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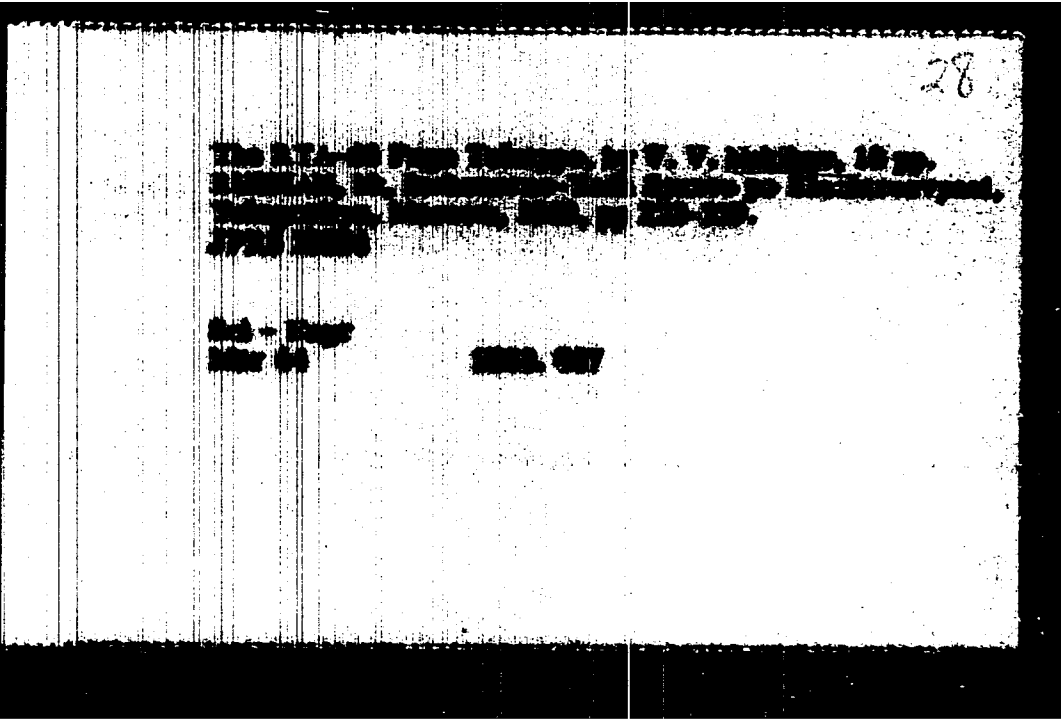
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Pipes, by I. S. Zolotarev and L. D.
Nol'de.

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J. Volting

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Nosaki, Ryo, Hori, Fumiski, and Kurihara, Kanjtn.
METHOD OF PHOTOMETRIC DETERMINATION OF
OXALIC ACID AND CALCIUM BY USING ULTRA-
VIOLET ABSORPTION OF IRON OXALATES (III) COM-
PLEX BODY. [1963] 6p. (figs. tables omitted) 3 refs.
Order from SLA \$1.10 63-18810

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- II. Hori, F.
- III. Kurihara, K.

Trans. of Nihon Kagaku Zasshi (Japan) 1961, v. 82,
no. 6, p. 713-715.

DESCRIPTORS: *Oxalic acids, *Calcium, *Iron com-
pounds, Oxalates, *Complex compounds, *Perchlorates,
*Ultraviolet spectroscopy, Chlorine, Sulfuric acid,
Acetic acids, Tartrates, Citric acids.

A method for the photometric determination of oxalic
acid and calcium was tried by using the ultra-violet ray
absorption of iron oxalates (III) complex body with the
composition of 1 ; 1. In a solution (whose pH is 0.57)
(Chemistry-Analytical, TT, v. 10, no. 12) (over)

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Noll, August.
THE BEHAVIOR OF BITUMENS AND SOFT PITCH
DURING HEATING. 29 Apr 52 [8p]
Order from SLA \$1. 10 63-20632

Trans. of Wochenblatt für Papierfabrikation (West
Germany) 1948, v. 76, no. 5, p. 108-110.

DESCRIPTORS: *Bitumens, *Pitch (Material), Heating,
*Paper industry, Coatings.

(Materials--Paper, TT, v. 10, no. 12)

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I. Noll, A.

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Noll, August and Hölder, Fritz.
CONCERNING THE DETERMINATION OF LIGNIN
IN PAPER PULP, REPT. I. [1963] [19]p. (figs.
omitted) 3 refs. 63-14104
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Trans. of Papier-Fabrikant (Germany) 1931 [v. 29]
no. 30, p. 485-490.

