

Excess Potential and Kinetics of Tl^3/Tl
Oxidation-Reduction Electrode, by K. J.
Vetter, G. Thiemeke, 17pp.
GERMAN, per, Zeitschrift fur Elektrochemie,
Vol 64, No 6, 1960, pp 805-812.
CPSII TT-64-18554.

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Sci - Chemistry
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62-12219

Vetter, K. J.
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Order from ATS \$13.50 ATS-45N56G

I. Vetter, K. J.
II. ATS-45N56G
III. Associated Technical
Services, Inc., East
Orange, N. J.

Trans. of Z[schrift für] Physik[ische] Chem[ie,
Leipzig] (East Germany) 1952, v. 199, no. 5/6,
p. 285-299.

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DESCRIPTORS: *Iodine, *Iodides, Oxidation-reduction
reactions, *Platinum, Alternating current,
Polarization.

(Chemistry--Physical, TT, v. 7, no. 6)

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Electrochemical Kinetics, by Klaus J. Vetter.
Approx. 950 pp.

GERMAN, bk.

*Academic Press, Inc.

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THEORETICAL EXPERIMENTAL MEANS FOR THE
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REACTIONS. [1963] [59p] 47 refs
Order from SLA \$5.60 TT-63-20602

I. Vetter, K. J.

Trans. of Chemie-Ingenieur-Technik (West Germany)
1963, v. 35, p. 343-352. (Abstract available)

DESCRIPTORS: *Electrochemistry, Synthesis (Chem-
istry), Chemical reactions, Electrodes, Electric poten-
tial, Electric currents, Anodes, Cathodes, Oxidation-
reduction reactions, Reaction kinetics

715 2882

Anodic and cathodic electrochemical reaction series
were determined from the concentration dependence of
the transfer over-voltage or the exchange current den-
sity. By means of these quantitative factors, the trans-
fer reaction, and, therefore, the excess charge at the
phase-boundary, were determined. The chemical reac-
(Chemistry--Physical, TT, v. 11, no. 3) (over)

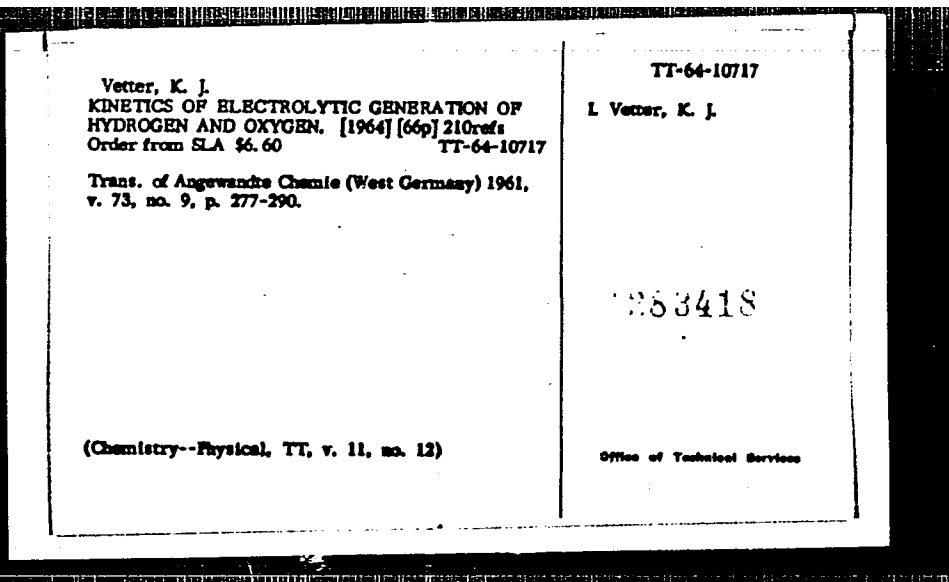
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Current, by Klaus F. Vetter, 27 pp.
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Oxidation-Reduction Electrode, by K. J.
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Thickness and Structure of Passivating Oxide
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CTS 75/Dec 55

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pp 127-59.

AEC Tr 1190

Scientific - Chemistry

S.L.A. 57-335/157

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Potential Difference Within the Passive Layer
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2. L. H. 57-241
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KINETICS OF ELECTROLYTIC GENERATION OF
HYDROGEN AND OXYGEN. [1964] [66p] 210refs
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L. Vetter, K. J.

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v. 73, no. 9, p. 277-290.

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(Chemistry--Physical, TT, v. 11, no. 12)

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The Corrosion of Passive Iron in Acid Solution,
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An introductory lecture given on the occasion of the 54th general assembly of the German Bunsen Society for Physical Chemistry (registered association) in Goxlar on May 20, 1955.

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 2. Electrochemistry
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A Contribution to the Testing of the Wear
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NTC 71-14292-11E

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NY-7727

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<p>Vettiger, A. CAST STONE FACINGS. [1961] 16p. Order from SLA \$1.60</p> <p>61-20234</p> <p>Trans. of Betonstein-Zeitung (West Germany) 1952, v. 18, no. 8, p. 289-294.</p> <p>DESCRIPTORS: Buildings, Construction, Materials, Rock, *Civil engineering, Germany</p> <p>(Engineering--Civil, TT, v. 7, no. 3)</p>	<p>61-20234</p> <p>I. Vettiger, A.</p> <p>87411</p> <p>Office of Technical Services</p>
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Verukhov, E. A. and Kostenko, I. G.
VARIOUS METHODS OF DIRECT RELOADING IN
FREIGHT YARDS. [1962] 5p.
Order from OTS or SLA \$1.10 63-10635

Trans. of Zheleznodorozhnyi Transport (USSR) 1962
[v. 44, no. 8] p. 60-62.

