

# Memiors from the Distant Future

# "Return to TORONTO"

We left Toronto  
in June 2006  
and returned in  
May 2507.

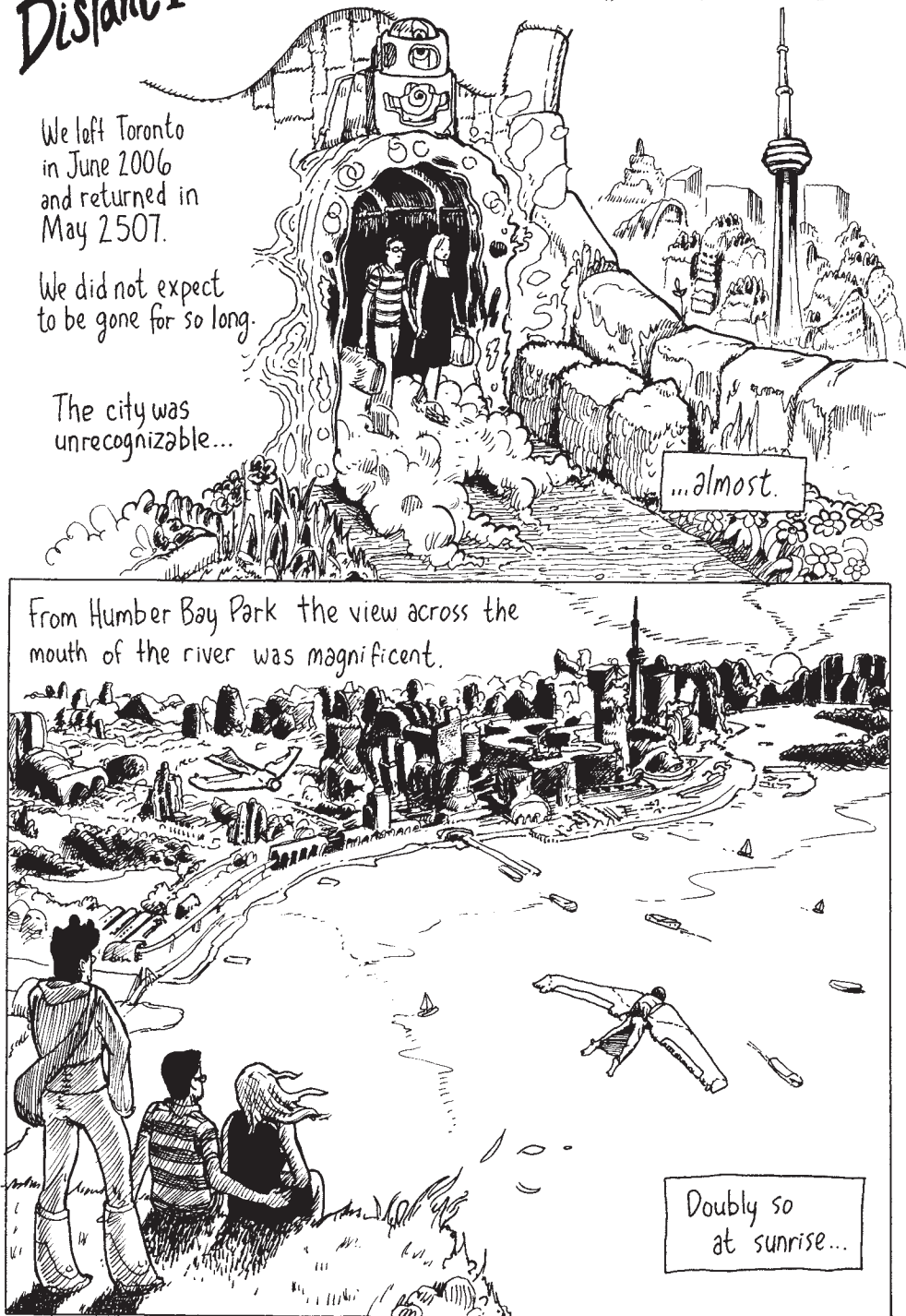
We did not expect  
to be gone for so long.