DESCRIPTORS: *Lignin, Paper, Wood pulp, Chemical
analysis, Hardness, Hydrolysis.

A rapid method is described for the determination of
lignin in pulps which can be carried out with the
simplest accessories. The method relies on the use of
the so-called powdered material, a dust-fine material
produced by a specially constructed grinder. Sac-
charification of the carbohydrate material is brought
about by a new method with 78% sulfuric acid in the
(Materials--Wood, TT, v. 10, no. 2) (over)

63-14104

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Noll, August and Hbider, Fritz.
STANDARD METHOD FOR THE DETERMINATION
OF THE LIGNIN CONTENT OF BLEACHED AND
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omitted) 13 refs.
Order from SLA \$1.10 63-14109

Trans. of Papier-Fabrikant (Germany) 1934 [v. 32]
no. 15, p. 169-170.

DESCRIPTORS: *Lignin, *Wood pulp, Chemical
analysis, Bleaching, Resins, Paper industry.

Two parallel research series were drawn up, in
which one is designed for the quantitative determina-
tion of the lignin content while the second serves as a
test of the completeness of the saccharification.
(Author) (See also 63-14108)

(Materials--Wood, TT, v. 10, no. 2)

63-14109

I. Noll, A.
II. Hbider, F.

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Noll, A[ugust], Bolz, F., and Fiedler, H.
IMPROVEMENT OF THE METHODS FOR LIGNIN
DETERMINATION IN PULPS, REPT. 2. [1963] 14p.
Order from SLA \$1.60 63-14108

Trans. of Papier-Fabrikant (Germany) 1932 [v. 30]
no. 43, p. 613-616.

DESCRIPTORS: *Lignin, *Wood pulp, Chemical
analysis, Paper industry.

It is shown by experimental examples that the resin,
which is precipitated at the same time, increases the
lignin determination. Several ways are shown of ob-
taining a resin-free lignin which provides an improve-
ment in the general method. A new routine of operat-
ion is given which makes it possible to analyze
bleached pulps with exceptionally low lignin contents.
(Author) (See also 63-14104)
(Materials--Wood, TT, v. 10, no. 2)

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U. Gloor, 13 pp.

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Development Aspects of Silicones in Germany, by
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Trans. of die Chemie (Germany) 1944, v. 57,
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DESCRIPTORS: Water, *Silicates, Hydrates, Chemi-
cal reactions, Phase studies, *Aluminum compounds,
*Silicon compounds, *Oxides, Reaction kinetics.

(Chemistry--Inorganic, TT, v. 8, no. 9)

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Noll, W., Damm, K., and Fauss, R.
STUDY OF THE SYSTEM $\text{SiO}_2/\text{H}_2\text{O}$: SILANOL AND
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CONDENSED SILICIC ACIDS AND THEIR BEHAVIOR
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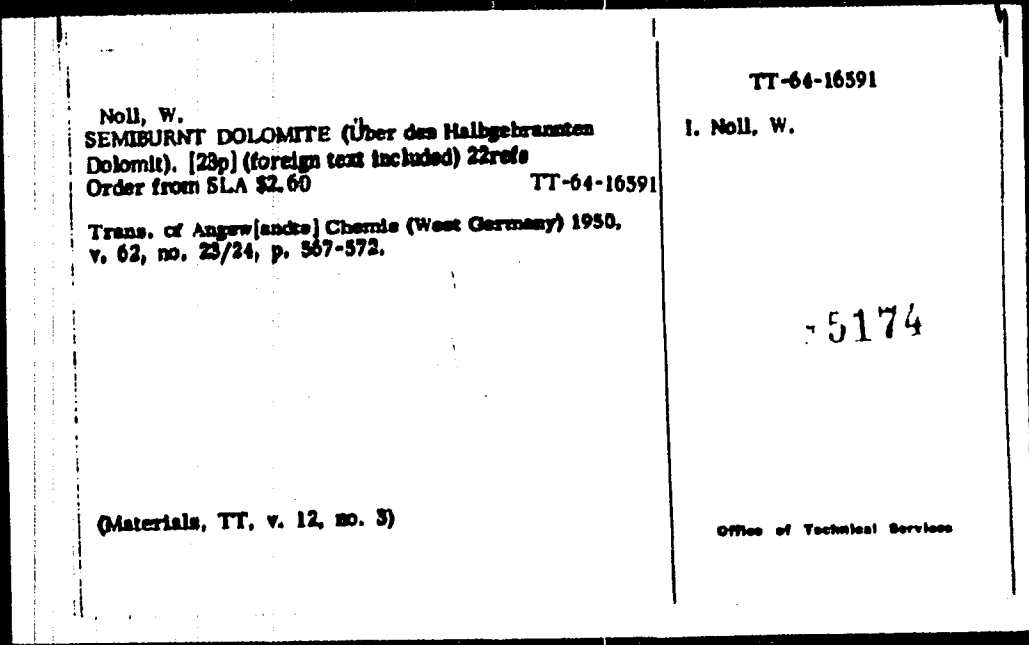
Trans. of Kolloid Zeitschrift (West Germany) 1960,
v. 169, no. 1/2, p. 18-28.

