

GATE-TIME: EXTRACTION OF TEMPORAL EXPRESSIONS -AND EVENTS!

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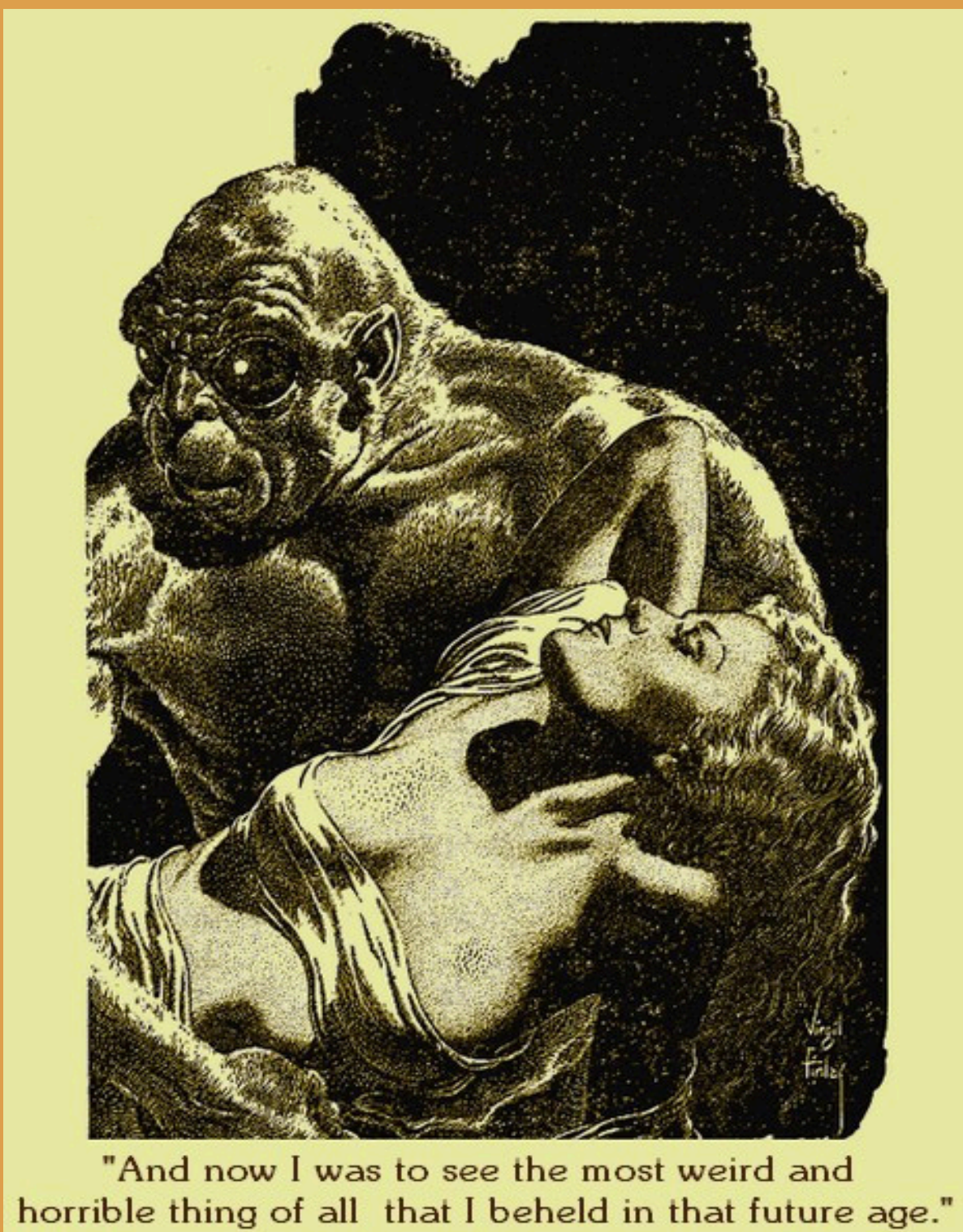
TIME IS CRITICAL TO LANGUAGE

- required to discuss past events, change, or plans
- most information bounded in time: the sky isn't always blue, George W Bush did not reign forever

TimeML is an ISO standard for annotating time in language

GATE is an established NLP platform

We annotate time in language using GATE and following TimeML



TEMPORAL EXPRESSIONS ARE THINGS LIKE DATES, TIMES, AND DURATIONS

We find these using HeidelTime

It marks up the times in the text ..

