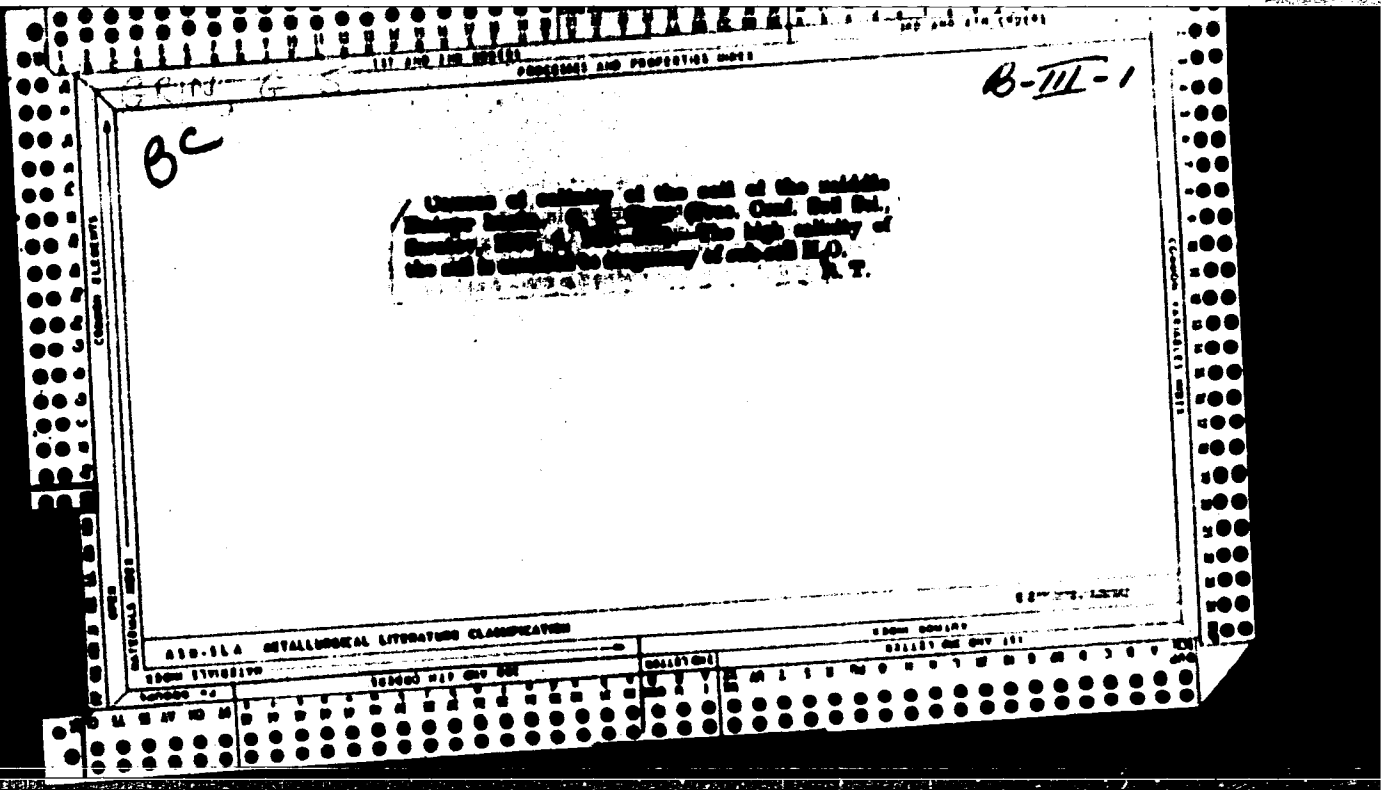
SUB CODE: EC

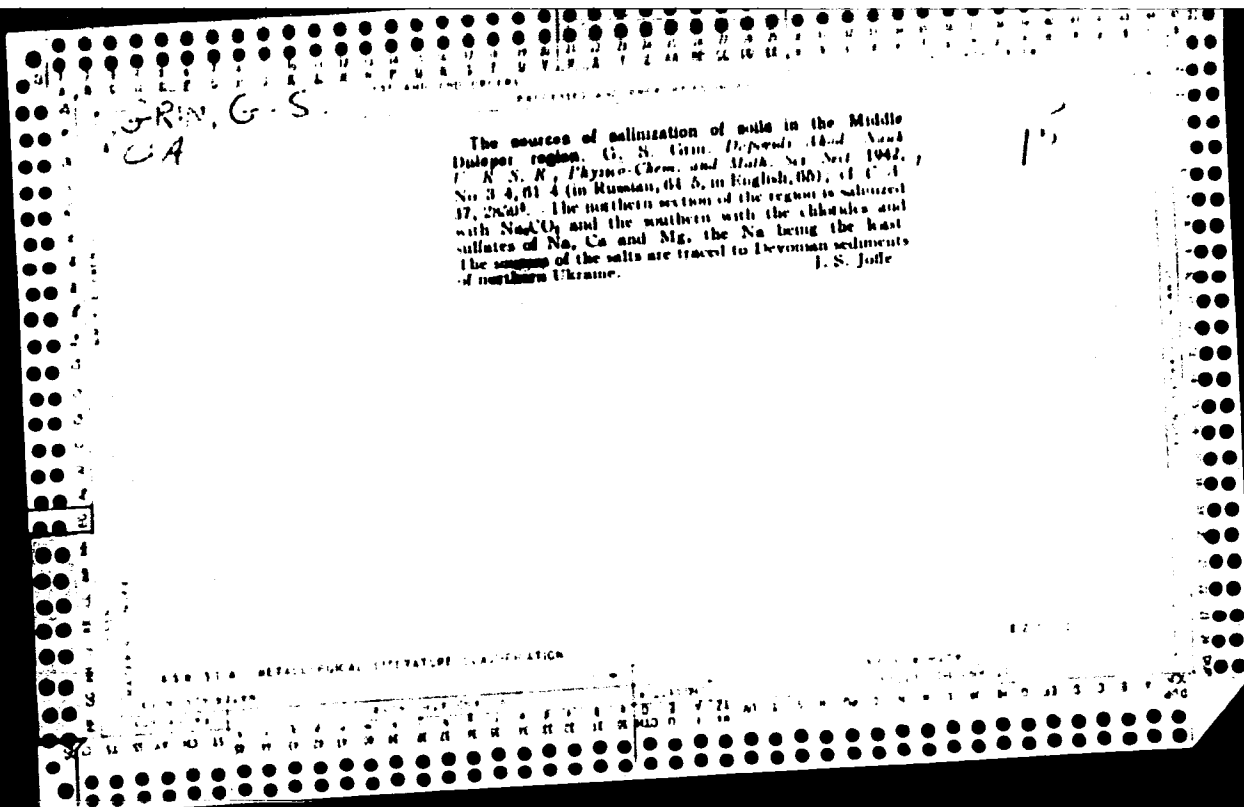
NO REF SOV: 000

OTHER: 000

ATD PRESS: 3193-F

Card 2/2





GRIN', G.S.; KRUPSKIY, N.K., kandidat sel'skokhozyaystvennykh nauk; KISEL', V.D.
~~SOLOLOVSKIY, A.N.~~, redaktor; GRINCHENKO, A.M., kandidat sel'skokhozyay-
stvennykh nauk, redaktor; SHIKAN, V.L., redaktor; SIVACHENKO, Ye.K.,
tekhnicheskii redaktor.

