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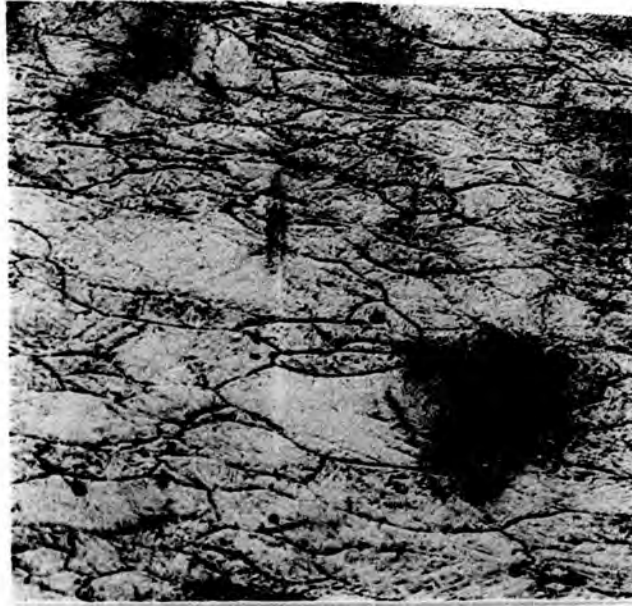
Appendix A



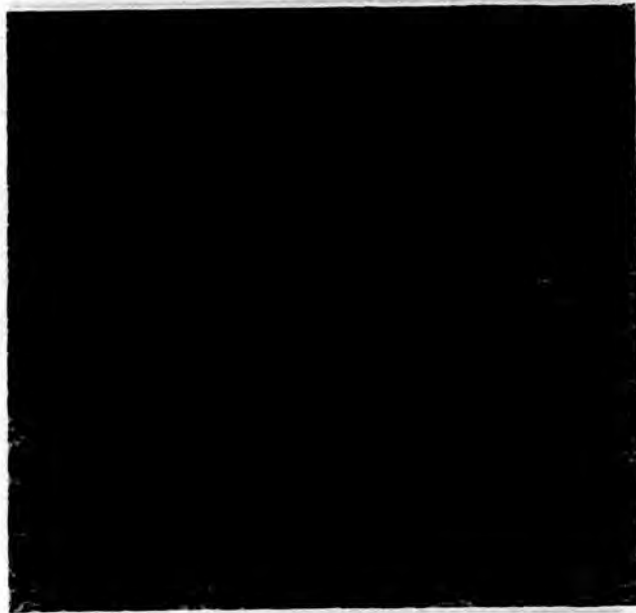
(a) Rolled 30% in nonrecrystallization region (100x)



Figure 4.14 (b) Rolled 40% in nonrecrystallization region (100x)



(c) Rolled 50% in nonrecrystallization region (100x)

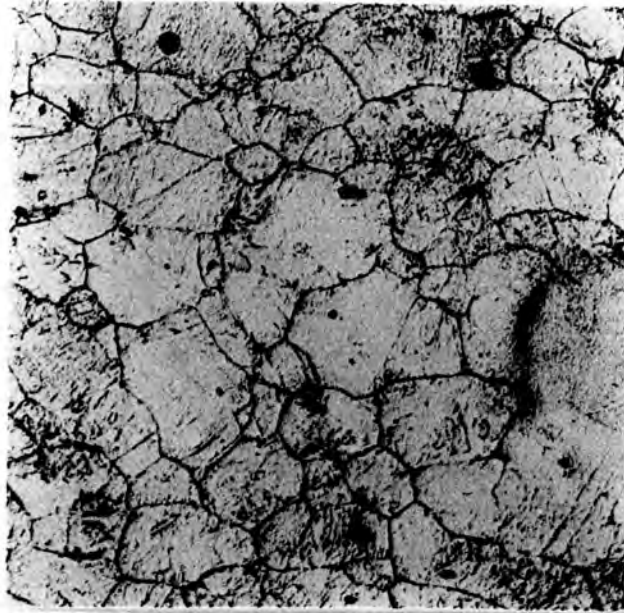


(d) Rolled 60% in nonrecrystallization region (200x)

