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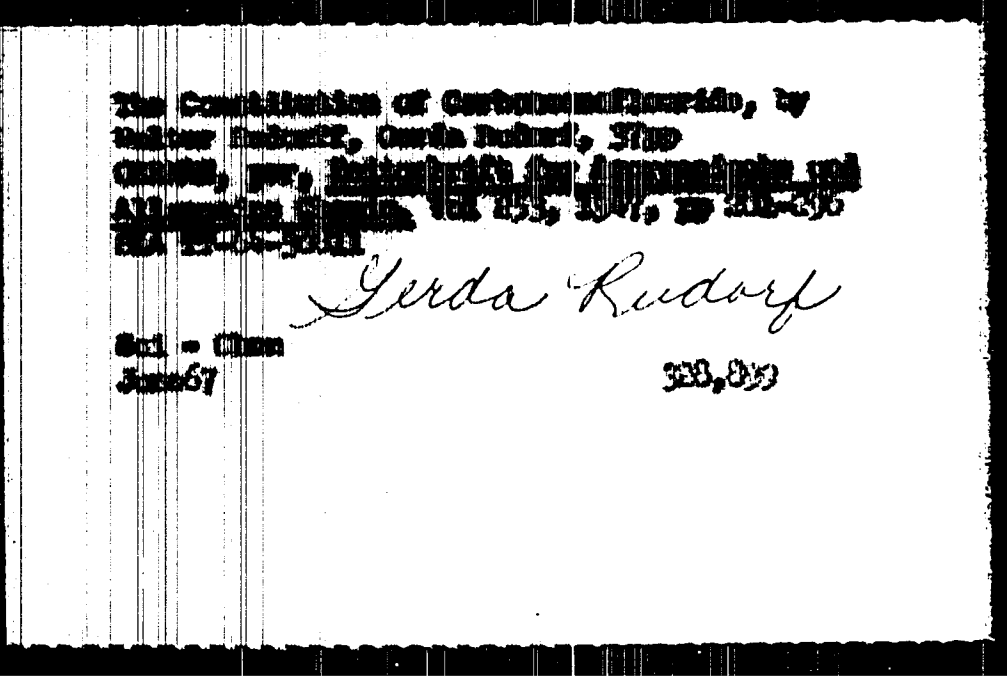
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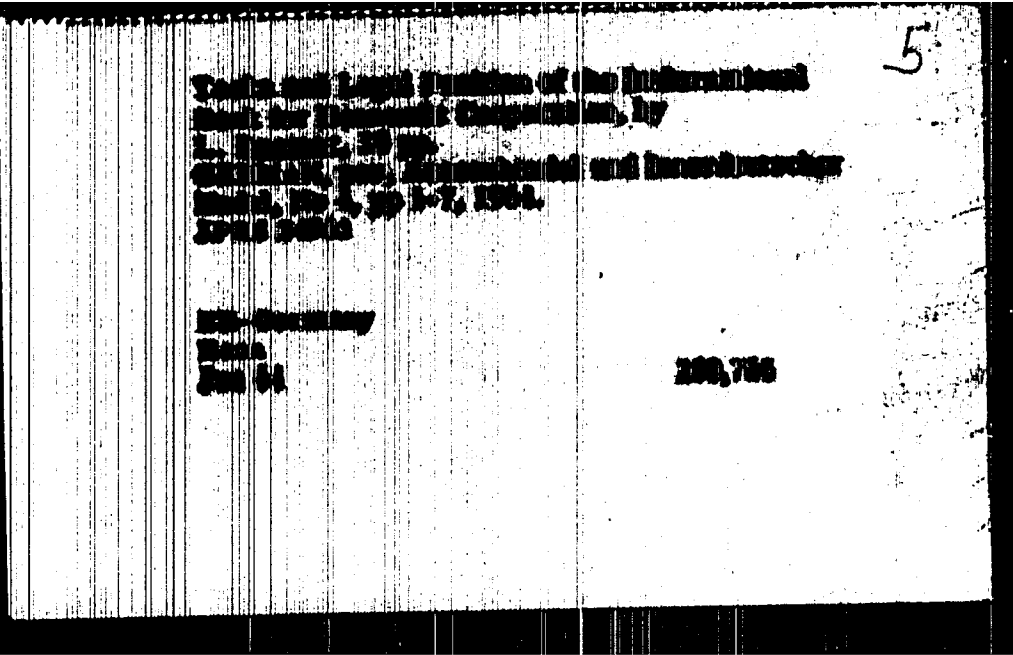
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62-14801

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MULTI-WAVE POLAROGRAMS, II (Mehrstufige
Polarogramme, II). (1962) 12p. 4 refs.
Order from S.L.A. \$1.60 62-14801

I. Rüetschi, P.
II. Trümpler, G.

Trans. of Helvetica Chimica Acta (Switzerland) 1952,
v. 35 [no. 5] p. 1486-1494.

