

KERSIC, N.

Ferroresonance. p. 162.

ELEKTORTEHNIŠKI VESTNIK. ELECTROTECHNICAL REVIEW. Ljubljana, Yugoslavia.
Vol. 27, no. 5/6, 1959.

Monthly List of East European Accessions (EEAI) LC Vol. 9, no. 2, Feb. 1960.

Uncl.

SULTANOV, Azal' Dzhafarovich; PUSTOVALOV, L.V., otv. red.; pri uchastii:
ATANESYAN, G.Z., sotrudnik; KORNILOVA, A.S., sotrudnik; ~~KERSKAYA~~, G.V.,
sotrudnik; RAVINA, B.M., sotrudnik; MENZELEYEVA, S.A., sotrudnik;
PAPKOVA, M.K., sotrudnik; RYLINA, Yu.V., tekhn. red.

[Producing formation of the Apsheron Peninsula] Sovet po izucheniiu
proizvoditel'nykh sil. Azerbaidzhanskaia neftianaya ekspeditsiya.
Litologiya produktivnoi tolshchi Apsheronskogo poluostrova. Moskva,
1958. 140 p.
(MIRA 11:12)

1. Akademiya nauk SSSR. Sovet po izucheniyu proizvoditel'nykh sil.
Azerbaidzhanskaya neftyanaya ekspeditsiya. 2. Chlen-korrespondent
AN SSSR (for Pustovalov). 3. Litologicheskaya laboratoriya Insti-
tuta geologii AN Azerbaydzhanskoy SSR (for Atanesyan, Kornilova,
Kerskaya, Ravina, Menzeleyeva, Papkova)
(Apsheron Peninsula--Petrology)

14(3)

SOV/176-58-7-9/17

AUTHORS: Levykin, V., Major ; Kerskiy, A., Colonel

TITLE: Fortifications Made of Paper Bags Filled With Earth
(Fortifikatsionnyye sooruzheniya iz bumazhnykh zemlenosnykh meshkov)

PERIODICAL: Voenno-inzhenernyy zhurnal, 1958, Nr 7, pp 23-27 (USSR)

ABSTRACT: The authors state that fortifications in barren, desert and mountain areas always are a difficult problem, which to a degree was solved by the use of bags filled with earth. Bags of textile material, with all their qualities of strength, nevertheless are expensive and easily rot in the ground. In this respect, paper bags are preferable. They are made of several layers of solid paper, some of which are bituminized. The paper is glued together longitudinally. The bags are of 2 standard sizes: 80 x 32 1/2 cm or 60 x 25 cm when filled and weighing 35 kg. Another size is 220

Card 1/2

KERSKIY, E.

Industrial design at the Poznan Fair of 1965. Tekh. est. 2 no.8:26-27
Ag '65. (MIRA 18:9)

1. Sovet po tekhnicheskoy estetike pri Predsedatele Soveta Ministrov
Pol'skoy Narodnoy Respubliki.

Fuel Abstracts KERSNIC, V.

V.15, Jan. 1954

Natural solid fuels; winding

51. DETERMINATION OF MAXIMUM SPEED FOR WINDING ENGINES.
Kersnic, V. (Rud.-Metal. Zborn. (Min. metall. Rev., Yugoslav.), 1952,
Vol. 1, 8-13). The author suggests a short way of selecting the proper
maximum velocity of a duty cycle on winding engines, if the average speed
is given by the required capacity per hour, hoisting travel and pay load
per trip. The diagrams make possible the determination of the maximum
hoisting speed by directly considering different values of acceleration and
retardation and hoisting trip. S.M.R.

KERSNIC, V.

KERSNIC, V. Examination of wire rope in pits. p. 3.

No. 1, 1955

RUDARSKO-METALURSKI ZBORNIK

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 3
March, 1956

KERSNIC, V.

"Shaft hoisting machinery in Slovenia."

p. 363 (Rudarsko-Metalurski Zbornik) No. 4, 1957
Ljubljana, Yugoslavia

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958

KERSNIC, Viktor, prof. dr inz. (Ljubljana):

Present conditions in the development of underground hauling.
Tehnika Jug 17 no.5:889-894
My '62.