[Soil characteristics of the Negaysk Massif in the Ukraine from the
point of view of agricultural land improvement] Agromeliorativnaia
kharakteristika pochv Negaiskego massiva Ukrainy. Kiev, Izd-vo Aka-
demii nauk USSR, 1955. 68 p. [Microfilm] (MIRA 9:6)

1. Deystvitel'nyy chlen AN USSR (for Sokolovskiy).
(Ukraine--Soils)

AKULOV, L.S.; GRIN, G.Y.

[Weighing methods in Soviet trade] *Vesovee khoziaistvo v sovetskoi*
torgovle. Izd. 2., dop. Moskva, Gostorgizdat, 1953. 73 p. (MLR 6:8)
(Scales (Weighing instruments))

AKULOV, L.; GRIN, G.V.

[Weighing methods in trade]
torgisdat, 1948. 70 p.

Vesovoe khoziaistvo v torgovle. Moskva, Gos-

(MLRA 6:8)

(Scales (Weighing instruments))

GRIN, Georgiy Vladimirovich; LYUDSKOV, B.P., redaktor; SALASHOV, V.I.,
tekhnicheskii redakter.

[Maintenance of weighing instruments and their use in stores; a
manual for storekeepers] Ukhod za vesozmeritel'nymi priborami i
pol'sovanie imi v magazine; pamiatka dlia prodavtsa. Moskva, Gos.
isd-vo torg-lit-ry, 1957. 51 p. (MLRA 10:5)
(Scales (Weighing instruments))

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AKULOV, L.S.; ACHIL'DIYEV, U.I.; VOLOSOV, G.D.; GORDON, L.I.; GRIN, G.V.;
GROMOV, M.A.; KIRILLOV, A.Ya.; LIPSHITS, N.I.; MITROPOL'SKIY, N.Y.;
RAYSKIY, I.D.; SMIRNOV, V.B.; PAYVUSOVICH, A.Kh.; FEDOROVA, I.Yu.;
TSYPIN, I.M.; CHEKHOVICH, D.I.; ISKOVA, A.K., red.; SUDAK, D.M.,
tekh.red.

[Handbook on equipment for commercial enterprises and public food
service] Spravochnik po oborudovaniyu dlia predpriatii trgovli
i obshchestvennogo pitaniia. Moskva, Gos.izd-vo torg.lit-ry,
1959. 322 p. (MIRA 12:12)

1. Inzhenerno-tekhnicheskiye rabotniki Upravleniya torgovogo
oborudovaniya i Tsentral'nogo konstruktorskogo byuro torgovogo
mashinostroyeniya (for all except Ishkova, Sudak).
(Business enterprises--Equipment and supplies)
(Restaurants, lunchrooms, etc.--Equipment and supplies)

V.
GRIN, G.; LYUBARSKIY, A.

New equipment of self-service stores abroad. Sov. torg. 33 no.7:
45-51 J1 '59. (MIRA 12:9)
(Store fixtures)

GRIN, G. V.

Mechanical equipment of stores abroad. Sov. torg. 33 no.8:56-61
Ag '59. (MIRA 12:11)
(Stores, Retail--Equipment and supplies)

AKULOV, L.S.; ACHIL'DIYEV, U.I.; VOLOSOV, G.D.; GORDON, L.I.; GRIN, G.V.;
GROMOV, M.A.; KIRILLOV, A.Ya.; LIFSHITS, N.I.; MITROPOL'SKIY, A.V.;
RAYSKIY, I.D.; SMIRNOV, V.B.; FAYVUSOVICH, A.Kh.; FEDOROVA, I.Yu.;
TSYPIN, I.M.; CHEKHOVICH, D.I.; ISKOVA, A.I., red.; KISELEVA, A.A., tekhn.red.

[Handbook on equipment for commercial enterprises and public food
service] Spravochnik po oborudovaniyu dlia predpriatii trgovli i
obshchestvennogo pitaniia. Izd.2., dop. Moskva, Gos. izd-vo torg.
lit-ry, 1960. 333 p. (MIRA 14:10)
(Restaurants, lunchrooms, etc.--Equipment and supplies)

GIL'DENBLAT, Sh.N., inshener; ~~GRIN, I.D.~~

Experience in stamping on crank presses. Vest.mash. 37 no.6:41-43
Je '57. (Power presses) (Forging) (MLRA 10:7)

GRIN', I.M.

Wood samples for tensile strength testing. Der. orom. 9 no. 4:25
Ap '60. (MIRA 13:9)

(Wood--Testing)

GRIN', Igor' Mikhaylovich[Hrin', I.M.], dots.; ALEKSANDROVSKIY, O.Ya.
[Aleksandrovs'kyi, O.IA.], red.; VISHNEVYY, V.V.[Vyshnevyy,
V.V.], red.; BABIL'CHANOVA, G.O.[Babil'chanova, H.O.], tekhn.
red.

[Wooden elements]Derev'iani konstruktsii. Kyiv, Dershbudvydav
URSR, 1962. 237 p. (MIRA 16:3)
(Building, Wooden)

GRIN', Igor' Mikhaylovich; ILIK, Mark Il'ich; POBEREZKIN,
Yarim Anatsiyevich; SKVORTSOV, Nikolay Alekseyevich;
SHEVCHENKO, V.P., dots., otv. red.

[Use of plastics in structural engineering] Stroitel'-
nye konstruktsii s primeneniem plasticheskikh mass. [By]
I.M.Gr'in i dr. Khar'kov, Izd-vo Khar'kovskogo univ.,
1964. 181 p. (MIRA 18:1)

DUBLYANSKAYA, N.F., kand.khim.nauk; GRIN', I.S.

Composition of seeds and oil from regionally adopted castor-oil
plant varieties. Masl.-zhir. prom. 27 no,11:20-21 # '61.

(MIRA 15:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut maslichnykh
i efiromaslichnykh kul'tur.

(Castor oil--Analysis)

(Castor-oil plant--Varieties)

GRIN', L.P.

[Handbook for the operator of engines and gas-generators of an electric power plant] V pomoshch' motoristu i gazogeneratorshchiku elektrostantsii. Kiev, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry [Ukr.otd-nis] 1952. 159 p.

(MLBA 6:7)

(Engines--Handbooks, manuals, etc.)

GRIN', L.P.

Electric power stations with gas producers working on bottom peat. Torf.
prom. 30 no.6:29-30 Je '53. (MLRA 6:5)

1. Ukrinstoplivo. (Gas generators) (Electric power plants)

GRIN', L. P.

Machinery for cheskrow seeding and planting row crops; working principles and operation Kiev, Mashgiz, 1955. 100 p.

GRIN', L. P.

