

CONTENTS

PREFACE ix

One

IN A FLIGHT OF STARLINGS 1

Two

PHYSICS IN ROME, AROUND
FIFTY YEARS AGO 19

Three

JE NE REGRETTE RIEN 35

Four

PHASE TRANSITIONS, OR
COLLECTIVE PHENOMENA 45

Five

SPIN GLASSES: THE INTRODUCTION
OF DISORDER 61

Six

METAPHORS IN SCIENCE 83

Seven

HOW IDEAS ARE BORN 97

Eight

THE MEANING OF SCIENCE 113

NOTES ON SOURCES 121

ACKNOWLEDGMENTS 125

INDEX 126