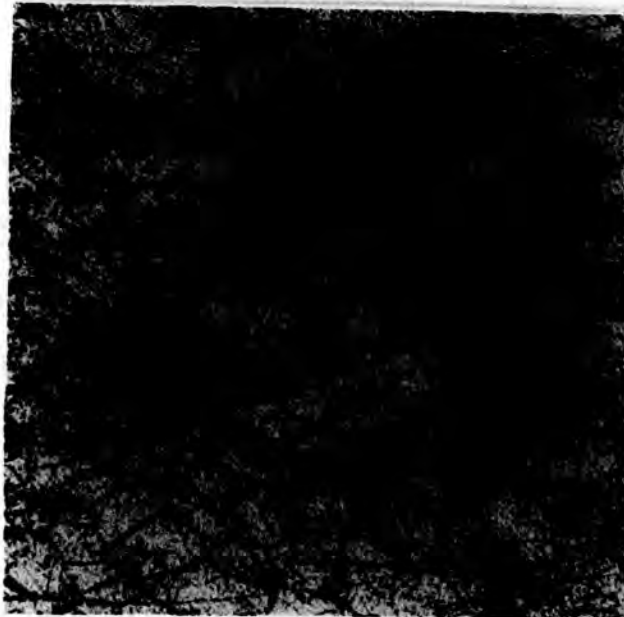


(e) Rolled 70% in nonrecrystallization region (200x)

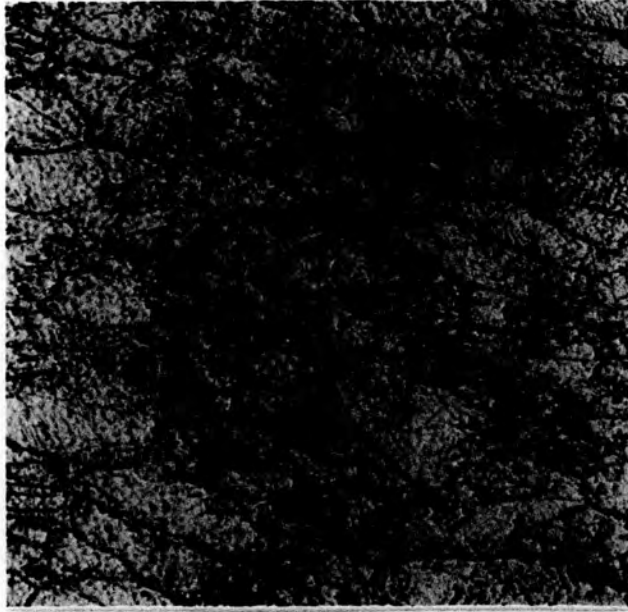
Microstructure of austenite grains after 40% deformation in recrystallization region and subsequently deformed with various degree of deformation in nonrecrystallization region holding 6 seconds before quenching



(a) Rolled 30% in nonrecrystallization region (100x)



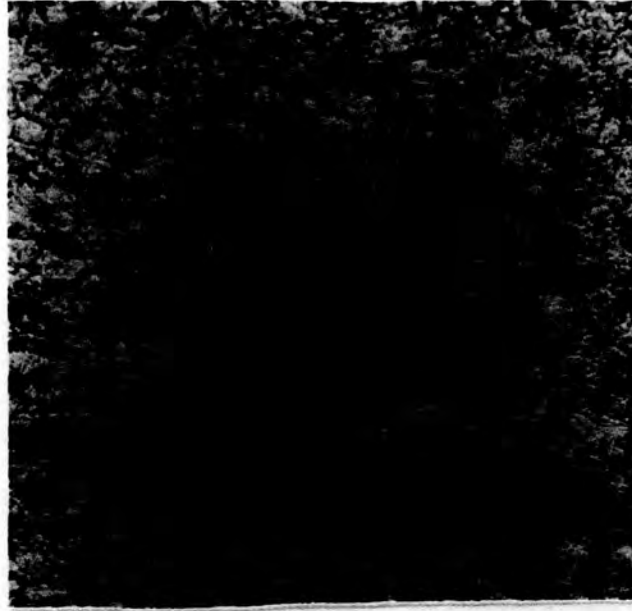
(b) Rolled 40% in nonrecrystallization region (100x)



(c) Rolled 50% in nonrecrystallization region (200x)