1. Rudarsko-metalurski fakultet, Ljubljana.

KERSNIC, Viktor, prof. dr. inz.

"Yearbook of German mining." Reviewed by V. Kersnic.
Rud met zbor no. 3: 302 '62.

1. Glavni urednik, "Rudarsko-metalurski zbornik."

KERSNIC, Viktor, Dr. ing., redni profesor

USEM (United States Bureau of Mines) from the organizational standpoint, and its activities in the field of mining research. Rud met zbor no.2: 127-140 '62.

1. Oddelek za montanistiko Univerze, Askerceva 20, Ljubljana, i glavni urednik, "Rudarsko-metalurški zbornik".

KERSNIC, V.

"Mining" by Tadeusz Czekanski, Rudolf Kotarba, and Tadeusz Kubiczek.
Vol. 9, no.2. Reviewed by V. Kersnic. Rud met zbor no.2:163 '62.

KERSNIC, V.

"Studies on the processes of the hard-particle charged gas flows"
by Otto Adam. Reviewed by V. Kersnic. Rud met zbor no.2:176 '62.

KERSNIC, Viktor, prof. dr. inz.

"Shaft transportation. Car and skip transportation" by Zygmunt Kawecki.
Reviewed by V. Kersnic. Rud met zbor no.2:178 '62.

1. Glavni urednik in član Uredniškega odbora, "Rudarsko-metalurski zbornik".

KERSNIC, Viktor, prof. dr. inz.

"Reports from the 13th Mining and Metallurgic Conference, held May 24-27, 1961 at Freiberg." Reviewed by V. Kersnic. Rud met zbor no.2: 180-181 '62.

1. Glavni urednik in clan Uredniskega odbora, "Rudarsko-metalurski zbornik".

KERSNIC, Viktor, prof. dr. inz.

"Conveying and hoisting. Special edition of the 1962 Hannover Fair."
Reviewed by V. Kersnic. Rud med zbor no.2:190-191 '62.

1. Glavni urednik in član Uredniškega odbora, "Rudarsko-metalurški zbornik".

KERSNIC, Viktor, prof. dr inž.

"The Kutta engineer's pocketbook." Vol. 5. Reviewed by V.
Kersnic. Rud met zber no.1:84-85 '63.

1. Glavni urednik, "Rudarsko-metalurški zbornik."

K. Cazafura; PAVKO, D.; SIRCA, F.; KERSNIC, Viktor, prof. dr. inz.;
KOSAK, K.; GRAFENAUER, S.; PODGORNIK, A.; KERNC, J.; DOBOVISEK,
Bogomir, docent, dr. inz.; OCEPEK, Drago, docent, dr. inz.;
HOMAN, A.; MARCEC, M.; RANKEL, J.; CRNIVEC, M.; SMAJIC, N.;
CUCEK, I.; KERSNIC, V., ml.; VODOPIVEC, F.

New books. Rud met zbor no. 2:144-187 '63.

1. Glavni urednik, "Rudarsko-metalurski zbornik" (for Viktor Kersnic).
2. Clani Uredniskega odbora, "Rudarsko-metalurski zbornik" (for Dobovisek and Osepek).

PAULIN, A.; OCEPEK, D.; CAZAFURA, K.; KUSCER, D.; VODOPIVEC, F.; SOVIN, I.;
PAVKO, D.; JURCA, S.; KERSNIC, V.; DRNOVSEK, J.; GRAFENAUER, S.;
KERN, J.

New books. Rud met zbor 3:307-334 '64.

SOV/89-5-4-8/15

AUTHORS: Kikoin, I. K., Dmitriyevskiy, V. A., Grigor'yev, I. ...
Kersnovskiy, S. V., Glazkov, Ye. Yu, Babovskiy, B. G.