The city was  
unrecognizable...

...almost.

From Humber Bay Park the view across the  
mouth of the river was magnificent.

Doubly so  
at sunrise...



The park featured a cliff garden used by gliding and climbing enthusiasts.

AT FIRST EVERYONE THOUGHT IT WOULD BE IMPOSSIBLE...

It was an ingenious example of infrastructure recycling.

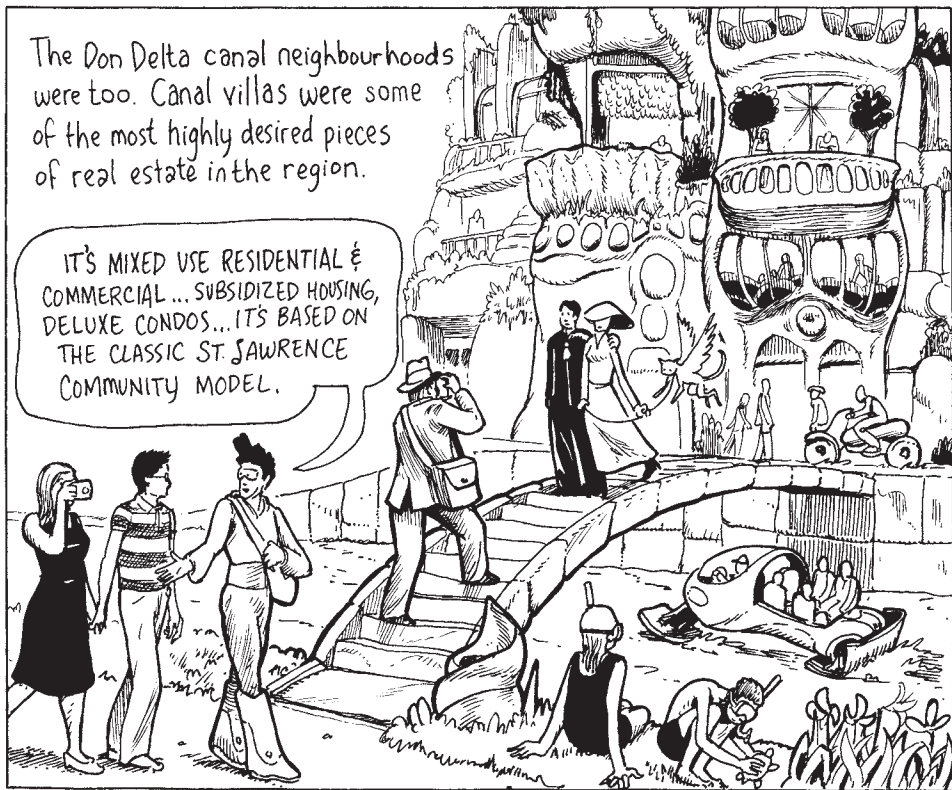
NOW IT'S A POPULAR SPOT FOR WEDDING VIDS.

GARDINER GARDENS



The Don Delta canal neighbourhoods were too. Canal villas were some of the most highly desired pieces of real estate in the region.

IT'S MIXED USE RESIDENTIAL & COMMERCIAL ... SUBSIDIZED HOUSING, DELUXE CONDOS... IT'S BASED ON THE CLASSIC ST. LAWRENCE COMMUNITY MODEL.

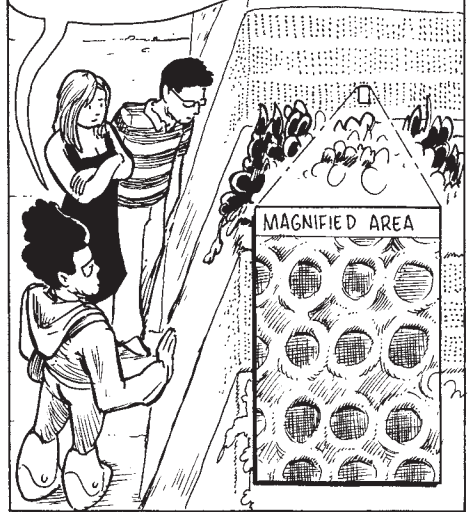


THE PUMICE-LIKE WALLS LINING THE CANAL CONTAIN COLONIES OF MICRO-ORGANISMS NATIVE TO THE DON RIVER ECOSYSTEM, THESE HELP TO KEEP THE WATER CLEAN.