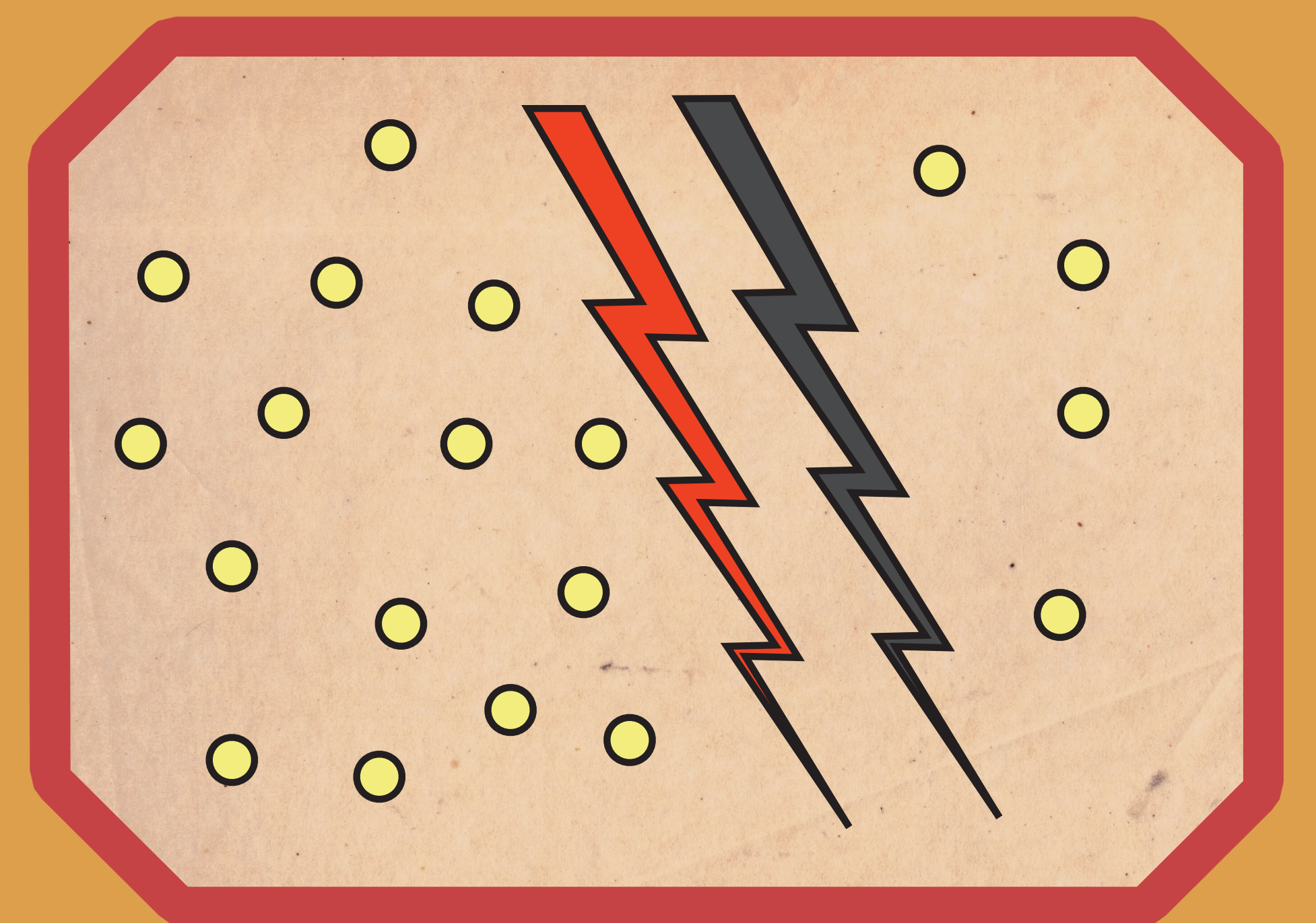
e.g. "Can we reschedule for the **Tuesday after next** please"

.. AND LINKS THEM TO A CALENDAR.

WE FIND EVENTS BY UPGRADING AN OLDER SYSTEM (EVITA)

The SVM/UM learns to find event words by exploiting the fact that most words aren't events

This gives us fast, flexible, state of the art performance



ALSO, BECAUSE GATE APPLICATIONS ARE MODULAR, OTHER APPLICATIONS CAN BE ADDED

- * TIMEN
- * TimeNorm
- * Temporal co-reference

**GATE-TIME IS AN OPEN, MODULAR, AND SUPPORTED TOOL
FOR TEMPORAL INFORMATION PROCESSING. USE IT!**