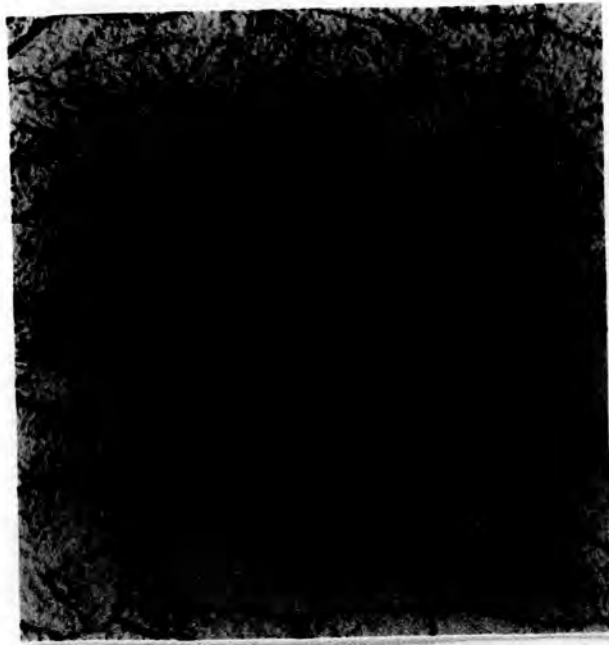


(d) Rolled 60% in nonrecrystallization region (200x)

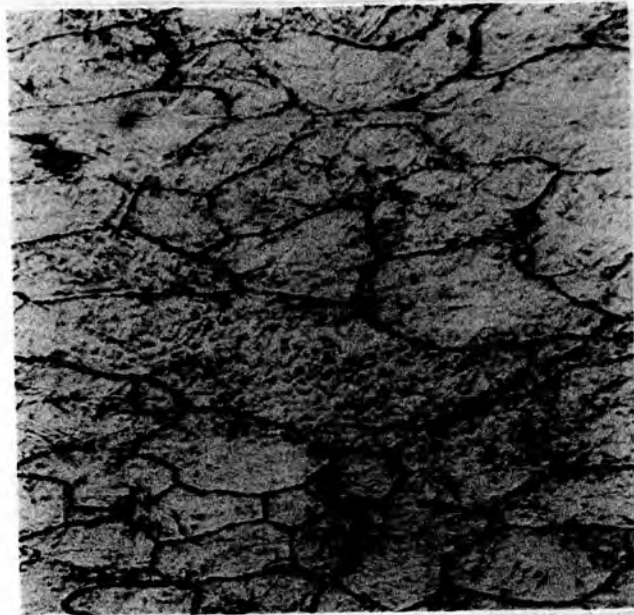


(e) Rolled 70% in nonrecrystallization region (200x)

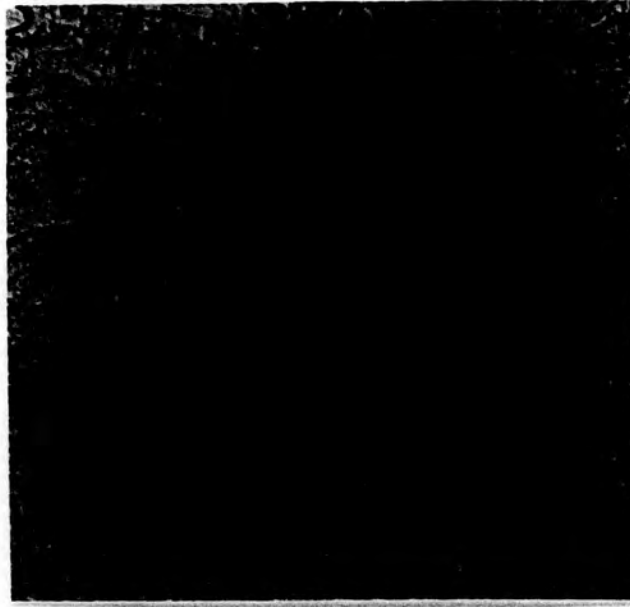
Microstructure of austenite grain after 40% deformation in recrystallization region and subsequently deformed with various degree of deformation in nonrecrystallization region holding 360 seconds before quenching