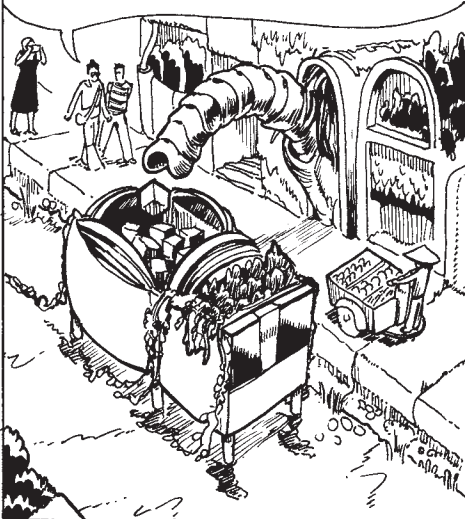


THE WALLS ALSO HOUSE MILLIONS OF NANOGENERATORS. THE MOTION OF THE WIND AND WATER SUPPLIES POWER TO THE BUILDINGS.

THE LAST CENTRALIZED GENERATING PLANT WAS DECOMMISSIONED BEFORE I WAS BORN.



BUILDING WASTE IS CAPTURED BY COMPOSTING / RECYCLING UNITS, THESE LITERALLY SHIT BRICKS ... NO KIDDING. THE BRICKS ARE THEN COLLECTED FOR USE IN URBAN AG PROJECTS. TORONTO PRODUCES ITS OWN DAILY REQUIREMENT OF VEGETABLES.



THE FORM & FUNCTION OF THESE NEIGHBOURHOODS ARE PRIME EXAMPLES OF **URBIOLOGY**.



Nic is a grad student in the Faculty of Urbiology at the University of Toronto.

Urbiology is the application of Systems Biology to the study and design of human habitation.

Systems Biology models the complex systems of biochemical processes out of which all life emerges.

Over the past two centuries it has completely recycled the mechanical world.

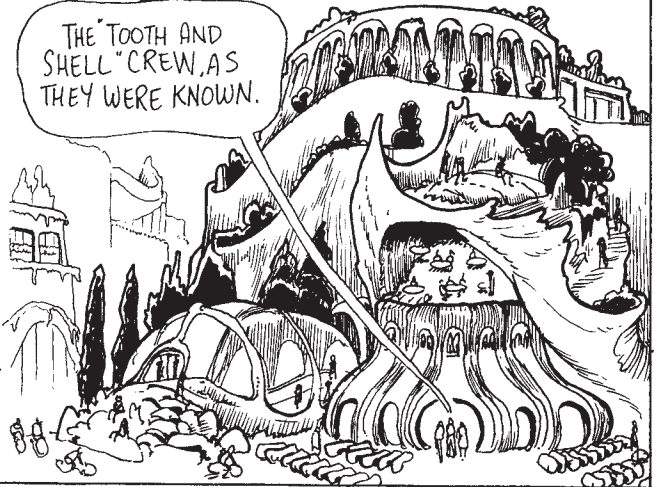
The differences between the built environment and nature have become difficult to discern.

A SYSTEMS BIOLOGY APPROACH ALLOWS US TO MANIPULATE BIOLOGICAL PROCESSES AT SCALES FROM MOLECULAR TO BIO-REGIONAL WITH VERY HIGH LEVELS OF EFFICIENCY.



The Urbiology Building at the university is an early masterpiece of the style. Its curtain wall was modelled using moose-tooth growth algorithms. The design and construction team included civil tissue engineers and architects, particularly the chitin and enamel experts.

THE "TOOTH AND SHELL" CREW, AS THEY WERE KNOWN.

