

## CONTENTS

	Page
1. The Occurrence and Origin of Oil and Gas	1
2. Exploring for Oil and Gas	26
3. Geophysical Methods Used in Prospecting for Oil	67
4. Drilling for oil	108
5. Production of Oil and Gas	145
6. Chemistry and Physics of Petroleum	186
7. The Petroleum Refinery	220
8. Distillation	241
9. Cracking and Reforming	278
10. Alkylation; Isomerization; Polymerization; Hydrodesulphurization; Sulphur Production	345
11. Finishing Processes	375
12. The Production of Petroleum Chemical Intermediates	440
13. Petroleum Gases	508
14. Aviation Fuels	526
15. Motor Gasoline	573
16. Diesel Engine Fuels	614
17. Domestic Fuels	626
18. Industrial Fuels	648
19. Petroleum Hydrocarbon Solvents	696
20. Lubricating Oils	721
21. Lubricating Greases	762
22. Petroleum Waxes	782
23. Bitumen	804
24. Special Products	810
25. Quality Assessment	855
26. The Petroleum Installation	873
27. Automatic Control and Instrumentation	897
28. Transport by Pipeline	912
29. Transportation by Sea	926
30. Transport by Road and Rail	946
Appendix – Note on Metrication	961
Author Index	963
Subject Index	969