TITLE: A Test Reactor With Gaseous Fissile Material (UF_6) (Stendovyy
reaktor s gazoobraznym delyashchimaya veshchestvom (UF_6))

PERIODICAL: Atomnaya energiya, 1958, Vol. 5, Nr 1, pp. 294-302 (USSR)

ABSTRACT: The reactor is of the heterogeneous type, the moderator consists of metallic beryllium (1 570 kg), and graphite is used as a reflector. The beryllium was available in form of cubes the edges of which had a length of 40 mm. The active zone is a cylinder of 1160 mm diameter and 1080 mm height. The gaseous (not enriched) uranium hexafluoride filled 144 channels which were arranged in form of a quadratic lattice with a spacing of 80 mm. The channels consisted of quadratic aluminum tubes of 40 . 40 . 1 mm. 4, 8, 10, 12, and 14 channels are arranged in a row, one beside the other. The working volume of a channel within the domain of the active zone is 1440 cm³. The total volume of the active zone is 216 l. The lateral graphite reflector has a thickness of 500 mm, while the thickness of the

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A Test Reactor With Gaseous Fissile Material (UF_6)

SOV. 89-1-15

upper and lower reflectors is 600 mm. 12 channels 12 m diameter pass through the upper reflector; they make it possible to feed the active zone with gas. 2 horizontal and 4 vertical channels are provided for regulation and shut off. The reactor can be heated from the outside by means of an electrical aggregate of 35 kW. Heating the reactor up to a temperature of 80 - 90° C takes 10 - 15 hours. The reactor is located in a steel casing of 2 500 mm diameter, which can be hermetically sealed. Rubber baskets are used for sealing. The system for the blowing-in and -out of gas consists of a bellows for uranium-hexafluoride, emergency cistern, a portioning apparatus, and remote-controlled valves. Reactor control is carried out by hand. The regulating rods are steel tubes with a diameter of 22 and 9 mm, which are filled with boron carbide. In August 1957 the reactor became critical for the first time. the quantity of gas amounting to 5340 ± 40 g UF_6 . The maximum power output hitherto attained (due to the biological shield) is 1.5 kW. With this power output a neutron flux of $2.7 \cdot 10^{11}$ n/cm².sec was measured in the center of the reactor. The radial distribution of the thermal neutron flux was measured and

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A Test Reactor With Gaseous Fissile Material (UF_6)

SOV/89-5-3-8/15

plotted. For the reactivity ρ the value

$$\rho = 1,35 \cdot 10^{-4} \Delta m g$$

was found. The dependence $\rho(\tau)$ is plotted (τ denotes the time within which the neutron flux increases up to e-fold its amount). The temperature coefficient was measured and shown in form of a graph. The dissociation rate of the molecules UF_6 was determined as amounting to 0,32 mol/kWh. The addition of chlorotrifluoride shows that working conditions can be found in which stability of radiation of the uranium-hexafluoride in the reactor can be attained. A. M. Susova assisted in assembling the apparatus in collaboration with A. K. Krasin. There are 12 figures and 3 references, 1 of which is Soviet.

Card 3/3

24.6760
26.2332

²⁷⁶⁹²
S/120/61/000/003/001/041
EO32/E314

AUTHORS: Senchenkov, A.P. and Kersnovskiy, S.V.

TITLE: A 500 keV Electron-beam Source

PERIODICAL: Pribery i tekhnika eksperimenta, 1961, No. 3,
pp. 26 - 32

TEXT: A description is given of an electron-beam source which is capable of producing 250 μ A at 500 keV. The beam source consists of an electron gun and an electrostatic accelerating system of the type described by A.P. Grinberg (Ref.1-Method of charged-particle acceleration, p.57, 1950, Gostekhzdat) and in Ref. 2 ("Engineering", 1959, Vol. 187, No. 4857, p.466). A schematic drawing of the apparatus is shown in Fig. 3. All the dimensions indicated in this figure are in mm. The high-voltage part is mounted on the base plate 2, which is fixed to the end of the outer jacket 1. The high-voltage electrode 4 is supported by the posts 3. The rotor 5 is located between the base plate and the high-voltage electrode. The axis of the rotor is kept in position by the massive supports 6.