GRIN', L. P. -- "Investigation of the Basic Exploitation Indicators of Gas-burning Motor Installations Operating on Lowland Peat and Designed for Collective Farm Power Plants." Min Agriculture USSR, Ukrainian Order of Labor Red Banner Agricultural Academy, Kiev, 1956. (Dissertation for the Degree of Candidate of Technical Sciences)

SO: Knizhna Letopis' No 43, October 1956, Moscow

GRIN', L.P., inzhener, redaktor

[The DT - 14 tractor; operating manual] Traktor DT - 14; rukovodstvo
po ekspluatatsii, Kiev, Gos. nauchno-tekhn. izd-vo mashinostroit.
lit-ry, 1956. 189 p. (MIRA 10:1)

1. Khar'kovskiy traktoroborochnyy zavod.
(Tractors)

GRIN', Leonid Petrovich; DZHUVAGO, V.P., kandidat tekhnicheskikh nauk, retsenzent; KONDAK, N.M., kandidat tekhnicheskikh nauk, redaktor; SERDYUK, V.K., inzhener, redaktor izdatel'stva; RUDENSKIY, Ya.V., tekhnicheskii redaktor

[Gas generators for power in agriculture] Silovye gasogeneratornye ustanovki dlia sel'skogo khoziaistva. Kiev, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1956. 195 p. (MLRA 9:12)
(Gas producers)

GRIN', L.P.; GAPONENKO, V.S.

Conference on theory and practice. Sel'khoz mashina no.4:32-33 Ap '57.
(MLRA 10:4)

1. Sekretar' orgkomiteta konferentsii (for Grin'). 2. Sekretar' sektora
"Sovershenstvovaniye tekhnologicheskikh protsessov i konstruktsiy
sel'skokhozyaystvennykh mashin (for Gaponenko).
(Agricultural machinery)

GRODZIYEVSKIY, Venianin Isaakovich; GRIN', L.P., kand.tekhn.nauk,
retsensent; MAYEVSKIY, V.V., inzh., red.

[Centrifugal oil purification in tractor engines] TSentro-
beshnaia oshistka masla v traktornykh dvigateliakh. Moskva,
Gos.nauchno-tekhn.isd-vo mashinostroit.lit-ry, 1960. 71 p.
(Tractors--Engines--Oil filters)

YATSENKO, Viktor Avanas'yevich; GRIN', L.P., kand. tekhn. nauk,
retsensent; PILIPENKO, Yu.P., inzh., red.; GORNIOSTAYPOL'SKAYA,
M.S., tekhn. red.

[Operation and repair of agricultural machinery] Eksploatatsia
i remont sel'skokhosisiaistvennykh mashin. Moskva, Mashgiz,
1961. 314 p. (MIRA 15:4)

(Agricultural machinery)

PIVOVAROV, Lev Aleksandrovich [Pyvovarov, L.O.], kand. tekhn.
nauk; GRIN', Leonid Petrovich [Hryn', L.P.], kand. tekhn.
nauk; Prinipal uchastiye MIKRYUKOVA, Ye.D.; YURCHENKO,
P.M., red.

[Fundamentals of safety engineering] Osnovy tekhniky bez-
peky. Kyiv, Radians'ka shkola, 1965. 127 p. (MIRA 18:9)

ARSHINSKIY, V.M.; BAGAUTINOV, G.A.; BESPALOV, M.V.; GASPAROVICH, P.I.;
GOLOMIDOV, I.N.; GOLUBOV, G.B.; GRIN, L.T.; ZEL'SKIY, S.A.;
IL'INYKH, A.F.; KOZIN, V.Z.; KRYUKOV, V.P.; KULAKOV, S.N.;
LUKAS, V.A.; MINEYEV, V.A.; PETROV, Yu.S.; PIRUSHKO, M.G.;
PROKOP'YEV, Ye.V.; REBETS, B.A.; STARTSEV, N.V.; TROP, A.Ye.,
prof.; KHRAMOV, V.A.; ABRAMOV, V.I., otv. red.; PROZOROVSKAYA,
V.L., tekhn. red.; BOLDYREVA, Z.A., tekhn. red.

[Handbook on electric equipment for mines] Spravochnik gorno-
go elektrotekhnik. Pod obshchei red. A.E.Tropa. Moskva,
Gosgortekhzdat, 1962. 400 p. (MIRA 16:5)
(Electricity in mining)

KHARAKHASH, V.G., inzh.; YAROLZHEVSKIY, S.A., inzh.; ALEYSEYEV, N.N.,
inzh.; KOLESNIK, N.A., inzh.; FRIDMAN, O.A., inzh.; GRUBA, A.I.,
inzh.; GRIN', L.V.; PETRAKOV, V.I.

Electric insulation coatings on the inside surface of battery
boxes of electric mine locomotives. Ugol' Ukr. 10 no. 1:
31-33 Ja '66. (MIRA 18:12)

1. Ukrainskiy nauchno-issledovatel'skiy institut plasticheskikh
mass.

GRIN', M., burovoy master, Geroy Sotsialisticheskogo Truda

To the First Secretary of the Central Committee of the CPSU,
Chairman of the Council of Ministers of the U.S.S.R. Comrade
Nikita Sergeevich Khrushchev. Neftianik 6 no.2:2-3 F '61.
(MIRA 14:10)

1. Kontora bureniya No.3 tresta Al'met'yevburneft'.
(Al'met'yevsk region--Oil well drilling)

TROFIMOVSKAYA, Yelena Aleksandrovna, kand. geogr. nauk[deceased];
GRIN, M.F., kand. ekon. nauk, nauchn. red.; KHAKIMOV,
V.Z., red.; RAKITIN, I.T., tekhn. red.

[Consolidated power system] Edinaia energeticheskaja. Mo-
skva, Izd-vo "Znanie," 1963. 39 p. (Novoe v zhizni, nauke,
tekhnike. XII Seria: Geologija i geografija, no.18)
(MIRA 16:10)

(Interconnected electric utility systems)
(Electric power distribution)

GRIN, M.F.

GRIN, M.F. and A.G. KAUFMAN. Ekonomicheskaja geografiia SSSR po oblastiam, kraiam i respublikam...Moskva, Sotsekgiz, 1933--
CtY

SO: LC, Soviet Geography, Part I, 1951, Uncl.

BOGCYAVLENSKIY, G.P.; DUNAYEV, V.N.; MEDOSEKIN, D.V., Primaliuchastiye:
QALITSKIY, V.A., GRIN, M.F., kand.ekonom.nauk, nauchnyy red.;
ZABELIN, I.M., kand.geograf.nauk, nauchnyy red.; SAMSOMENKO, L.V.,
nauchnyy red.; FRANKIN, M.G., kand.geograf.nauk, nauchnyy red.;
MAL'CHEVSKIY, G.N., red.kart; GLEYKH, D.A., tekhn.red.

[The earth and its people; a geographical calendar for 1959]
Zemlia i liudi; geograficheskii kalendar', 1959. Moskva, Geo-
grafis, 1958. 390 p. (MIRA 12:3)
(Geography)

GRIN, M.F., dotsent, kand.ekonom.nauk

[Economic geography of the U.S.S.R.: introductory section,
general part of the course; textbook] Ekonomicheskaja geo-
grafiia SSSR; vvodnyi razdel; obshchaia chast' kursa; uchebnoe
posobie. Moskva, Zaachnyi in-t sovetskoi torgovli, 1959.
160 p. (MIRA 13:5)
(Russia--Economic conditions)

GRIN, M.F.

