LEXICAL RELATIONS

TWO APPROACHES

- SEMANTIC FIELD THEORY
- TRUTH CONDITIONAL SEMANTICS

I. SEMANTICS FIELD THEORY

- 1. Lexical Field…… **componential analysis**

  ------the determination of such features , like [human], [male/female], [adult/child].

- 2. Kindship

  a. Relations existing from birth…**consanguineal relations.**

  b. Relationships that are established through marriage … **affinities…** suffix *in-law.*

2. TRUTH CONDITIONAL SEMANTICS

- ◘ Hyponymy
- ◘ Synonymy
- ◘ Antonymy
- ◘ Binary and Non-binary Antonyms

a. Hyponymy

- 1a Rover is a collie.
- 1b Rover is a dog.
- 2a There are tulips in the vase.
- 2b There are flowers in the vase.

Terms:

-If 'la' is true ,'1b' is true,etc…. **Entailment.**

-Hyponyms….Superordinate/Hyperonyms

-Co-hyponyms

b. Synonymy

- 6a Jack is a seaman.
- 6b Jack is a sailor.
- This is our basis for establishing that *seaman* and *sailor are* **synonyms:** when used in predications with the same referring expression, the predications have the same truth value.
- Synonyms can be nouns, as in 6a and 6b, or adjectives, adverbs, or verbs.

c. Antonymy

- 16a Alvin is watching television now.
- 16b Alvin isn't watching television now.

Two sentences that have the same subject and have predicates which are **antonyms are also** mutually contradictory.

Terms '**marked** and **unmarked (global member).**

Binary and non-Binary Antonyms

d. Binary and Non-Binary Antonyms

- Binary Antonyms: dead vs alive, male vs female
- Non-Binary Antonyms: old vs young, wide vs narrow

3. A COMPARISON OF FOUR RELATIONS

- Synonyms

- Hyponym and Superordinate

- Non-Binary Antonyms

- Binary Antonyms

- *Synonyms*　　　　　　　　　　*Hyponym and Superordinate*
(p) Jack is a seaman.　　　　　(p) Rover is a collie,
(q) Jack is a sailor.　　　　　　(q) Rover is a dog.

- (The symbol Û indicates double entailment: the truth of [p] entails
- the truth of [q], and the truth of [q] entails the truth of [p].)
- *Non-binary antonyms*　　　　　*Binary antonyms*
(p) Luke is rich.　　　　　　　(p) The window is open,
(q) Luke is poor.　　　　　　　(q) The window is closed,

4. CONVERSE ANTONYMS

- Symmetry
- Reciprocity

5. EXPRESSIONS OF QUANTITY

- Quantifiers: all, no, some, many, few