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A 500 keV Electron-beam Source ²⁷⁶⁹²
S/120/61/000/003/001/041
E032/E314

The supports, rotor and pillars of the high-voltage electrode are made of perspex. The rotor is rotated by the motor 7 (2 850 r.p.m.) through the perspex drive 8 and a pair of conical gears 9 and 10 (brass and textolite, respectively). All the high-voltage details of the machine are in an SF₆

atmosphere. The outer diameter of the rotor is 36 cm and the charged surfaces move at a rate of 35 m/s. The design of the charge and discharge device is shown in Fig. 4. The charging voltage is applied between the plates located in the grooves of the rotor and the brushes (a set of sewing needles). The distance between the needles is 2 mm and the distance between the ends of the needles and the plates is 3 mm. The width of the "brush" is 22 mm. The brushes and the plates are insulated from the base plate. The perspex drive of the motor 7 also drives the generator 11. The latter generator is used to supply the electron gun. The accelerating tube 12 is shown in greater detail in Fig. 6, and is also made of perspex. It contains the intermediate chromium-plated brass electrodes 13.

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A 500 keV Electron-beam Source

²⁷⁶⁹²
S/120/61/000/003/001/041
E032/E314

These intermediate electrodes are connected to the contact electrodes 14 and the outside of the tube. The second version of the tube is shown in Fig. 6. The first tube was found to withstand voltages up to 420 kV for short periods of time and up to 320 kV continuously. The second version withstands up to 600 kV over short periods of time and up to 500 kV otherwise. The electron gun 16 is of the three-electrode type (Electron Microscopes (edited by A.A. Lebedev) p. 81, 1954. Gostekhizdat; Ref. 3); the cathode 17 is made of tungsten wire, 0.01 mm in diameter, and the focusing (18) and accelerating (19) electrodes have inserts such that the diameter of the apertures in them can easily be altered. The position of the cathode is regulated by the bellows 20 and three adjusting screws 21. The cathode lies within the glass cylinder 22 so that it can be viewed from outside. The accelerating electrode is maintained at +3 kV relative to the cathode. The beam current is regulated by controlling the cathode supply and the potential difference between the cathode and the focusing electrode. The diameter of the electron beam

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A 500 keV Electron-beam Source

S/120/61/000/003/001/041
EO32/E314

at the output of the apparatus is 5 mm. The diameter can be increased with the aid of the coil 23. The electron beam is extracted through the aluminium foil 24 (5-12 mg/cm²), which is supported by the grid 26. The system is evacuated by a backing pump, an oil-diffusion pump 27, having a speed of 100 litres/sec, and a liquid-nitrogen trap 28. The electron-beam source is mounted on the heavy support 29 and is covered by an aluminium jacket (6 mm thick). The pressure of the SF₆ is 3 atm. (measured by the manometer 30).

Fig. 5 shows the short-circuit current (μA) as a function of the charging voltage (kV). Acknowledgments are expressed to V.A. Dmitriyevskiy, A.M. Susov and V.I. Gordinets for their assistance. There are 8 figures and 3 references: 2 Soviet and 1 non-Soviet.

SUBMITTED: June 15, 1960

Card 4/6

ACCESSION NR: AT4029933

S/3087/62/001/000/0213/0217

AUTHOR: Kersonov, V. I.

TITLE: Activity of platinum-ytterbium catalyst on sugar charcoal in the catalysis of hydrogen peroxide

SOURCE: Yaroslavl'. Tekhnologicheskii institut. Khimiya i khimicheskaya tekhnologiya, vol. 1, (8), 1962, 213-217

TOPIC TAGS: hydrogen peroxide, catalysis, platinum, ytterbium, sugar charcoal, electron configuration, oxidation reduction reaction

ABSTRACT: In spite of the recently increased interest in the lanthanides, catalytic chemistry of ytterbium in the hydrogen peroxide dissociation processes can only be judged in general outlines based on analogy with the other lanthanides. By considering specifics of the electron structure of ytterbium, the author investigated the catalytic activity of diluted layers (0.05% Pt + n% Yb⁺³) (abstractor's note: throughout article the symbol Yb is written erroneously, sometimes Vb, sometimes the Russian letters Uv or a combination of the two) of catalysts on sugar charcoal in the hydrogen peroxide dissociation process. The catalytic activity of irons (n wt-% Yb⁺³) and composite ion-metal (0.05 wt-% Pt+n wt-% Yb⁺³) of the adsorption

Card 1/2

ACCESSION NR: AT4029933

catalysts in hydrogen peroxide dissociation process were studied. It was found that ion catalysts in the concentrations studied were practically inactive. The activity curve had an extrema character for ion-metal catalyst with an activity maximum in the atomic ratio of $Pt/Yb^{+3} = 50:1$. Orig. art. has: 2 figures and 1 table.