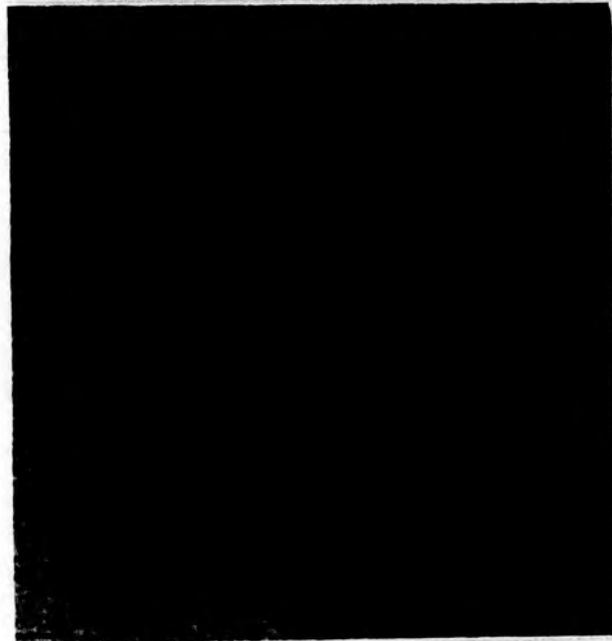
(a) Rolled 30% in nonrecrystallization region (200x)



(b) Rolled 40% in nonrecrystallization region (200x)



(c) Rolled 50% in nonrecrystallization region (200x)



(d) Rolled 60% in nonrecrystallization region (200x)



(e) Rolled 70% in nonrecrystallization region (200x)

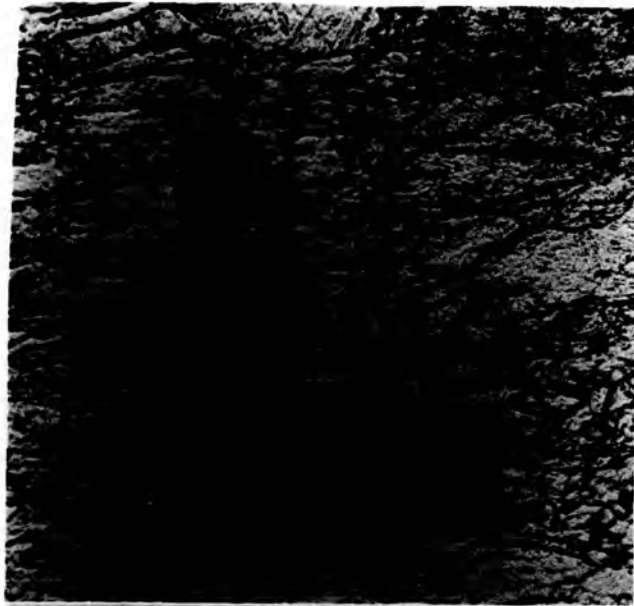
Microstructure of austenite grains after 50% deformation in recrystallization region and subsequently deformed with various degree of deformation in nonrecrystallization region holding 6 seconds before quenching



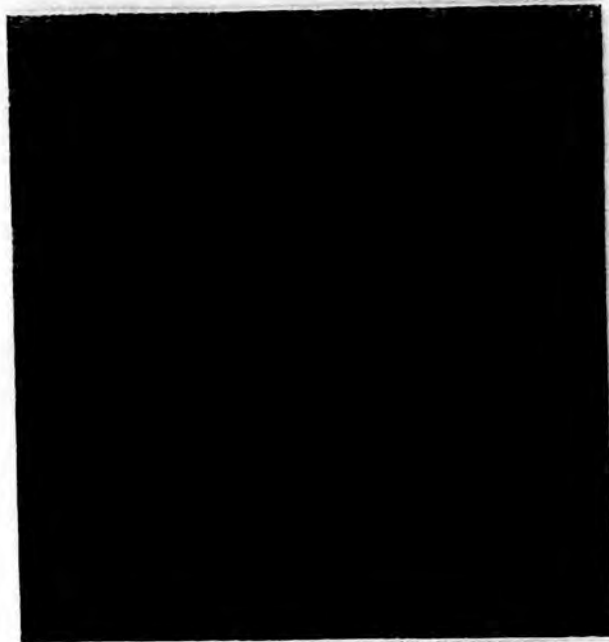
(a) Rolled 30% in nonrecrystallization region (200x)



(b) Rolled 40% in nonrecrystallization region (200x)



(c) Rolled 50% in nonrecrystallization region (200x)



(d) Rolled 60% in nonrecrystallization region (200x)