DESCRIPTORS: *Azo radicals, *Phenyl radicals,
*Acetic acids, *Hydrochloric acid, Acids, *Polaro-
graphic analysis, Hydrogen ion concentration, Elec-
trodes, Surfaces, Dissociation, Wave analysis.

The theory of hydrogen ion impoverishment in the case
of polarography of organic substances in insufficiently
buffered solution is established in greater detail and is
verified by additional experiments. The theory permits
the calculation of multi-wave polarograms that agree
with those found experimentally. It reproduces cor-
(Chemistry--Physical, JT, v. 8, no. 5) (over)

CAS 54117

Office of Technical Services

62-14799

I. Rüttschi, P.
II. Trümpler, G.

022262

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Order from SLA \$1.60

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Trans. of Helvetica Chimica Acta (Switzerland) 1952, v. 35 [no. 3] p. 1021-1030.

DESCRIPTORS: *Azo radicals, *Phenyl radicals, *Polarographic analysis, Hydrogen ion concentration, Electrodes, Surfaces, Glass electrodes, Adsorption, Reduction, Organic compounds, Isomers, Wave analysis, Mercury electrodes.

A theory of multi-wave polarograms is developed on the basis of hydrogen ion impoverishment at the electrode surface. Qualitative relationships for shape and height of waves are derived and are experimentally tested for the case of azobenzene. (Author)
(Chemistry--Physical, JT, v. 8, no. 5)

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TION AND CONCLUSION). [1960] [9]p. 11 refs.
Order from SLA m\$1.80, ph\$1.80 61-10388

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2. Cellulose--Processing
3. Title: Kraft cooking
1. Ruf, H.

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Germany) 1959 [v. 87] no. 19, p. 819-823.

Data from the literature are surveyed concerning (1)
the effect of increased surface area of chips, (2) the
effect of chip size on cooking time, (3) the composi-
tion of white liquor, (4) the alkali ratio, (5) black
liquor, (6) danger levels, (7) sulphidity, (8) maximum
temperature, (9) cooking time, and (10) mechanical
action under alkaline conditions.

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(Materials Paper, TT, v. 5, no. 6)

(DC-4861)

Development of Shipbuilding in the Chinese
Peoples Republic, by Ye. L. Ruf, 5 pp.

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Jan 61

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ARABIC, bk, Cairo, No 104, 19 Apr 1959, 60 pp.

JFRB-970-D

HR/A - RAYD (UAR)
Fcl
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**RESISTICIN, A NEW ANTIBIOTIC FOR INTRAVENOUS
INJECTION (STUDY OF ITS CLINICAL AND PHYSIOLOGICAL
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PP 836-839.**

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**B SCI - BIOL & MED SCI
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Experience in the Use of Certain Antibiotics in
Surgical Practice, by I. G. Ruffanov, 23 pp.

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ID 1106735

WBU - Switzerland
Military - Quaternaster, clothing, footwear.

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Electrophoretic Studies on Blood-Cells,
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G. F. Fahrman, G. Ruhnstroth-Juner, 26p.
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SLA 71-64-10652

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Scientific - Chemistry

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O. Goebel, ~~IXIX~~ 20 pp.

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Sci - Minerals/Metals
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Sci - Chemistry

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NOF AND NO₂F. [1962] 11p. (fig. omitted) 8 refs.
Order from SLA \$1.60 62-16481

Trans. of Zeitschrift für Anorg[anische] Chem[ie]
(Germany) 1933, v. 208, p. 293-303.

DESCRIPTORS: *Nitrogen compounds, *Oxyfluorides,
Production, Purification, Chemical properties,
Physical properties, Stereochemistry.

(Chemistry--inorganic, TT, v. 9, no. 1)

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UNCLASSIFIED

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NITROGEN FLUORIDE AND THE CONDITIONS OF
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Order from SLA SL 10 63-10593

I. Ruff, O.
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(Germany) 1931, v. 198, p. 32-38.
Another trans. is available from SLA as #921, 11p.

DESCRIPTORS: *Nitrogen compounds, Fluorides,
Synthesis (Chemistry), Electrolytes, Temperature,
*Ammonium compounds, *Electrolysis, Amines,
Electrochemistry.

In the electrolysis of ammonium fluoride-hydrofluoric
acid mixtures, nitrogen fluorides in various ratios are
formed, conditional above all on the ammonia con-
centration and the temperature of the electrolyte. The
quantity of NF_3 is always the largest; next to it appear
(Chemistry--Physical, TT, v. 10, no. 1) (over)

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REDUCTION OF INORGANIC HALIDES. II. REDUC-
TION OF TETRACHLORIDE. [1963] 26p.
Order from K-H \$26.00 K-H 5309 J

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Allgemeine Chemie (East Germany) 1923, v. 128,
p. 81-95.

DESCRIPTORS: Inorganic substances, *Halides,
*Chlorides, Reduction (Chemistry).

(Chemistry - Inorganic, TT, v. 10, no. 1)

63-17291

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