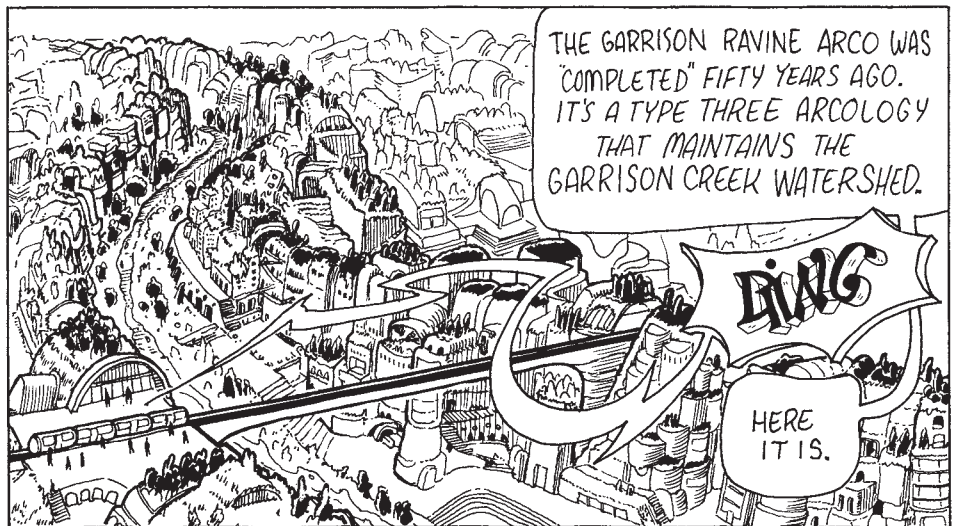
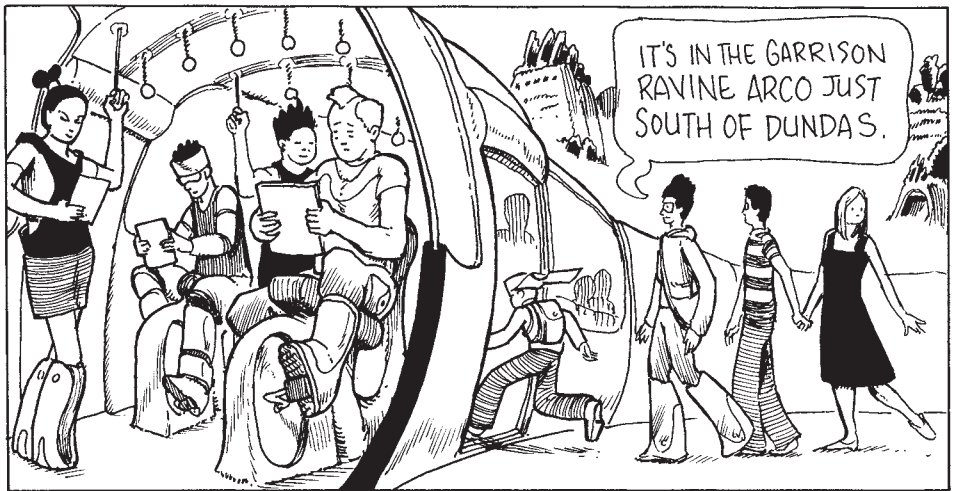
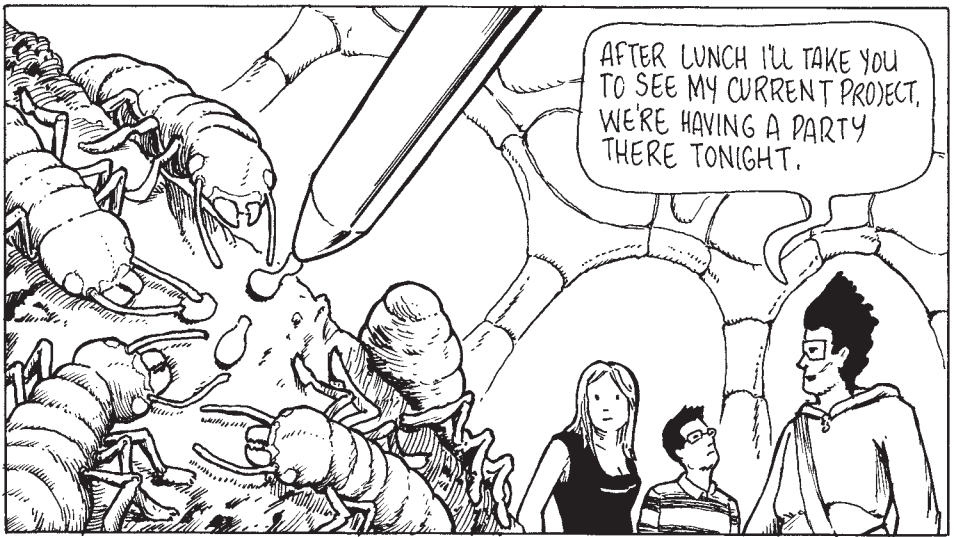