ASSOCIATION: none

SUBMITTED: 00

DATE ACQ: 29Apr64

ENCL: 00

SUB CODE: CH, EL

NO REF SOV: 006

OTHER: 000

Card 2/2

KERSTAN, Johannes (Jena, G.D.R.); MATTHES, Klaus (Jena, G.D.R.)

Generalization of a theorem of Salwnjak. Rev math Roum 9 no.9:
811-829 '64.

KERSTEN, D.K.

Morphological and cultural characteristics of indicator organisms
of oil-gas prospecting. Mikrobiologiya 32 no.6:1024-1030 N-D '63
(MIRA 18:1)

1. Biologo pochvennyy fakul'tet Moskovskogo gosudarstvennogo uni-
versiteta imeni M.V. Lomonosova.

KERSTEN, D.K.

Relation of hydrocarbon-oxidizing mycobacteria to various
hydrocarbon sources. Mikrobiologiya 10 no.1:31-37 Ja-F '64.
(MIRA 17:9)

1. Biologo-pochvennyy fakul'tet Moskovskogo gosudarstvennogo
universiteta imeni Lomonosova.

KERSTEN, Eduard

The severity of work of offshore fishermen. Bull. inst.mar.med.
Gdansk 14 no.1:117-130 '63

1. Aus dem Institut für Hygiene der Universität Rostock, Lehr-
stuhl für Arbeitshygiene.

*

STRUVE, E.E.; DIK, I.P.; STARTSEV, G.S.; KERSTEN, I.O., inzhener,
retsenzent; BUTAKOV, S.Ye., doktor tekhnicheskikh nauk, redaktor;
DUGINA, N.A., tekhnicheskii redaktor.

[Ventilators and pumps; methods of selecting and designing] Ven-
tilatory i nasosy; metod podbora i proektirovaniia. Moskva, Gos.
nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1955. 138 p. (MLBA 8:9)
(Fans, Mechanical) (Pumping machinery)

KYRSTEN, I.O. [translator]; USHAKOV, K.A., prof., doktor tekhn.nauk,
otvetstvennyy red.; NURMUKHAMEDOVA, V.F., red.izd-va; CHANTSEVA,
G.M., tekhn.red.

[New high efficiency ventilators; a collection of articles.
Translated from the German] Novye ventilatory s vysokim k.p.d.;
sbornik statei. Pod red. K.A.Ushakova. Moskva, Ugletekhizdat,
1957. 35 p. (MIRA 11:5)
(Fans, Electric)

KERSTEN, I. O. Cand Tech Sci -- (diss) "Study of ^{applied} ~~the~~ measuring methods in
aerodynamical tests of mine fans of ~~the~~ main ventilation." Mos, 1959. 14 pp
(Min of Higher Education USSR. Mos Mining Inst im I. V. Stalin), 150 copies
(KL, 43-59, 124)

KERSTEN, I.O., inzh.

Methods of aerodynamic testing of mine fans. Izv.vys.uchob.
zav.; gor.shur. no.10:135-140 '59. (MIRA 13:5)

1. Moskovskiy gornyy institut.
(Mine ventilation) (Fans, Mechanical--Testing)

KERSTEN, I.O.

Averaging nozzles for measuring pressure. From aerodin.
no. 15:72-84 '59. (MIRA 13:8)
(Aerodynamic loads--Measurement)

USHAKOV, Konstantin Andreyevich, prof.; BRUSILOVSKIY, Iosif Veniamenovich;
BUSHEL', Aleksandr Romanovich. Prinimali uchastiye: GINEVSKIY, A.S.;
DZIDZIGURI, A.A.; KERSTEN, I.O.; KOLESNIKOV, A.V.. D'YAKOVA, G.B.,
red.izd-va; SHKLYAR, S.Ya., tekhn.red.; KOROVENKOVA, Z.A., tekhn.red.

