

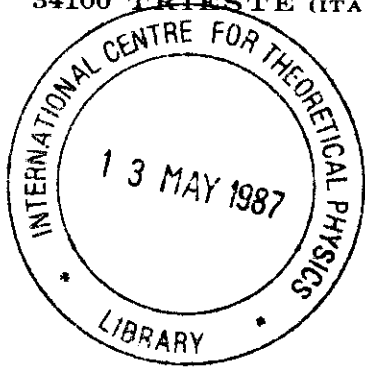


INTERNATIONAL ATOMIC ENERGY AGENCY
UNITED NATIONS EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANIZATION



INTERNATIONAL CENTRE FOR THEORETICAL PHYSICS

34100 TRIESTE (ITALY) - P.O.B. 586 - MIRAMARE - STRADA COSTIERA 11 - TELEPHONE: 2240-1
CABLE: CENTRATOM - TELEX 460392 - I



SMR/207 - 4

WORKSHOP ON
"SURFACE SCIENCE AND CATALYSIS"
(4 - 8 May 1987)

REFERENCES

V. PONEC
Gorlaeus Laboratories
Leiden University
P.O. Box 9502
2300 RA Leider
The Netherlands

These are preliminary lecture notes, intended only for distribution to participants.

References.

General Reading:

- B.C. Gates, J.R. Katzer, G.C.A. Schuit "Chemistry of Catal. Processes"
Mc Graw Hill, 1979,
- "Catalysis," Specialist Periodic Repts. (Vol. 1-7) Chem. Soc. London
- "Advances in Catal." Acad. Press, N.Y. } continuing.
- "Catal. Revs. Sci. Eng." M. Dekker, N.Y. }
- J.H. Thomas, W.J. Thomas "Introduction into the Principles of Het. Catal." (1967) A.P.
- G.C. Bond "Catal. by Metals" A.P. (1962)
- (still very useful!)

Hydrocarbon - Intermediates - reviews.

- "Adv. Catal." (16 - 32-Vol; Anderson, Clarke & Rooney, Gault, Ponec)
- V. Ponec, E.H. Brookhoven - in "Progr. Surf. Sci." 19, No 4. 1985
- G.A. Somorjai, M.J. Davis in "Chem Physics of Solid Surfaces"
eds. D.A. King, D.P. Woodruff, Elsevier, Vol 4, p. 217

CO/H₂ - Intermediates - review

- "Adv. Catal." and "Catal. Revs." (Klier, Pichler, Vannice, Ponec, Bell, Biloen-Sachtler)
- V. Ponec in Coal Science vol. 3. p. 1-62; (1984.)
- V. Ponec in Catalysis, Spec. Repts. Vol. 5, p. 48 (1982)
- E.K. Poels, V. Ponec in Catalysis, Spec. Repts Vol 6. 196 (1983)

Transient state techniques - Examples.

- H.B. Cutlip; Peters MS Chem Engn Progr. Symp. Ser. No 89 64 (1968)
- M. Kobayashi Chem. Eng. Science 37, 403 (1982)
- C.O. Bennett et al. Chem Eng Sci 27, 2255 (1972); Catalysis Revs.
- CH Yang, Y Soong, F. Biloen, Proc. 8th Int. Congr. Catal. Vol. II, p. 3 (1984) (!)