Eastern regions of the U.S.S.R. in 1965. Geog. v shkole 22 no.3:
12-26 My-Je '59. (MIRA 12:11)
(Russia--Economic policy)

BOGOYAVLENSKIY, G.P.; NEDOSEKIN, D.V.; MAL'CHEVSKIY, G.N., red.-sostavitel'
kart; BELEN'KIY, A.B., kand.istor.nauk; nauchnyy red.; GRIN, M.F.
kand.ekonom.nauk, nauchnyy red.; ZABELIN, I.M., kand.geograf.nauk,
nauchnyy red.; SAMSONENKO, L.V., nauchnyy red.; FRADKIN, N.G.,
kand.geograf.nauk, nauchnyy red.; BELICHENKO, R.K., mladshiy
red.; VILKINSKAYA, N.N., tekhn.red.

[The land and the people; the 1961 geographical calendar] Zemlia
i liudi; geograficheskiy kalendar' 1961. Moskva, Izd-vo geogr.
lit-ry, 1960. 262 p. [New construction projects, 1959-1965;
color map. Appendix to "Zemlia i liudi," the 1961 geographical
calendar] Novostroiki semiletki, 1959-1965; tavetnais karta.
Prilozhenie k geograficheskomu kalendaru "Zemlia i liudi" na
1961 g. (MIRA 14:1)

(Geography)

(Russia--Industries--Maps)

GRIN, M.F., kand.geograficheskikh nauk

Lenin wrote about this land. Nauka i zhizn' 27 no. 4:22-27

Ap '60.

(MIRA 14:5)

(Bashkiria--Natural resources)

GRIN, Moisey Filippovich; MYAKUSHKOV, V.A., red.; BELICHENKO, R.K.,
mladshiy red.; BURLAKA, N.P., tekhn. red.; LOBANOVA, R.S.,
tekm. red.

[Looking at the map of 1965] U karty shest'desiat piatogo goda.
Moskva, Gos.izd-vo geogr.lit-ry, 1961. 165 p. (MIRA 14:12)
(Russia—Economic policy)

GRIN, M.F., kand.ekonom.nauk

Protect, conserve and utilize wisely. Nauka i zhizn' 28 no.4:32-36
Ap '61. (MIRA 14:5)
(Natural resources)

GRIN, M.F.

Communism and the transformation of nature. Priroda 51 no.1:25-36
Ja '62. (MIRA 15:1)

(Natural resources)

GRIN, Moisey Filippovich, kand. ekon. nauk; LEONOVA, T.S., red.;
HAKITIN, I.T., tekhn. red.

[Hidden treasures of "old" regions] Klady "starykh" raionov.
Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke,
tekhnike. XII Seria: Geologiya i geografiya, no.4)
(MIRA 16:2)

(Mines and mineral resources)
(Geological surveys)

MAKSAKOVSKIY, V.P.; STROYEV, K.F.; GRIN, M.F.; KIBAL'CHICH, O.A.; MASHBITS,
Ya.G.; ROZIN, M.S.

Nikolai Pavlovich Nikitin; on his 70th birthday. Izv.Vses.geog.ob-va
95 no.3:270 My-Je '63. (MIRA 16:8)
(Nikitin, Nikolai Pavlovich, 1893-)

BOGOYAVLENSKIY, G.P.; SHSHKIN, J.B.; GALITSKIY, V.A.; BELFN'KIY, A.B., kand.ist. nauk, nauchn. red.; GRIK, M.F., kand. ekon. nauk, nauchn. red.; ZABELIK, I.M., kand. geogr. nauk, nauchn. red.; LAPPO, G.M., kand. geogr. nauk, nauchn. red.; SAMSONENKO, L.V., red.; FRADKIN, N.G., kand. geogr. nauk, nauchn. red.; KIR'YANOVA, Z.V., mlad. red.

[The land and the people; Geographical calendar for 1965]
Zemlia i liudi; Geograficheskii kalendar' 1965. Moskva, Mysl', 1964. 303 p. (MIRA 18:1)

> 100, 100

AID P - 295

Subject : USSR/Engineering
Card : 1/1
Author : Grin', M. P.
Title : Speedy drilling of deep exploratory wells
Periodical : Neft. Khoz., v. 32, #4, 91-95, Ap 1954
Abstract : The author describes the efficient method of high speed drilling of exploratory wells and presents the working data in three tables.
Institution : None
Submitted : No date

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SOV/21-59-9-9/25

AUTHOR: Hryn', M.Ye.

TITLE: Spectra of One Type of Impulses

PERIODICAL: Dopovidi Akademiyi nauk Ukrayins'koyi RSR, Nr 9, 1959,
pp 967-970 (USSR)

ABSTRACT: In the seismographic geophysical exploration and in other branches of technology, reference to the spectral analysis of signals proved necessary in a number of instances. The spectra of the sections of the exponentially extinguishing sinusoid and of the bell-like impulse have already been discussed in some works [Ref 2]. It will, however, be expedient to study such signals which in the best way would correspond to the impulses watched on spectrograms. A type of impulses which is shown by the equations

$$\xi(t) = at e^{-\alpha t} \sin \omega_0 t \cdot \sigma(t),$$

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Spectra of One Type of Impulses

SOV/21-59-9-9/25

and

$$\varphi(t) = \alpha t^b e^{-ct} \cos \omega_0 t \cdot \omega_0 t \cdot \sigma(t)$$

may be considered as such impulses, whereby $\sigma(t)$ stands for the visible circular vibration; $\sigma(t)$ - single impulse; $A(t) = \alpha t^b e^{-ct}$ - amplitude of vibration. The graphs 2 and 3 show the functions (1) and (1a) as well as their amplitude and phase spectra with $\alpha=1, b=1, c=40, \omega_0=3/\pi$. The graphs of these two functions with a proper choice of parameters are similar to the seismograms of reflected and refracted waves and to waves modelled on the seismoscope. Complex spectra are described by the equations

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Spectra of One Type of Impulses

SOV/21-59-9-9/25

$$S(\omega) = \frac{\alpha b \Gamma(b)}{2} \left[\frac{\sin(b+1)\varphi_2}{\sqrt{(c^2 + \Omega_2^2)^{b+1}}} - \frac{\sin(b+1)\varphi_1}{\sqrt{(c^2 + \Omega_1^2)^{b+1}}} \right] -$$

$$- j \frac{\alpha b \Gamma(b)}{2} \left[\frac{\cos(b+1)\varphi_1}{\sqrt{(c^2 + \Omega_1^2)^{b+1}}} - \frac{\cos(b+1)\varphi_2}{\sqrt{(c^2 + \Omega_2^2)^{b+1}}} \right],$$

where $\varphi_1 = \arctg \frac{\Omega_1}{c}$; $\varphi_2 = \arctg \frac{\Omega_2}{c}$.

and

$$S(\omega) = \frac{\alpha b \Gamma(b)}{2} \left[\frac{\cos(b+1)\varphi_1}{\sqrt{(c^2 + \Omega_1^2)^{b+1}}} + \frac{\cos(b+1)\varphi_2}{\sqrt{(c^2 + \Omega_2^2)^{b+1}}} \right] -$$

$$- j \frac{\alpha b \Gamma(b)}{2} \left[\frac{\sin(b+1)\varphi_1}{\sqrt{(c^2 + \Omega_1^2)^{b+1}}} + \frac{\sin(b+1)\varphi_2}{\sqrt{(c^2 + \Omega_2^2)^{b+1}}} \right]$$

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Spectra of One Type of Impulses

SOV/21-59-9-9/25

The equations (1) and (1a) can be applied for theoretical derivations in seismographic geophysical explorations with taking into consideration the impulse phenomena, as for instance for interference, grouping of seismographs, etc. There are 3 graphs and 3 Soviet references.

