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(Chemistry--Organic, TT, v. 6, no. 1)

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Emission and absorption spectra have been observed
in a glow discharge containing benzene and its homo-
logues. The technique of Schlier was used. A number
of observations is reported of which two are empha-
sized: The quantitative ratios of the break-down prod-
ucts and especially the building up of higher homologues
such as toluene from benzene, ethylbenzene from
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(Chemistry--Organic, TT, v. 5, no. 7)

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DESCRIPTORS: *Insulating materials, *Oils, Aging,
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(Materials--Lubricants, TT, v. 6, no. 4)

61-22902

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DESCRIPTORS: *Combustion, *Fuels, Liquids,
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deposits, Heat transfer, Transition temperature,
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(Chemistry--Physical, TT, v. 11, no. 4)

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DESCRIPTORS: *Peroxides, Oxidation, Hydroxides,
*Potassium compounds.

The peroxide compound resulting from the action of oxygen on potassium hydroxide is formed according to $2\text{KOH} + 1/2\text{O}_2 = \text{K}_2\text{O}_2 + \text{H}_2\text{O}$. The reaction was investigated along with the simultaneous formation of water; it begins at about 210° and attains a maximum with about 20 percent conversion at 470° .

(Chemistry--Inorganic, TT, v. 10, no. 2)

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pounds, *Carbon, *Graphite, Pressure, Catalysts,
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(Chemistry--Inorganic, TT, v. 10, no. 5)

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C. KROGER

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Order from SLA ml\$1.80, ph\$1.80 61-10690

Trans. of Glastechnische Berichte (West Germany)
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The amounts of residual quartz which remain when
disilicate-quartz mixtures are tempered at 855°C were
determined with the aid of differential thermal analysis,
and the time dependence of the quartz dissolution was
compared to the dissolving velocity of the quartz
(determined by X-ray methods) in the eutectic disill-
cate-quartz mixture. At temperatures in excess of the
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(Materials--Ceramics, TT, v. 5, no. 10) (over)

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v. 39, no. 17/18, p. 257-268.
Another translation is available from ATS \$22.10 as
ATS-02L30G [1959] 27p.

1. Knocking--Physical factors
 2. Hydrocarbons--Ignition
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Vulcanization by Low Temperature, by M. Le Blanc,
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A. F. Krogeris

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NTC 69-12565-060

V. E. KROGERUS

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Krogh, Georg Fredrik von and Swensson, Carl
Peter.

EXPLOSIVE CHARGE WITH INCREASED DETONATING POWER, tr. by P. C. C. 24 Aug 60, 8p. (14 figs. omitted).

Order from LC or SLA mi\$1.80, ph\$1.80 61-13270

Trans. of Norwegian patent 85, 376, cl. 78e-5, appl. 18 July 52, granted 14 Dec 54, valid from 17 Feb 55, pub. 18 Apr 55.

The charge or element is provided with passages, the number, length and cross-sectional area of which depend upon the size and shape of the charge in order to increase the charge total transformation velocity and detonating power. The passage cross-sectional area varies step-by-step or continuously in a suitable manner along the longitudinal direction thereof.

(Engineering--Ordnance, TT, v. 5, no. 4)

61-13270

- I. Explosive charges--
Development
- I. Krogh, G F von
- II. Swensson, C P
- III. Patent (Norway) 85 376
- IV. Patent Office, Washington,
D C.

Office of Technical Services