DESCRIPTORS: *Silicic acids, Dehydration, *Silicon
compounds, Dioxides, *Water acids, Condensation,
Chemical reactions, Reaction kinetics, Gels.

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(Chemistry--Physical, TT, v. 9, no. 8)

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Trans. of Farbe und Lack (West Germany) 1959,
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DESCRIPTORS: *Silicone resins, Resins, Conden-
sation reactions, Heat resistant polymers.

A new method is described for determining the
functional silanol groups and the water content in
silicon resins, and the silanol and water content of
various types of resin are determined. The conden-
sation behavior of silicon resins is studied with the
aid of this method and of infrared spectroscopy.
This can be combined in two phases, not sharply
distinct from each other: a first phase in which
(Materials--Plastics, TT, v. 8, no. 3) (over)

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Trans. of Belgian patent 525, 585, appl. filed 8 Jan 54,
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DESCRIPTORS: *Self-locking nuts, Nuts (Mechanics).

(Machinery--Machine Parts, TT, v. 8, no. 5)

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- II. Patent (Belgium) 525 585
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heterogeneous Catalysis, by G. M. Schwab, D. M.
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ON THE ACTION MANNER OF SALT CATALYSTS AT
THE SEPARATION OF HYDROGEN CHLORIDE FROM
ALKYL CHLORIDES. 12p (8 figs omitted) 24 refs.
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I. Noller, H.
II. Ostermeier, K.

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H. G. Harkins, III, & R. L. Lister, Jr.

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No. 6, 1961, pp. 509-577. 9093000

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British Pressure Measuring Devices, by G. Smith,
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GERMAN, per, Wehrmedizinische Monatsschrift,
No 1, 1966, pp 74-75.
*ACSI 1-9785
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H. Nolte

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Trans. of Zeits[chrift] f[ür] Erzbergbau und Metall-
hüttenwesen (West Germany) 1961, v. 14, no. 1,
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DESCRIPTORS: *Casting, *Automation, Metals, Mold-
ing, Liquid metals.

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The Influence of Small Additions on the Re-
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Order from OTS or SLA \$1.10 62-10975

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An intimate relationship was found between the excitation spectrum of photoelectric polarization and other spectra of the phosphors. It appeared that the internal photoelectric effect in the fundamental absorption band is basically caused by free electrons. (Author)

62-10975

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(Physics - Solid State - III)
v. 9, no. 1)

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Between 9 Bev Protons and Photographic Emulsion
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NULL-ADJUSTING DEVICE FOR GAS ANALYSERS.
Feb 64, 7p
Order from SA \$16.00 SA Code-P-241

Trans. of published Japanese patent 2750/1955,
23 Apr 55, cl. 113-C-12 (appl. no. 1904/1953,
5 Feb 55) by Shimizu Factory Inc. (Abstract available)

DESCRIPTORS: *Laboratory equipment, Design, *Gas
analysis, *Electric bridges, Circuits, Resistors,
Gases, Thermal conductivity.

The invention relates to a null-adjusting device for gas
analysers which is characterized by that the sample
gas contacting heat-generating resistor body which is
inserted as one side of the bridge circuit is devised in
such a manner that it may be brought into contact with
the air by switchover, having the air contacting resist-
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- I. Nomura, I.
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Trans. of [Kyushu Daigaku Nogakubu Gakugai Zasshi] (Japan) 1959, v. 17, p. 1-8.

DESCRIPTORS: Plants, *Rice, Diseases, *Fungus infections, *Nematodes, Parasitic infections, Respiration, *Enzymes, Oxidases, Catalase, Peroxidase.

The severity of rice stem rot (*Leptosphaeria salvinii*) was decreased when the plant had been affected with "white tip", the rice nematode disease caused by (Agriculture - Plant Cultivation, TT, v. 8, no. 4)

(over)

62-10301

I. Nonaka, F.

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