[Aerodynamics of axial fans and elements of their design] Aerodi-
namika osevykh ventilatorov i elementy ikh konstruktsii. Pod red.
K.A.Ushakova. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu
delu, 1960. 421 p. (MIRA 13:3)

(Fans, Mechanical--Aerodynamics)

S/124/61/000/010/015/056
D251/D301

AUTHOR: Kersten, I.O.
TITLE: Averaging nozzles for variations of pressure
PERIODICAL: Referativnyy zhurnal. Mekhanika, no. 10, 1961, 37,
abstract 10 B228 (V sb. Prom. aerodinamika, no. 15,
M., Oborongiz, 1959, 72-84)

TEXT: Experimental investigations were carried out on the effect which the form and dimensions of the receiver aperture and the distribution of pressure with respect to the surface of the nozzle produce on the magnitude of the pressure in the connecting pipe of the averaging nozzle. In a consideration of the pressure in different receivers greater than a value of 0.7 the pressure in the connecting pipe is in practice equal to the arithmetic mean. [Abstracter's note: Complete translation]

Card 1/1

DZIDZIGURI, Archil Amvrosiyevich; MUSKHELISHVILI, Vakhtang Levanovich;
KUTATELADZE, Aslan Aleksandrovich; ONIANI, Shurman Il'ich;
Prinimali uchastiye: MATIKASHVILI, T.I.; DURMISHIDZE, N.Sh.;
KERSIEN, I.O., otv. red.; D'YAKOVA, G.B., red.izd-va;
LOMILINA, L.N., tekhn. red.

[Simultaneous operation of mine ventilators] Sovmestnaia
rabota shakhtnykh ventilatorov. Moskva, Gos. nauchno-
tekhn. izd-vo lit-ry po gornomu delu, 1961. 182 p.

(MIRA 15:2)

(Fans, Mechanical)

(Mine ventilation)

KERSTEN, I.O.; KHANZHONKOV, V.I.

Simple methods for aerodynamic testing of fans. Prom.aerodin.
no.24:126-133 '62. (MIRA 16:7)
(Fans, Mechanical--Testing)

KERSTEN, Igor' Oskarovich; KALINUSHKIN, M.P., prof., doktor tekhn.
nauk, retsenzent;

[Aerodynamic testing of mine fans] Aerodinamicheskie ispy-
taniia shakhtnykh ventilatorov. Moskva, Izd-vo "Nedra,"
1964. 162 p. (MIRA 17:6)

ABRAMOV, Fedor Alekseyevich; DOLINSKIY, Vitaliy Andreyevich;
IDEL'CHIK, Isaak Yevseyevich; KERSTEN, Igor' Oskarovich;
TSODIKOV, Veniamin Yakovlevich; KOMAROV, V.B., prof.,
doktor tekhn. nauk, retsenzor; GRISHAYENKO, M.I., ved.red.

[Aerodynamic resistance in mine workings and subway tunnels]
Aerodinamicheskoe soprotivleniye gornykh vyrabotok i tunnelei
metropolitena. [by] F.A. Abramov i dr. Moskva, Nedra, 1964.
185 p. (NIA 18:1)

1. N. N. K. 1. N. N. K.

2/10/65/0087

Bernov, N. N.; Kersten, I. O.

Gas partial flow meter with shunted nonreturn valve. N. N. K. 1. N. N. K.

Abstract: Abstractly 1. Abstractly 1.

Abstract: flow meter

ABSTRACT: This Author Certificate presents a gas partial flow meter with shunted nonreturn valve. The meter is designed for use in gas flow measurement systems. The meter is constructed from stainless steel and is capable of measuring gas flow rates up to 100 l/min. The meter is easy to use and requires no special maintenance.

THE FOLLOWING ARE REFERENCES TO THE LITERATURE

SUBMITTED: 26Apr62

ENCL: 0

REF: 12, 13

OTHER: 10

ROZANOV, Nikolay Petrovich; POPOV, V.F., doktor tekhn. nauk, prof.,
retsensent; KERSTEN, M.N., nauchnyy red.; SMIRNOV, Yu.I., red.;
TSAL, R.K., tekhn. red.

[Technology of manufacturing small propellers] Tekhnologiya izgo-
tovleniia grebnykh vintov malykh razmerov. Leningrad, Sudpromgiz,
1962. 167 p. (MIRA 15:6)
(Propellers) (Marine engineering)

KERSTEN', V.; NAD', L.I.