ASSOCIATION: Instytut heolohiyi korysnykh kopalyn AN URSS (Institute of Geology of Mineral Resources of the AS of UkrSSR).

PRESENTED: By VII. Bondarchuk, Member AS of UkrSSR

SUBMITTED: February 25, 1959

Card 4/4

GRIN M.YE.

3(5)

SOV/21-59-10-9/26

AUTHOR: Hryn', M.Ye.

TITLE: On the Possibilities of Utilizing Spectral Analysis of Seismic Waves in an Interference Zone

PERIODICAL: Dopovidi Akademiya nauk Ukrayins'koyi RSR, 1959, Nr 10, pp 1086-1090 (USSR)

ABSTRACT: The article covers some considerations on the interference of seismic waves from the point of view of frequency analysis of impulses distributed in the spectra according to the Fourier integral. From the contents of the paper and from the graphs illustrating the spectra, the following conclusions may be derived. As a result of summing up the spectra of simple impulse, which are similar to the oscillograms of reflected and refracted waves, the so called minimums are formed on the frequency characteristic of the sum. This is shown by equations (4), (5), (6) and graphs 2 and 3. It has been suggested to use these minimums for determining Δt , the difference

Card 1/2

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SOV/21-59-10-9/26

On the Possibilities of Utilizing Spectral Analysis of Seismic Waves in an Interference Zone

between the entry times of two simple interfering waves (see equations (7),(7a),(8), (8a)). The frequency analysis may be used for dividing the seismic waves into simple and complicated ones and into interfering and non-interference waves. Examples of simple non-interference waves and their spectra are shown in graph 1. There are 3 graphs and 3 Soviet references.

ASSOCIATION: Instytut heolohiyi korysnykh kopalyn AN URSS (Institute of ~~the~~ Minerals' Geology of the AS UkrSSR).
PRESENTED: By V.H. Bondarchuk, Member of the AS UkrSSR
SUBMITTED: February 25, 1959

Card 2/2



NIKOLIN, R.I.; GRIN', N.P.

Treatment of pulmonary tuberculosis in mental patients. Vrach, delo
no.10:1085-1087 0 '59. (MIRA 13:2)

1. Kafedra psikhatrii (zaveduyushchiy - zaslushennyy deyatel' nauki,
prof. Ye.V. Maslov) L'vovskogo meditsinskogo instituta i L'vovskaya
Respublikanskaya psikhonevrologicheskaya bol'nitsa.
(TUBERCULOSIS) (MENTALLY ILL)

CHUYKO, O.V.; FIVNENKO, G.P. [Fivnenko, H.P.], PEPTSEV, I.M.,
CHAGOVETS, R.K. [Chahovets', R.K.]; GRIN', N.P. [Grin', N.P.]

Studying aseptic methods for the preparation of drugs.
Farmatsev. zhur. 17 no.6:43-48 '62. (MIRA 17:6)

1. Kafedra mikrobiologii i tekhnologii lekarstv Khar'kovskogo
farmatsevticheskogo instituta.

SEMIN'KO, V.A.; GRIN', N.P.

Methodology for quantitative determination of iodine in organic
pharmaceutical preparations. Farmatsev. zhur. 19 no.6:16-20
'64. (MIRA 18:4)

1. Khar'kovskiy farmatsevticheskiy institut.

GRIN', N. V.: Master Med Sci (diss) -- "The sanitary characteristics of the waste waters from production of fatty acids and the experimental principles of conditions for their release into reservoirs". Khar'kov, 1958. 15 pp (Khar'kov State Med Inst), 200 copies (KL, No 6, 1959, 143)

GRIN', N.V., aspirant.

Effect of synthetic fatty acids on the sanitary aspects of natural waters. Gig. i san. 23 no.12:13-19 D '58. (MIRA 12:1)

1. Iz kafedry kommunal'noy gigiyeny Khar'kovskogo meditsinskogo instituta.

(WATER--POLLUTION

sanit. assessment of synthetic fatty acids in water supply (Rus))

(ACIDS, FATTY
same)

GRIN', N.V., aspirant

Sanitary characteristics of sewage in synthetic fatty acid production. Gig. i san. 25 no.3:100-102 Mr '60. (MIRA 14:5)

1. Iz kafedry kommunal'noy gigiyeny Khar'kovskogo meditsinskogo instituta.

(FATTY ACIDS) (SEWAGE)

GRIN', N.V.; POKROVENKO, Zh.1.

Two cases of acute poisoning by carbon monoxide. Gig. i san. 25
no. 8:62-63 Ag '60. (MIRA 13:11)

1. Iz Stalinskogo meditsinskogo instituta i Stalinskoy gorodskoy
sanitarno-epidemiologicheskoy stantsii,
(CARBON MONOXIDE--TOXICOLOGY)

GRIN', N.V.

Experimental basis for the permissible concentrations of medium-
and high-molecular C₅ - C₂₀ fatty acids. San.okhr.vod.ot zagr.
prom.stoch.vod no.5:356-360 '62. (MIRA 17:6)

1. Kafedry kommunal'noy gigiyeny Khar'kovskogo meditsinskogo instituta.

L 32594-66 EWT(1) GW
ACC NR: AP5019414

SOURCE CODE: UR/0021/65/000/007/0889/0893

AUTHOR: Hryn', M. Ye.; Grin', N. Ye.

1
B

ORG: Institute of Geophysics AN UkrSSR (Institut geofiziki AN UkrSSR)

TITLE: Determination of the amplitude of two quasisinusoidal waves during interference

SOURCE: AN UkrSSR. Dopovidi, no. 7, 1965, 889-893

TOPIC TAGS: seismic wave, ^{VV} hodograph, signal interference

ABSTRACT: Formulas are given for the determination of the amplitudes of two pulse quasisinusoidal signals in the zone of interference from the zero point of summary oscillation. In calculations of the amplitudes from the formulas, errors are introduced by the inaccuracies in determining the angles φ_1 and φ_2 and the values of the summary amplitudes. These are essentially caused by an inaccuracy in drawing the zero line. These errors can be reduced by taking the average of several calculations. The amplitudes are necessary for the development of phase hodographs. The formulas are valid provided the visible periods of both signals are equal.