HERE'S A TYPICAL FIRST-YEAR DESIGN PROJECT. THE STUDENTS USE CHEMICAL SIGNALS TO GUIDE NEST-BUILDING BEHAVIOR IN A TERMITE COLONY IN ORDER TO SUSPEND A ONE-KILOGRAM BALL-BEARING AT AN ASSIGNED POINT IN SPACE.

HEY, CHECK OUT THESE TIME-LAPSE VIDS OF CORAL REEF DEVELOPMENT IN THE SOUTH PACIFIC.

RAD.



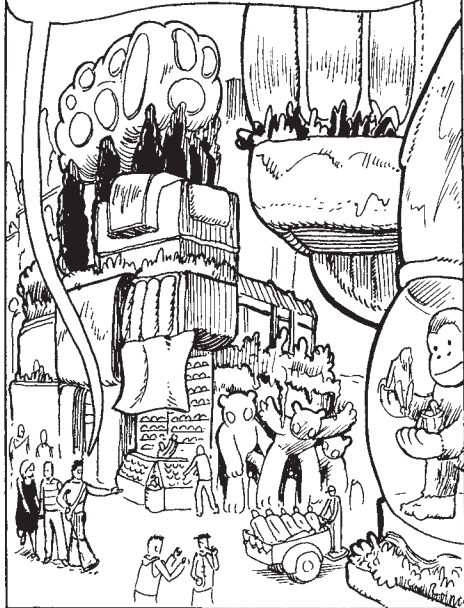


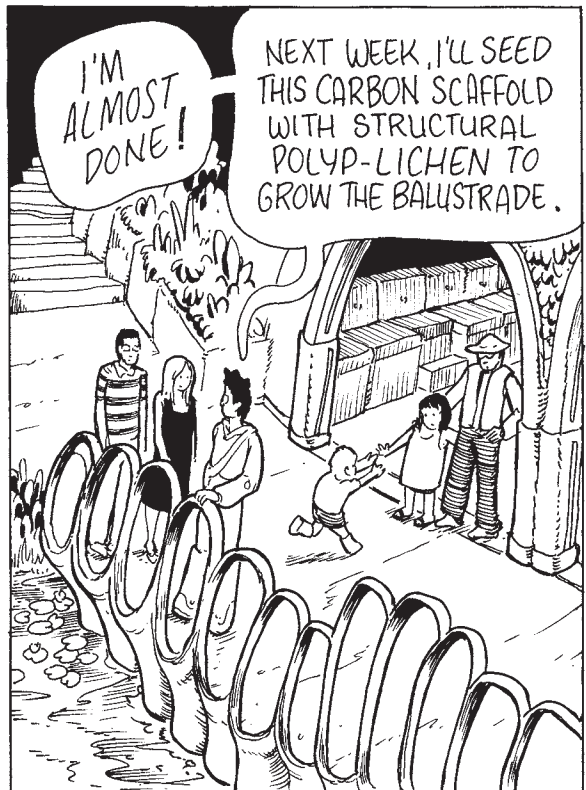
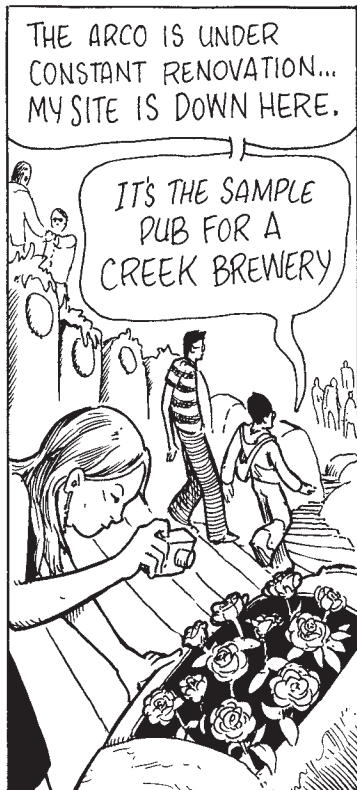
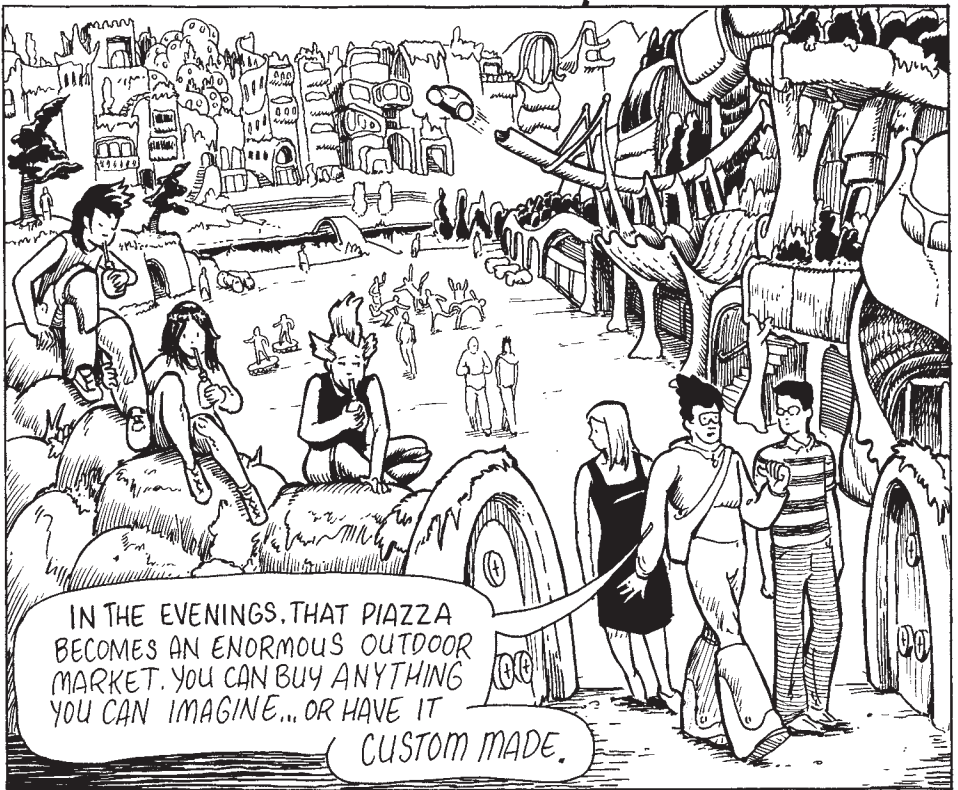


POPULATIONS OF THIS DENSITY REQUIRE CAREFUL QUANTUM SOCIAL ENGINEERING. UP AHEAD THERE'S A DAYCARE RUN BY SENIORS,



DOWN EACH OF THESE ARCADES ARE MAKERS' GUILDS, CRAFT HOUSES FOR CLOTHING, TECH, FOOD... EVERYTHING.





We spent the rest of the day following Nic as he ran errands in the Arco for the party that night.

THIS PLACE MAKES AMAZING SMOKED LAKE SALMON.



Later, the synaesthesia field was euphoric and the snack table bounteous.



THIS IS SOME KICKASS LOX.

FIN.

marcngui 2007