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\*\* (Footnote R.p. 951) The quantities in parentheses are molar concentrations.

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increasing pressure at  $475^{\circ}$  at an exptl. duration of three hours. It was shown that under the indicated conditions this ratio increases with pressure. (It is approximately proportional to the initial hydrogen pressure).

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Fig. 1. Effect of initial hydrogen pressure on the ratio ..... at  $475^{\circ}$  ( $t=3$  hours).

(key)

1) atm

2) initial

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Fig. 2 shows the dependence of the ratio on the yield of benzene (in mole per cent) to the overall yield of toluene and ethylbenzene as a function of the initial hydrogen pressure at  $475^{\circ}$  for different exptl. durations.

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Fig. 2. Effect of initial hydrogen pressure on the ratio (benzene): [(toluene)+(ethylbenzene)] at  $475^{\circ}$ . a - 2 hours, b - 3 hours, c - 4 hours, d - 5 hours.

(key)

1) a

2) b

3) c

4) d

5) initial

6) atm<sup>2</sup>

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