Card 1/2

L 32594-66

ACC NR: AP5019414

Presented by S. I. Subbotin, Academician AN UkrSSR. Orig. art. has: 16 formulas, 2 figures. 0

SUB CODE: 08/ SUBM DATE: 13May64/ ORIG REF: 005/ OTH REF: 000

Card 2/2

BK

111, 1/2

PA 111

USSR/Geological Prospecting
Generators, Wind-driven

Jul/Aug 1947

"Utilizing Wind Generated Electric Power for Geological Work," N. E. Grin', 3 PP

"Razvedka Nedr" No 4

Development and improvement of wind-powered generators has made it possible to use this source of power at geological workings. Discusses the various operating conditions and performance of the RD-1.5 VISKhOM and the D-3 VISKhOM type wind-powered generators.

LC

27138

GRIN', Nikolay Yefimovich; ANISIMKIN, I.F., red. izd-va; KRYNOCHKINA, K.V.,
tekhn. red.

[Regulations for the installation and operation of radio stations
in the Ministry of Geology and Conservation of Resources of the
U.S.S.R.] Pravila ustroystva i ekspluatatsii radiostantsii v
Ministerstve geologii i okhrany neдр SSSR. Moskva, Gos. nauchno-
tekhn. izd-vo lit-ry po geol. i okhrane neдр, 1956. 61 p.
(MIRA 11:9)

1. Russia (1923- U.S.S.R.) Ministerstvo geologii i okhrany
neдр. (Radio stations)

GRIN, V. Ye.

AUTHOR: Zhuravlev, V. and Grin', N.
TITLE: Application of Electronics in Geology
(Primeneniye elektroniki v geologii)

107-5-17/54

PERIODICAL: Radio, 1956, Nr5, p. 15 (USSR)

ABSTRACT: An invitation to radiospecialists and radiohams to develop a number of apparatus that may be useful in geological work. Fairly accurate specifications for the desired apparatus are given:

A seismic station with a 1-f voltage amplifier block of 12 to 26 units. Frequency band 30-350 c with narrow band-pass filters and high discrimination. Weight under 6 or 5 kg.

A radio link between seismic pickups and a seismic station; 12 channels.

An orebody locator for searching the interadit massives by means of the shadow method. Range 50 m or more. Frequencies 1 to 10 mc.

An instrument for accurate determination of length of the cable in borehole logging; error $\frac{1}{2}$ m in a length up to 1.000 m. Also an instrument is needed for accurate determination of a cable wire break.

An instrument for measuring the level of subterranean waters with an error of 2-3 mm in the range of a few meters. Recording of such measurements for 10 days or more.

1/2

107-5-17/54

Application of Electronics in Geology

A small-size spring-wound tape recorder, weight under 10 kg, for recording
aero-visual observations.

Two-way portable radios for survey teams: range 30 km, batteries enough for
6 days with actual communication periods 20 minutes a day, minimum size and
weight.

ASSOCIATION: Ministry of Geology and Preservation of Mineral Resources, USSR.

AVAILABLE: Library of Congress.

Card 2/2

GRIN', N.Ye. [Hryn', M.IE.]

Conditions of correlation and spectra of waves reflected from a
formation. Dop.AN URSS no.11:1509-1513 '60. (MIRA 13:11)

1. Institut geologii poleznykh iskopayemykh AN USSR. Predstavleno
akademikom AN USSR V.B.Porfir'yevym.
(Seismic waves)

S/169/62/000/003/017/098
D228/D301

3.9300

AUTHOR: Grin', N. Ye.

TITLE: Nomogram for deciphering interference zones

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 3, 1962, 21, abstract 3A178 (Nauchn. zap. L'vovsk. politekhn. in-t, no. 75, 1960, 82-87)

TEXT: A method is considered for calculating the time-travel curves of two waves t_1 and t_2 from the amplitude and the phase hodographs in the interference zone of these waves. A nomogram, permitting the quick determination of the magnitude and the sign of the displacement time -- $t_1(x)$ and $t_2(x)$ -- of the t_1 and t_2 wave oscillations at each point of observation along the profile, is proposed for shortening laborious calculations. The technique can be applied to decipher interference waves in modelling, in the correlation refraction method, and in the reflection method. [Abstracter's note: Complete translation.]

Card 1/1

9.9865
3.9300

S/169/62/000/006/024/093
D228/D304

AUTHOR: Grin', N. Ye.

TITLE: Determining the wave shift time in the interference zone by means of spectral analysis

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 6, 1962, 24, abstract 6A173 (Nauchn. zap. L'vovsk. politekhn. in-t, no. 75, 1960, 71-81)

TEXT: Ways are considered for determining the phase shifts of interfering vibrations; they are based on the analysis of amplitude spectra. An example is quoted for the analysis of a theoretical seismogram in the superposition zone. Possibilities of separating interfering flat waves in relation to their apparent velocities are investigated. [Abstracter's note: Complete translation.]

✓B

Card 1/1

GRIN', N.Ye. [Hryn', M.IF.]

Spectrum of the coefficient of reflection from a packet of layers.
Dop. AN URSSR no.12:1594-1597 '61. (MIRA 16:11)

1. L'vovskiy filial Instituta geofiziki AN UkrSSR. Predstavleno
akademikom AN UkrSSR S.I. Subbotinym.

GRIN', N.Ye.; LAZARENKO. M.A.

Errors attributable to a time limitation on the impulse in a
frequency analysis. Geofiz. sbor. no.3:13-18 '62. (MIRA 15:9)
(Seismic prospecting)

GRIN', N.Ye.

Spectra of waves reflected from a thinning layer. Geofiz. sbor. no.
7:3-10 '64. (MIRA 17:11)

1. Institut geofiziki AN UkrSSR.

GRIN', N.Ye. [Hryn', M.IE.]

Determination of the amplitude of two quasi-sinusoidal waves in
the interference zone. Dop. AN URSR no.7:889-893 '65. (MIRA 18:8)

1. Institut geofiziki AN Ukr-SSR.

GRIN', Nikolay Yevdokimovich [Hryn', M. E.]; SOLLOGUB, V. B. [Sollogub, V. B.],
doktor geol.-miner. nauk, otv. red.; SERDYUK, O. I., red.

[Interference and wave spectra in seismic prospecting]
Interferentsia i spektry kh-vnl' u seismorozvidk. Kyiv,
Naukova dumka, 1965. 126 p.

(MIRA 18*8)

Grin
/GRIN', P.

L-shaped slag concrete blocks. Sel'.stroil.12 no.12:19 D '57.

(MIRA 10:12)

1. Ispolnyayushchiy obyazannosti nachal'nika Chelyabinskoy
oblastnoy inspeksii gosudarstvennogo arkhitekturno-stroitel'nogo
kontrolya.

(Slag concrete)

BLIZNEUKOV, V.I. [Blizniukov, V.I.]; GLEN', V.A. [Gin', V.O.]

Structure and bacteriostatic activity of sulfazine and sulfodiazin.
Farmatsev. zhur. 16 no.5:9-13 '61. (MIRA 17:10)

1. Kafedra farmatsevticheskoy khimii Khar'kovskogo farmatsevticheskogo
instituta.

BLIZNYUKOV, V.I. [Blyzniukov, V.I.]; GRIN', V.A. [Hrin', V.O.]; TITSKIY, G.D.
[Tits'kiy, H.D.]