Effect of oxidation-reduction processes on the solubility of
molybdenum in soils. Pochvovedenie no.12:79-81 D '63.
(MIRA 17-11)

1. Sel'skokhozyaystvennyy institut Moshonmad'yarovar, Vengriya.

KARKLIN'SH, R. Ya. [Karklins, R.]; KERSTERE, B. Ya.

Harmful microorganisms encountered in the process of production
of citric acid from molasses. Trudy VKNII no.14:151-155 '59.

(MIRA 14:5)

(Citric acid) (Fermentation--Bacteriology)

KERSTING **P**

PROCESSES AND PROPERTIES INDEX

The effect of cations on the living plant cell. P. Kersting. *Jahrb. wiss. Botan.* 87, 708-40 (1939); *Herbage Abstracts* 9, No. 3, Abstract No. 1126 (1939).—A study is reported on the reaction of aerial roots of *Lupinus luteus*, *Oenothera lutea*, *Zea mays* and other species to the action of poisonous solns. (MgSO₄ solns., K₂SO₄ solns. and distd. water). The severity of the effect is intensified by increase of temp. The amt. of Ca and other salts available for the roots from within the plant had no influence on the severity of the disease symptoms occasioned by the different poison solns. S. Bolovachik

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ASM-51A METALLURGICAL LITERATURE CLASSIFICATION

SECTION	SUBSECTION	SECTION	SUBSECTION
1	1	1	1
2	2	2	2
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Abs Jour : Ref Zhur - Biol., No 15, 1958, 66722

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An essential part of the National Program for Hydraulic Engineering is the national water distribution plan in which the surface and subsurface water supplies are surveyed and the developments for the adequate distribution of water are determined on the basis of known water requirements. Questions of water distribution in the Danube and Tisza catchment areas are dealt with separately. No difficulties are encountered in the Danube area since a sufficient volume of water is available for the planned irrigation of 230,000 hectares. In this area the problem awaiting solution of water distribution is the water level regulation of Lake Balaton. However the water volume required by the planned irrigation of about 600,000 hectares in the Tisza valley is about three times as much as is available in July. The shortage may be made up by storage in hilly and flat lands and by drawing off water from the Danube. Besides navigation and the production of power the Danube-Tisza canal project will also satisfy irrigation requirements.

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Vol. 15, no. 9, Sept. 1 55

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SOV/25-59-5-27/56

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AUTHOR: Ede Kertai (Budapest)

TITLE: The Lights of the Danube

PERIODICAL: Nauka i zhizn', 1959, ¹No. 5, pp 41-43 (USSR)

ABSTRACT: The author describes the Nagymaros Power Station to be constructed near Visegrad (the old Capital of Hungary) under an agreement signed between Hungary and Czechoslovakia in October 1958. The importance of this power station is stressed, because Hungary has but small deposits of very poor quality brown coal while, on the other hand, she has rich deposits of bauxite, requiring much electricity for processing. During the preparatory stage, the flow of the Danube was surveyed by photographing illuminated floats, coming down the river at night. The first dam will be 760 m long, raising the water 7.5 m (1.5 m above the highest level in the spring). The reservoir will be 110 sq/km in area. There will be 10 hydroturbines of a combined 120,000 kw. There are 4 photographs and 3 drawings.

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Dr. Woldemar Laszloffy, Corresponding member of the Toulouse Academy. Hidrologiai kozlony 41 no.1:16 F '61.

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1. Országos Vízgazdálkodási Igazgatóság, Budapest; "Hidrológiai Közöny"
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The Austrian Society for Water Economy is fifty years old.
Hidrologiai Kozlony 39 no.4:261 Ag'59.

1. "Hidrologiai Kozlony" szerkeszto bizottsagi tagja.

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SCHULHOF, Odon, dr.; SZIGYARTO, Zoltan; HETENYI, Endre; HO LENYI,
Laszlo; GABRI, Mihaly; HOLLO, Istvan; KESSLER, Hubert, dr.;
WISNOVSZKY, Ivan; FINALY, Lajos; RATKY, Istvan; SZALAY, Miklos;
IHRIG, Denes; KIRALY, Lajos; KERTAI, Ede

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KERTAI, Ede, dr., a muszaki tudományok kandidátusa

Evaluation of the economy of multi-purpose water resources management establishments. Vizügyi kozl no.4:523-548 '64.

