I would like to describe

1st) the experimental approaches which we used to decipher the code

2nd) The general features of the code

3rd) Probable future developments.

1) Two experimental approaches were devised to test the code. The [illegible] we were able to show that

1 Protein synthesis is dependent upon messenger RNA

2 that cell-free protein synthesis could be directed [illegible]

[illegible]

by synthetic mRNA

These approaches were used to define nucleotide sequences of codons. The results have shown that the code is a logical, flexible code. The Translation can be altered by modifying part of the translation apparatus, such as tRNA, activating enzymes, ribozomes & so forth

Accuracy is achieved by arranging the language so the most frequent errors either have similar meaning, or serve special functions, of the logic & plasticity of the code

Some examples I will be shown in the next few slides