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[62-12309]
Order from ATS 412.10

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p. 116-120.

DESCRIPTORS: •Hydroperoxides, Decomposition,
•Sulfur compounds.

(Chemistry--Organic, TT, v. 7, no. 11)

62-12309

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Studies of Fluid Catalytic Cracking. II.
Through-put Capacity of an Installation, by
T. Yanaguchi,
JAPANESE, per, Sekiyu Gakkai Shi, Vol III,
No 3, 1960, pp 636-640.
ATS JJ-2943

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Studies [on] Fluid Catalytic Cracking. [1951] 11p.
Order from ATS \$11.75 ATS-67855]

Trans. of Sekiyu Gakkai Shi (Japan) 1961, v. 4, no. 1,
p. 29-33.

DESCRIPTORS: Catalysts, Particles, Petroleum,
Processing.

(Engineering--Chemical, TT, v. 6, no. 12)

I. Yamaguchi, T.
II. Title Studies...
III. ATS-67855]
IV. Associated Technical
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2. Catalysts--Applications
- I. Yamaguchi, T.
- II. Title: Throughput...
- III. ATS-30N48J
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Kanesaki, K., Okada, T. and others.
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Trans. of Sekiyu Gakkai Shi (Japan) 1961, v. 4, no. 11,
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DESCRIPTORS: *Asphalt, Organic materials,
*Adhesion.

63-12847

- I. Kanesaki, K.
- II. Okada, T.
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GASOLINE ON STORAGE. [1963] 13p.
Order from ATS \$12.25

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Trans. of Sekiya Gakkai Shi (Japan) 1962, v. 5, no. 4,
p. 233-242.

DESCRIPTORS: *Gasoline, Catalysis, Decomposition,
Storage. *Colloids.

(Materials--Fuels, TT, v. 10, no. 1)

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- I. Kanesaki, K.
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Trans. of Sekiyu Gakkai Shi (Japan) 1962, v. 5, no. 4,
p. 243-248.

DESCRIPTORS: Hydrocarbons, Chemical reactions,
Decomposition, *Cyclopentanes, *Benzenes, *Catalysts.

ATS 63-12631

(Chemistry--Organic, TT, v. 9, no. 7)

- I. Title: Reforming
process (Chemistry)
- II. Iijima, K.
- III. Title: Hydrodecycl-
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- IV. ATS-87P65J
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63-20006

Nakamura, Masunobu and Gunji, Koki.

STUDIES ON SYNTHESIS AND X-RAY SPECTRA OF
ETHYLENE-PALLADIUM CHLORIDE COMPLEX.

[1963] (17p) 9 refs.

Order from SLA \$11.60

63-20006

I. Nakamura, M.

II. Gunji, K.

Trans. of Sekiyu Gakkai Shi (Japan) 1962, v. 5, p. 720-724.

DESCRIPTORS: *Complex compound, *Ethylene,
*Palladium compounds, *Chlorides, Synthesis (Chemistry), X-ray diffraction analysis, Acetaldehydes, Vinyl radicals, Acetates, Acetals, *Catalysts, *Organic solvents.

An ethylene-palladium chloride complex was easily formed by direct reaction of ethylene with palladium chloride in a non-polar solvent system, such as heptane, carbon tetrachloride, benzene, or pyridine. (Chemistry--Organic, TT, v. 10, no. 12) (over)

Determination of Gaseous Air Pollutants, by
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JAPANESE, per, Sekiyu Gakkaishi, Vol 7, No 2, 1964,
pp 92-96.
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Experiments in Mitsui Oil Fields, by K. Nakayama.
10 pp.

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Murakami, Keiichi and Tanaka, Hirobumi.
STUDY OF CALCIUM SULFATE PRODUCED AS A
BY-PRODUCT FROM THE MANUFACTURE OF
PHOSPHORIC ACID. [1963] 16p. 5 refs.
Order from SLA \$1.60 63-16119

Trans. of Sekho to Sekkal (Japan) [1955, no. 18]
p. 841-945.

DESCRIPTORS: *Calcium compounds, *Sulfates,
Phosphoric acids, Hydration, Gypsum, Phosphates,
Decomposition, Sulfuric acid.

The transition curve between $\text{CaSO}_4 \cdot 1/2 \text{H}_2\text{O}$ and
 $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ in phosphoric acid was determined by
Nordengren and his co-workers in 1930 (U.S. Patent
1,776,595). Later investigators have shown this curve
to be inaccurate. This work confirms the curve pro-
duced by the later workers by the following results:
(Chemistry--Inorganic, TT, v. 10, no. 7) (over)

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I. Murakami, K.
II. Tanaka, H.

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in the Phosphoric Process. Part ~~1~~ 2.
Crystal Size and Ease of Filtration, by
T. Yamada.

JAPANESE, par, Sakko to Sekkai, No 20.
1957, pp 1269-1275.

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ATL 4-4-77

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Report). Crystallization of Gypsum, by
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pp 1315-1318.

ATS JJ-34901

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