DESCRIPTORS: Handling, *Cargo, *Railroad cars,
Tractors, Trailers, Cargo vehicles, Warehouses,
Storage, Railroads, Operation, Economics.

(Machinery--Transport, TT, v. 9, no. 11)

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Measurements of the Spectrum of Radio Emission of
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R-9395-D
26 April 68

On the thermo-radiation of mercury

By: VETUKHOVSKAYA, Yu. N., et al

From: Order of Lenin, P. N. Lebedev Physics Institute,
Academy of Sciences, USSR, Radio-astronomy Laboratory
Moscow, 1967: 1-8 (8 pp)

Russian - est for wds:

Please translate and type 1 draft copy, double spaced.
Do not paste-up.

The Behavior of Carbon Scum in the Electrolysis of
Cryolite-Alumina melts, by M. M. Vetyukov. ⁷⁵
RUSSIAN, per, Iz VUZ Tsvetn Met, Vol 7, No 6,
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ATS RJ-5098

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Sci-Mat
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Vapor Tension and Fusion Dissociation in the
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Blyushtsin, V. P. Poddymov.

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and $\text{Na}_2\text{AlF}_6\text{-NaMgF}_3$, M. M. Vetyukov, V. Ya. Nikitin,
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RUSSIAN, per, Zhur Prikl Khim, Vol XXXII, No 12,
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The Effect of Carbon on the Electrical Conductivity of Cryolite-alumina Melts, by

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No 1, 1958, pp 247-251.

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A Study of Monoguanylhydrazones and Some Mixed β -
Guanylhydrazone-Thiosemicarbazones of α -Diketones
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Grinshtein, A. P. Veveris, 7 pp.

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A New Setup for the Measurement of the Power During
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Vol XLIX, No 2, 1958, pp 45-50. 9228614
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<p>Trans. of Elektrotechnicky Obzor (Czechoslovakia) 1961, v. 50, no. 1, p. 85-90.</p>	<p>1247848</p>
<p>DESCRIPTORS: *Electric insulation, *Dielectrics, *Electrical corona, Transformers, Electric potential, Coils.</p>	<p>Office of Technical Services</p>
<p>In the first part of his paper the author analyzes the conditions at a single discharge in the cavity of the dielectric of an object which we may consider a concentrated capacitance. For this purpose, an ideal model is employed. On an example it is shown how the results may be applied to power considerations at an alternating voltage. From the power balance on the model, for which holds $C_1 < C_2 \ll C_3$, follows that at (Physics--Electricity, TT, v. 10, no. 8) (over)</p>	

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Veverka, A.
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Order from SLA: \$1.60 as TT-65-11760

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Metodice Mereni Ionizace v Transformatorech). [1963]
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1961, v. 50, no. 4, p. 192-196.

DESCRIPTORS: Transformers, *Electric insulation,
*Ionization, Electric bridges, Electric discharges,
Power, Measurement.

It is shown how an appropriate adaptation of a high-
voltage bridge permits separating in the diagonal of
the balanced bridge the current pulses and the sub-
sequent oscillations from the total current flowing into
the object, even if the voltage of the source is not
(Engineering--Electrical, TF, v. 10, no. 4) (over)

63-14928

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Office of Technical Services

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JPRS 15568

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SUCCESSSES OF PLANT INTER-SPECIES CROSSING
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Order from LC or SLA ml\$1.80, ph\$1.80 61-13721

Trans. of unidentified Russian mono.

Wild fros. and drought resistant plants have been successfully crossed with various cultivated fruit-bearing plants. Cultivated wheat has been crossed with wild couch-grass. A perennial wheat which yields 3 crops without resewing has been developed. Wild rye and hard wheat have been crossed, as well as Egyptian and Indian cotton, and Jerusalem artichoke and sunflower. New varieties of sugar beet, grape, citrus plants and potatoes have been produced.

(Agriculture--Plant Cultivation, TT, v. 5, no. 7)

61-13721

1. Plants--Mutations
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II. Trans-TL-1283
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Unloading the Congealed Bulk Freight Without
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Sharenovich, Gpp
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Vol 46, 1964, No 2, pp 75-78
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Sci - Mech, Fabri and
Accessory Equipg
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Method of Treatment of Parts of Electro-¹⁴⁰
vacuum Apparatus, by D. O. Veiber,
Ye. H. Kobykin.
RUSSIAN, Patent 190,497.
NTC 69-12517-13H

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11 pp.

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Sci - Elec/Phys

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Sci - Phys

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Polar Spectrohydro-naphthalenester, by V. B. Veynberg,
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Sci - Min/Metal

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THE ESTONIAN SOVNARKHOZ: HOW WE ARE IMPROVING
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JPRS 15217

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FTD MOL-177/1

Sci - Engr *Amer Soc of Mechanical Engg*
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 ML-177-1

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DESCRIPTORS: *Diuretics, Edema, Therapy, Urine,
*Sulfonamides, Pharmacology.

The choice of a diuretic therapy is discussed in view
of the renal mechanisms responsible for sodium re-
tention. In patients in whom several factors contrib-
ute to sodium retention, it is necessary to resort to
combinations of drugs (saluretics, spiro lactones or
adrenostatics, perfusions of hypertonic mannitol).
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(Biological Sciences--Pharmacology, TT, v. 7, no. 9)

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DESCRIPTORS: Inhibition, *Aldosterone, Secretion, *Diuretics, Urine, Corticosteroid agents, *Heparin, Drugs.

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22, 23, 26 Dec 1961, page 3 of each issue.

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