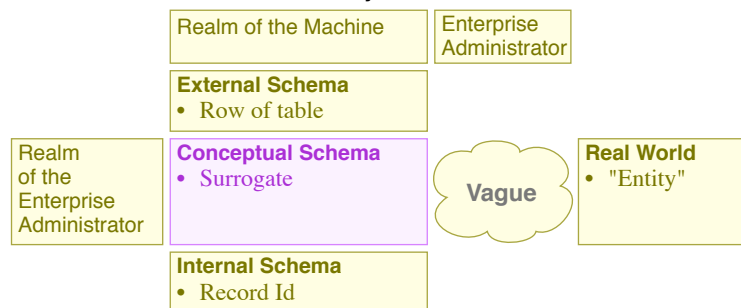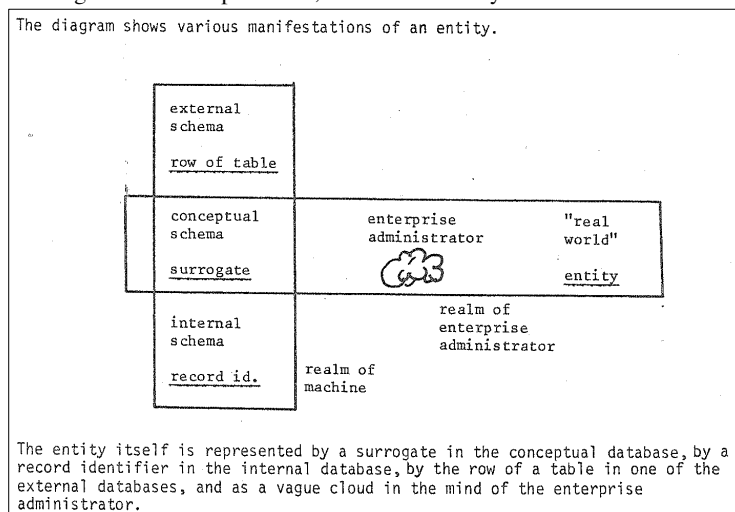## 1 Proposition as Presented

- Which is only relevant in the context of the "Internal Schema/Record Id" for RFS & HDBMS prior to 1984, same as RM/T
- Yet another redefinition of *Entity*, this time as a "concept" in order to elevate a surrogate (Record Id) to something that it is not (schizophrenic)
- Unscientific argumentation, emotional or in the tiny corners of the Bell Curve
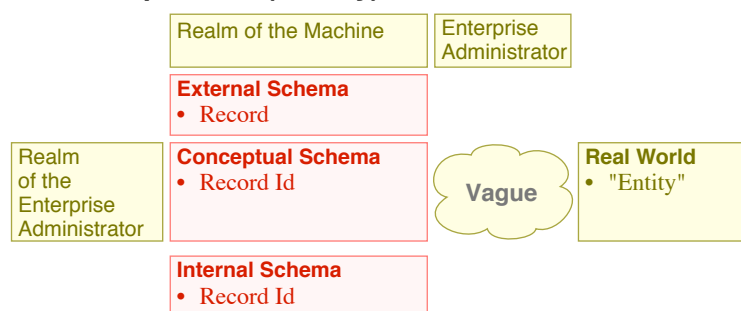
"Various manifestations of an Entity"

	Realm of the Machine	Enterprise Administrator
	External Schema • Row of table	
Realm of the Enterprise Administrator	**Conceptual Schema** • Surrogate	Vague	**Real World** • "Entity"
	Internal Schema • Record Id	

Reference

- ***Relations and Entities*** 1976, Patrick Hall; John Owlett, Stephen Todd
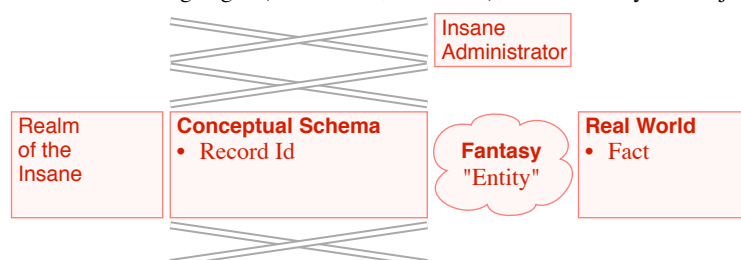- Diagram of "concept" below, clarified and analysed at left

```
The diagram shows various manifestations of an entity.

  ┌──────────────┐
  │ external     │
  │ schema       │
  │              │
  │ row of table │
  ├──────────────┼─────────────────────────────────────┐
  │ conceptual   │    enterprise          "real         │
  │ schema       │    administrator        world"       │
  │              │       ☁☁☁                             │
  │ surrogate    │                        entity        │
  ├──────────────┤                                      │
  │ internal     │              realm of                │
  │ schema       │              enterprise              │
  │              │              administrator           │
  │ record id.   │    realm of                          │
  └──────────────┘    machine                           │
                                                        │
The entity itself is represented by a surrogate in the conceptual database, by a
record identifier in the internal database, by the row of a table in one of the
external databases, and as a vague cloud in the mind of the enterprise
administrator.
```