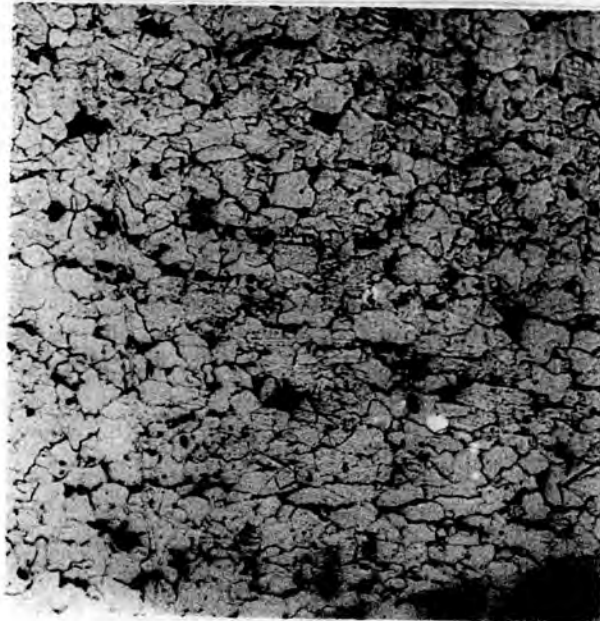
(e) Rolled 70% in nonrecrystallization region (500x)

Microstructure of austenite grains after 50% deformation in recrystallization region and subsequently deformed with various degree of deformation in nonrecrystallization region holding 360 seconds before quenching

Appendix B



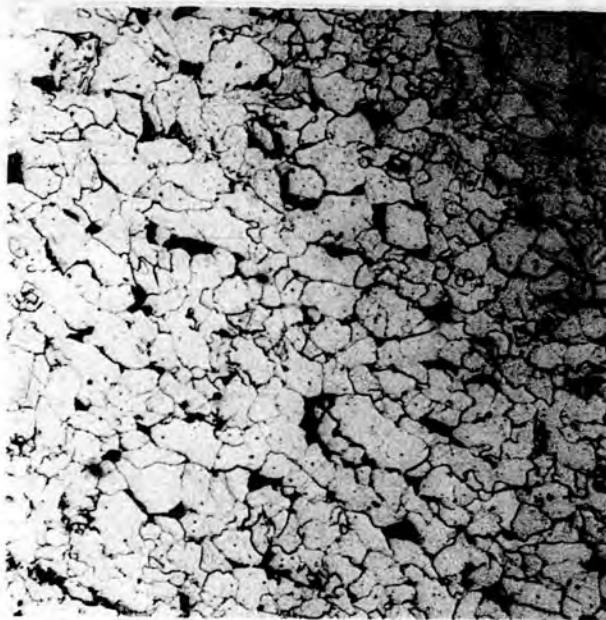
(a) Coiling at 520°C (200x)



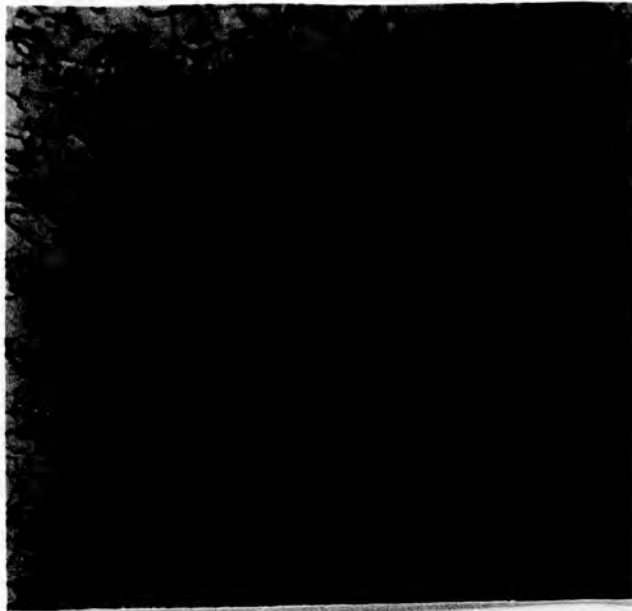
(b) Coiling at 550°C (200x)



(c) Coiling at 580° C (200x)



(d) Coiling at 610° C (200x)



(e) Coiling at 640° C (200x)



(f) Coiling at 670° C (200x)

Ferrite-pearlite microstructure after 40% deformation in recrystallization region, subsequently deformed 60% in nonrecrystallization region , and finally coiling to different temperature

Biography

Mr. Domdeat Sripinpoach was born on 21 January 1971. He graduated from Chulalongkorn University in 1992 with a bachelor's degree in metallurgical engineering. Now he has been working as Quality Assurance Manager at LPN Plate Mill Public Company Limited.