## **CONTENTS**

## FIRST SESSION

| OPENING ADDRESS                                      | 3  |
|--|----|
| COMPARATIVE MORPHOLOGY AND BIOLOGY OF WHEAT AND      |    |
| BARLEY GRAINS AND THE LOCATION OF NUTRIENTS          | 5  |
| DISCUSSION   | 14 |
| THE CONTRIBUTION OF PLANT BREEDING TO THE PRODUCTION |    |
| OF DESIRED CHARACTERISTICS IN BARLEY QUALITY         | 15 |
| DISCUSSION   | 32 |
| THE CONTRIBUTION OF PLANT BREEDING TO GRAIN QUALITY  |    |
| IN WHEAT   | 34 |
| DISCUSSION   | 52 |
| SECOND SESSION                                       |    |
| PHYSICAL VARIABLES IN THE CONTROL OF MALTING         | 57 |
| DISCUSSION   | 68 |
| ANTHOCYANOGENS IN MALT AND THEIR ENZYMIC DEGRA-      |    |
| DATION   | 70 |
| DISCUSSION   | 77 |
| THE USE OF ADDITIVES IN CONTROLLING THE MALTING      |    |
| PROCESS  | 78 |
| DISCUSSION   | 95 |