2 Actual Proposition (Reality)

	Realm of the Machine	Enterprise Administrator
	External Schema • Record	
Realm of the Enterprise Administrator	**Conceptual Schema** • Record Id	Vague	**Real World** • "Entity"
	Internal Schema • Record Id	

- A Relational Key (logical) obtains *its* attributes: a row (logical),
- It is not possible to obtain anything via physical Record Id *except* a physical Record
- Perceiving a physical Record Id as anything but, is an act of self-delusion
- "row of table" is false:
  a. a failure to understand the difference between a logical row and a physical record, and
  b. a fiction at the intellectual level
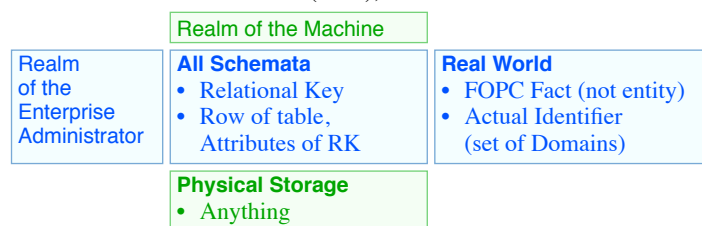
3 Irrelevant Confection

- An "Internal Schema" that is Record Id based is an artefact of pre-Relational platforms, Relational platforms have no such limitation
  - without that context, it has no relevance
- Further, in and of itself, outside that context, the concept is irrelevant
- As well as being vague (unscientific, unreliable), as declared by the subject authors

		Insane Administrator
Realm of the Insane	**Conceptual Schema** • Record Id	**Fantasy** "Entity"	**Real World** • Fact

- Failure to observe the real world
  - ie. facts; objects (not vague or confected "entities") and their Identifiers
- Imposition of an idiotic concept "entity" on things in the real world
  - and numbering them (which the real world object does not have) arbitrarily
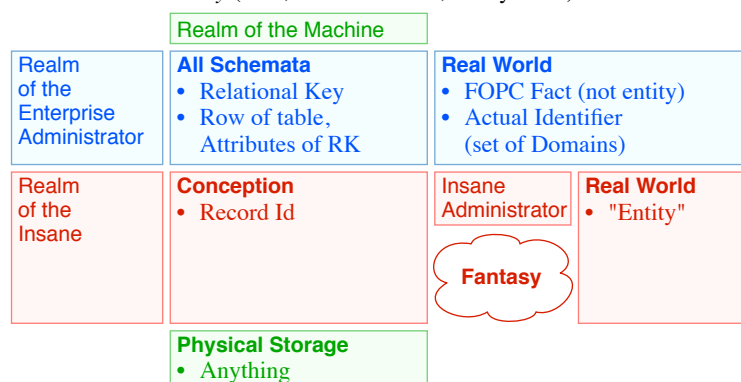
4 Relational Model

- Advent of Relational Model (1970); Relational Platforms within IBM (1976); outside IBM (1984)

	Realm of the Machine	

Realm of the Enterprise Administrator	**All Schemata**
	• Relational Key
	• Row of table,
	  Attributes of RK
		Real World
		• FOPC Fact (not entity)
		• Actual Identifier
		  (set of Domains)

	Physical Storage • Anything	

- Anything less is:
  - failure to observe the real world
  - failure to understand FOPC
  - failure to determine legitimate (Relational) Identifiers
  - failure to understand Relational Integrity

5 Anti-Relational Implementation in the Relational Paradigm

- Totally stupid, after the advent of Relational Plaforms
- Regression back to Record Id based mindset & machine
- The notion of *Entity* (Hall, Owlett & Todd, or any other) is determined to be unscientific fantasy, dismissed as such

	Realm of the Machine		

Realm of the Enterprise Administrator	**All Schemata**
	• Relational Key
	• Row of table,
	  Attributes of RK
		Real World
		• FOPC Fact (not entity)
		• Actual Identifier
		  (set of Domains)
			Relational Compliance
			• Logical
			• Access Path Independence
			• Relational Integrity

Realm of the Insane	**Conception**
	• Record Id
		Insane Administrator **Real World**
		• "Entity"
		
		Fantasy
			Relational Breach
			• Physical
			1 Breaks Access Path Independence Rule
			  • Cuts ancestors off from its descendants
			  • Forces additional JOIN at each breach
			2 One additional column & one additional index
			3 Eliminates Relational Integrity

	Physical Storage • Anything		