1. Head, Department of Water Resources Development of the National Water Board, Budapest.

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the chief ores is hematite (passing into magnetite),
pyrite, magnetite (passing into hematite), sulfides (with
lig. ores), all accompanied by more or less siderite, re-
sulting from the action of carbonate-sulfate waters.
Other minerals examd. in the area are ankerite, pyrrhotite,
chalcopryrite, tetrahedrite and graphite, accompanied by
quartz, tourmaline, sphalerite, stibnite, bornonite,
heteromorphite, calcite and rutile. C. A. Silbrand

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P. 118, (Foldtani Kozlony) Vol. 87, no. 1, Jan./Mar. 1957, Budapest, Hungary

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VOGL, Maria, a föld és asványtani tudományok doktora; EGYED, László,
lev.tag.; MILLNER, Tivadar, lev.tag; KERTAI, György

From merogeology to hologeology; also, remarks by E.Vadasz and others.
Muszaki közl MTA 27 no.1/2:35-68 '60. (EEAI 10:4)

1. Magyar Tudományos Akadémia, Muszaki Tudományok Osztálya (for
Szadeczky-Kardoss, Vadasz, Foldvarine Vogl, Egyed, Millner)
(Geology)

CZOTTNER, Sandor; KERTAI, György, dr.; DANK, Viktor, dr.; BENCZE, László;
KASSAI, Lajos; BUCSKO, Eva; GALAMBOS, István; NAGY BIRO, Sandor;
TOTH, János; NEDEA, Ede; TAKACS, Pál, dr.; SIPOS, János; BERECZKY,
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On the genesis of petroleum. Foldt kozl 92 no.1:8-14 Ja-Mr '62.

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KERTAI, Gyorgy, dr.

Presidential opening address delivered at the May 9, 1962, general meeting of the Hungarian Geological Society. Foldt kozl 92 no.3:255-257 J1-0 '62.

1. Magyarhoni Foldtani Tarsulat olnoke, es "Foldtani Korlony" szerkeszto bizottsagi tagja.

KERTAI, Gyorgy, dr.

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Jl-O '62.

1. Magyarhoni Foldtani Tarsulat elnoke, es "Foldtani Kozlony"
szerkeszto bizottsagi tagja.

BARTA, Istvan, prof.; CSANADI, Gyorgy; FEHER, Istvan; KERTAI, Gyorgy
Kossuth-dijas, cimzetes egyetemi tanar; RADOS, Kornel, prof.;
VARGA, Jozsef, prof.

What technical and scientific achievements have impressed t
you to the greatest extent? Musz élet 18 no.26:5 19 D '63.

1. Híradastechnikai Tudományos Egyesület elnöke (for Barta).
2. Közlekedés- és postaügyi miniszter; Közlekedéstudományi
Egyesület elnöke (for Csanadi).
3. Boripari Kutatóintézet
igazgatója; Boripari Tudományos Egyesület elnöke (for Fehér).
4. Magyarhoni Földtani Társulat elnöke (for Kertai).
5. Építőipari Tudományos Egyesület elnöke; Muszaki és Természet-
tudományi Egyesületek Szövetsége Központi Oktatási Bizottsága-
nak elnöke (for Rados).
6. Gépipari Tudományos Egyesület elnöke
(for Varga).

KERTAI, Gyorgy, dr., a föld- és asvanytani tudományok kandidátusa

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no.1:117 Ja-Mr '63.

1. "Foldtani Kozlony" szerkeszto bizottsagi tagja; Magyarhoni
Foldtani Tarsulat elnoke.

KERTAI, Gyordy, dr., okleveles geologus, a föld- és asvanytani tudományok
kandidátusa, Kossuth-díjas fögeologus; KASSAI, Lajos, okleveles
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Correlation between the geologic structure and production system
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733-737 0'63.

1. Orszagos Koolaj - es Gazipari Troszt osztalyvezetoje, Buda-
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