



NFB FILM

STUDY GUIDE

NORMETAL

*Black and White — 18 minutes
Produced by the National Film Board of Canada, 1960.*

Suggested Uses: Social Studies classes in intermediate, junior and senior high schools.

SYNOPSIS AND BACKGROUND

In the town of Normetal in northern Quebec the copper miner works in two distinct but related worlds — the shadowy world of the mine where work goes on incessantly, and the world above-ground where familiar everyday activities take place in rhythm to those below. The end result of this relationship is the whole refining process in which copper extraction is shown between mine and metallic concentrates.

SUGGESTED METHODS OF USE

Previewing of the film is highly recommended. It can most profitably be used as follows:

- a) As an introduction to a significant Canadian industry and the relationship of man to its development.
- b) To instil an understanding of conditions in the mining industry and their relation to individuals in a community concerned with maintaining it.
- c) As an introduction to the processes of copper extraction.

SUGGESTED CLASS PREPARATION

a) Introduction:

The teacher will find several methods of focussing the attention of the class on the mining industry. A piece of metallic copper could be prominently displayed in the classroom. A diagram of the refining process could be outlined on the blackboard. The class should be prepared to locate where mining industries are concentrated in Canada.

b) Words Which May Cause Difficulty:

pit head	mineral concentrates	subterranean	residue
smelter	metallic copper	flotation cells	electrolysis
	flotation baths		

SUGGESTED FOLLOW-UP ACTIVITIES

1. Prepare:
 - a) A map illustrating the geographical location of the mining industry in Canada.
 - b) A drawing illustrating the refining process of metal ore.
2. Discuss the importance of metallic copper to modern living.
3. Discuss some effective means of encouraging men to work in the mining industry.

RELATED VISUAL AIDS

Films:

INDUSTRIAL CANADA (NFB—18 minutes)
THE MAGIC MINERAL (NFB—13 minutes)

Filmstrips:

MINERALS FROM THE MOUNTAINS OF THE WEST
(NFB—B&W)
MAPS OF CANADA series—MINERAL AREAS
(NFB—B&W)
OUR RESOURCES series—MINING (Parts 1, 2 & 3)
(NFB—B&W)