Structure and bacteriostatic activity of hydroxy and methoxy analogs
of some sulfanilamides. Farmatsev.shur. 20 no.1:13-16 '65. (MIRA 18:10)

1. Khar'kovskiy farmatsevticheskiy institut.

ACC NR: AP6018325

SOURCE CODE: UR/0102/65/000/006/0037/0047

AUTHOR: Hrin', V. F. -- Grin', V. F. (Kiev)

ORG: none

TITLE: Programmed coordination of controlling computer and dispatcher centralization

SOURCE: Avtomatyka, no. 6, 1965, 37-47

TOPIC TAGS: computer programming, cybernetics, computer control system, computer design, computer memory

ABSTRACT: The system of complex automation of dispatcher control (CADC) developed in the Institute of Cybernetics, AN UkrSSR (Instytut kibernetiky AN URSR) correlating the work of the controlling computer and the devices of polar-frequency dispatcher centralization (PFDC). The CADC system is made up of two algorithmic parts (computing and performing) and a technical part (transition devices). This paper discusses basic ideas about the performing part of the CADC. The analysis applies to the general-purpose computer Dnieper-1 which has a unit connecting it with its plant and may be used for the developed CADC in a railroad section. It has a 36-digit memory location. Control is realized by a proposed system of programmed correlation which is standard for all single-circuit sections with PFDC. The railway guide blocks of the main information channel occupy 106 two-address locations and the program, about 300 two-

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ACC NR: AP6018325

address locations. The author establishes the feasibility of such a system and describes algorithms, commands, CADC work in forming commands, and transmission of control commands along the reverse information channel. There are five channels in the system: calculated, sending, main information (one sending, one receiving), and relief. Orig. art. has: 6 tables and 2 figures.

SUB CODE: 09,06/ SUMM DATE: 01Feb65/ ORIG REF: 006

Card 2/2

ZAYTSEVA, G.Ya. [Zaitseva, H.IA.]; GRIN', V.G. [Hryn', V.H.]

Food of the gray mullet (*Mugil auratus* Risso) in Lake Molochnoye.
Pratsi Inst. gidrobiol. AN URSR no.35:156-158 '60. (MIRA 14:4)
(Molochnoye, Lake--Gray mullets)
(Fishes--Food)

GRIN', V.G. [Hryn', V.H.]

Seasonal changes in the phytoplankton of Rvach, a branch of the
Dnioper River. Ukr. bot. zhur. 17 no.5:61-71 '60. (MIRA 13:12)

1. Institut gidrobiologii AN USSR.
(Rvach Channel—Phytoplankton)

ZAYTSEVA, G.Ya. [Zaitseva, H.IA.]; GRIN', V.G. [Hryn', V.H.]

Food of the gray mullet (*Mugil auratus* Risso) in Eastern Sivash.
Pratsi Inst. gidrobiol. AN URSSR no.35 no.35:72-84 '60.

(MIRA 14:4)

(Sivash--Gray mullets)

(Fishes--Food)

GRIN', V.G. [Hryn', V.H.]

Effect of temporary salinization of water on the composition of
phytoplankton in the lower reaches of the Dnieper River in 1955.
Nauk.zap.Od.biol.sta. no.2:93-98 '60. (MIRA 14:11)
(DNIEPER RIVER--PHYTOPLANKTON) (SALINITY)

GRIN', V.G.

Effect of the Kakhovka Dam on the Phytoplankton of the lower course
of the Dnieper River. Vop. ekol. 5:44-46 '62. (MIRA 16:6)

1. Institut gidrobiologii AN UkrSSR, Kiyev.
(Dnieper River--Phytoplankton)

RADZIMOVSKIY, D.A. [Radzymovs'kiy, D.O.]; GRIN', V.G. [Hryn', V.H.]

Seasonal dynamics of the phytoplankton of the Dnieper River
above Kiev and in the mouth of the Pripet River. Ukr.bot.zhur.
19 no.5:84-93 '62. (MIRA 16:1)

(Dnieper River--Phytoplankton)
(Pripet River--Phytoplankton)

BRAGINSKIY, L.P.; GRIN, V.G.; KOSTENKO, S.V.; LAKSHIN, V.V.; SHUKOVA, L.V.

Mocurox and albazina as algicides used against filamentous algae. Trudy Gidrobiol. ob-va 14:52-65 '63. (MIRA 17:6)

1. Institut gidrobiologii AN UkrSSR, Kiyev.

GRIN', V.G. [Hryn', V.H.]

Characteristics of the phytoplankton in the lower Dnieper River
in 1955-1960. Pratsi Inst. hidrobiol. AN URSR no.39:28-40 '63.
(MIRA 17:12)

ACC NR: AT7007790

SOURCE CODE: UR/0000/64/000/000/0034/0048

AUTHOR: Grin, V. P.

ORG: none

TITLE: Seismicity of the lower Naryn Basin

SOURCE: AN KirgSSR. Sovet po seysmologii. Voprosy regional'noy seysmichnosti Sredney Azii (Problems of regional seismicity of Central Asia); materialy XXII sessii Soveta po seysmologii AN SSSR i Instituta fiziki, matematiki i mekhaniki AN Kirgizskoy SSR. Frunze, Izd-vo Ilim, 1964, 34-48

TOPIC TAGS: seismicity, ~~definite station~~, earthquake, epicenter /Naryn River

ABSTRACT: The seismicity of the Naryn river basin areas was investigated using the data from seismic observations conducted during 1962—1963 (7.5 months), 1957—1959 (2 years), and data from regional seismological stations for 1950—1962 (12.5 years). The most typical representative energy class ($K = \log E$, where E is in joules) of earthquakes in each case was $K = 7$, $K = 8$, and $K = 10$, respectively. In maps depicting the epicenters for the respective periods, the same concentrations of epicenters are delineated, namely, the Chatkal and the Naryn-Karasuysk elongated linear zones. The locations of the stronger and weaker earthquake epicenters during the respective periods do not coincide. Strong earthquakes occur in localized sectors—narrow seismically-active fracture zones. Area of consistent recurrence of earthquakes include only entire tectonic structures or their complexes. Two seismic

Card 1/2

UDC: none

ACC NR: AT7007790

activity maps based on materials of detailed investigations conducted in 1962—1963 and on materials from 7 regional seismological stations are given. The maps are based on the activity level scale (A_{10}) normalized in respect to an area of 1000 km² and an observation period of 1 year. Two zones of higher than normal activity with $A \geq 0.1$ are seen on the first map. These zones correspond to the Chatkal' and Naryn-Karasuysk belts on one side and the deltas of the Padshaata and Yassa rivers on the other. Individual sectors with $A_{10} \geq 0.3$ occur within their boundaries. The second map shows a satisfactory agreement between the two sets of data on the major seismic zones of the region. It is noted that the existing substantial differences between the two sets of data could affect seismic zoning maps. Orig. art. has: 6 figures and 1 table. [WA-79-67-4] [CS]

SUB CODE: 08/ SUBM DATE: none/ ORIG REF: 007/ OTH REF: 006/

Card 2/2

ROZOVA, Ye.A.; GRIN, V.P.; TURUSBEKOV, M.T., otvetstvennyy redaktor

[Location of epicenters of earthquakes occurring in Kirghizistan]
Raspolzhenie epitsentrov zemletriaseni, proishedshikh na
territorii Kirgizii. [Frunze] Akademiia nauk Kirgizskoi SSR [1955]
38 p. (MLRA 9:9)

(Kirghizistan--Earthquakes)

3(10)

PHASE I BOOK EXPLIATION

SOV/1702

Grin, V.P.

O seysmichnosti Kok-Shaal' (Seismicity of the Kok-Shaal Region)
Frunze, AN Kirgizskoy SSR, 1958. 138 p. 500 copies printed.

Sponsoring Agency: Akademiya nauk Kirgizskoy SSR, Frunze. Otdel
seysmologii.

Ed.: Ye.A. Rozova; Tech. Ed.: M.G. Anokhina

PURPOSE: This book is intended for seismologists and students of
tectonics, particularly those interested in the Central Asia
area.

COVERAGE: This volume concerns the study of instrumental data on
the earthquakes in Kok-Shaal (Lat. = 39°, 5-41° S; Long. =
75°, 0-79°, 0) region provided by seismic stations in Central
Asia. This study facilitated the preparation of typical (mean
and azimuthal) time-distance curves and the establishment of
a pattern of epicentral clustering. Application of the mathe-
ematical statistical method brought out the relationship between

Card 1/3

Seismicity of the Kok-Shaal (Cont.)

SOV/1702

the earthquake foci and the lines of tectonic weakness (ruptures), and showed that the use of various graphic methods in determining the epicentral positions produce satisfactory results. Clusters of epicenters do not always coincide with the area of material seismic energy. There are 93 diagrams, 31 tables, maps, and a supplement containing 48 graphs. There are 22 Soviet references.

TABLE OF CONTENTS:

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Ch. I. Data Processing Methods	5
1. Determining epicenter coordinates	5
2. Timing the starting moment of the earthquake	23
3. Determining the depth of the focus	25
4. Checking the correctness of the position of the epicenter and phase interpretation	30

Card 2/3

Seismicity of the Kok-Shaal (Cont.)

SOV/1702

Ch. II. Plotting the Time-Distance Curve for the Kok-Shaal Region	31
1. Analysis of instrumental data for certain Kok-Shaal earthquakes	61
2. Time-distance curves for Kok-Shaal region	68
3. Certain problems on the general seismicity of the Kok-Shaal region	92
General conclusions	95
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AVAILABLE: Library of Congress (QE537.G7)	

Card 3/3

MM/lrb

PHASE I BOOK EXPLOITATION

80V/5296

Nersesov, I. L., V. P. Grin, and K. Dzhanuzakov

O seysmicheskoy rayonirovaniy basseyna reki Naryn (On the Seismic Regionalization of the Naryn River Basin) Frunze, Izd-vo AN Kirgizskoy SSR, 1960.
175 p. 500 copies printed.

Sponsoring Agency: Akademiya nauk Kirgizskoy SSR. Otdel seysmologii.
Resp. Ed.: Ye. A. Rozova; Ed. of Publishing House: Ye. A. Revina;
Tech. Ed.: M. G. Anokhina.

PURPOSE: This book is intended for seismologists, geologists, and geophysicists.

COVERAGE: The book presents the results of seismic observations in the Naryn River Basin. The data provided are intended to serve as a basis for a more accurate map of the seismic regions in that area. General geographic information on the area is given. The organization of seismic observations and the results obtained are described, and the problems of seismic regionalization are analyzed. The first, third, fifth, and sixth chapters were written by I. L. Nersesov, the second chapter by V. P. Grin and K. Dzhanuzakov, and the fourth by I. L. Nersesov and V. P. Grin. Participating in the processing of the in-

Card 1/4

On the Seismic (Cont.)

SOV/5296

strumental data, as well as in the computation and graphic work, were: A. A. Zhigal'tsev, staff member of the TKSE (Tadzhik Comprehensive Seismological Expedition of the Institute of Physics of the Earth, imeni O. Yu. Shmidt, AS USSR); A. Atabayev and L. M. Plotnikova, staff member of the Otdel seysmologii Instituta mekhaniki i matematiki imeni V. I. Romanovskogo AN Uzbekskoy SSSR (Seismology Section of the Institute of Mechanics and Mathematics imeni V. I. Romanovskiy, AS Uzbekskaya SSR); and V. F. Trubenko, staff member of the AS Kirgizskaya SSR. The authors thank A. T. Kon'kov, director of the Andizhan seismic station, for supplying the microseismic data on the Fergana Valley and adjacent regions. There are three appendixes containing listings of earthquakes recorded in the area of the Maryn River Basin during the period from 1929 to 1958. There are 107 references: 81 Soviet, 22 English, 3 German, 1 French.

TABLE OF CONTENTS:

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Card-2/4

GRIN', V.S.

Storage battery leads are no longer oxidizing. Avtom.,
telem. i sviaz' 7 no.6:28 Je '63. (MIRA 17:3)

1. Starshiy inzhener Chimkentskoy distantzii signalizatsii
i svyazi Kazakhskey dorogi.

1947, No. 4.

Gris, Ya. A. "The correction of transcription with inter-...ents", *1947*
Tel. Vokan. 19-19, Issue 2, 1947, p. 123-24.

So: L-1947, 17 April '47, (Letonia 'Zhurnal 'nykh State, no. 11, 1947).

AIN, P. A.

Dissertation: "Construction and Investigation of a Planetary Reduction Gear With a Helical Coupling." Cand Tech. Sci, Moscow Order of Labor Red Banner Higher Technical School named Bauman, 17 May 54. Vechernyaya Moskva, Moscow, 7 May 54.

SO: SUM 284, 26 Nov 1954

GRIN, Yu.A.

Determining friction loss in involute gearing allowing for variability of the friction coefficient and loading on teeth. Trudy Sem. po teor. mash. 14 no.56:35-47 '55. (MIRA 8:7)
(Gearing)

GRIN, Yu.A.

Study of an antifriction cross coupling. Nauch.trudy Tul.gor.
inst. no.3:131-154 '61. (MIRA 16:4)
(Couplings)

5(4)

SOV/80-32-4-23/47

AUTHORS: Krasikov, B.S. and Grin, Yu. D.

TITLE: The Preparation of Lustrous Coatings by the Electric Deposition of Copper-Gold Alloys (Polucheniye biestyashchikh pokrytiy pri elektrosazhdenii splavov med'-zoloto)

PERIODICAL: Zhurnal prikladnoy khimii, 1959, Vol 32, Nr 4, pp 837-841 (USSR)

ABSTRACT: The present article describes the results of a continuation of studying the process of electrodeposition of copper-gold alloys, aimed at preparation of lustrous coatings which would not call for a subsequent polishing. The authors investigated electrolytes with additions of thiourea and "trilon B" by means of studying polarization curves and determining the composition and qualities of deposits obtained. Experiments with "trilon B" have shown that deposited layers up to 2 microns thick do not call for polishing, but the electrolyte is not stable and does not possess regeneration ability after aging. The results of experiments with thiourea addition are shown in Figures 1 - 3 and in a table. It is shown that this electrolyte is stable and yields specular lustrous gold-copper coatings for jewel things without necessity of polishing.

Card 1/2