

Πολεοδομία  
1ο ΕΠΑΛ  
Ρεθύμνου  
2014-2015



# Ουτοπίες και τάσεις στην πολεοδομία

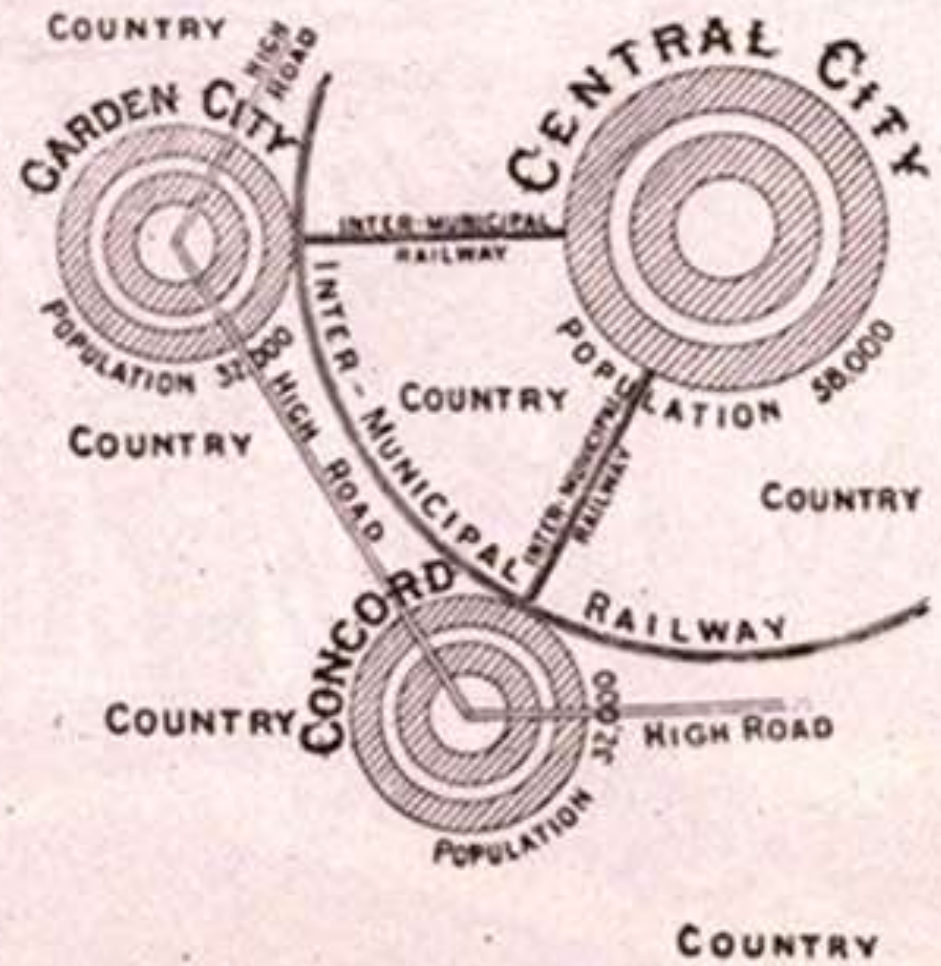




*The Ideal City* by Fra Carnevale, between 1480 and 1484. This extraordinary panel exemplifies Renaissance ideals of urban planning and offers a model of the architecture and sculpture that would be commissioned by a virtuous ruler who cares for the welfare of the citizenry.

# DIAGRAM

ILLUSTRATING CORRECT PRINCIPLE  
OF A CITY'S GROWTH - OPEN COUNTRY  
EVER NEAR AT HAND, AND RAPID  
COMMUNICATION BETWEEN OFF-SHOOTS.



Ebenezer Howard's influential 1902 diagram, illustrating urban growth through garden city "off-shoots"



1887 - 1965  
Le corbusier

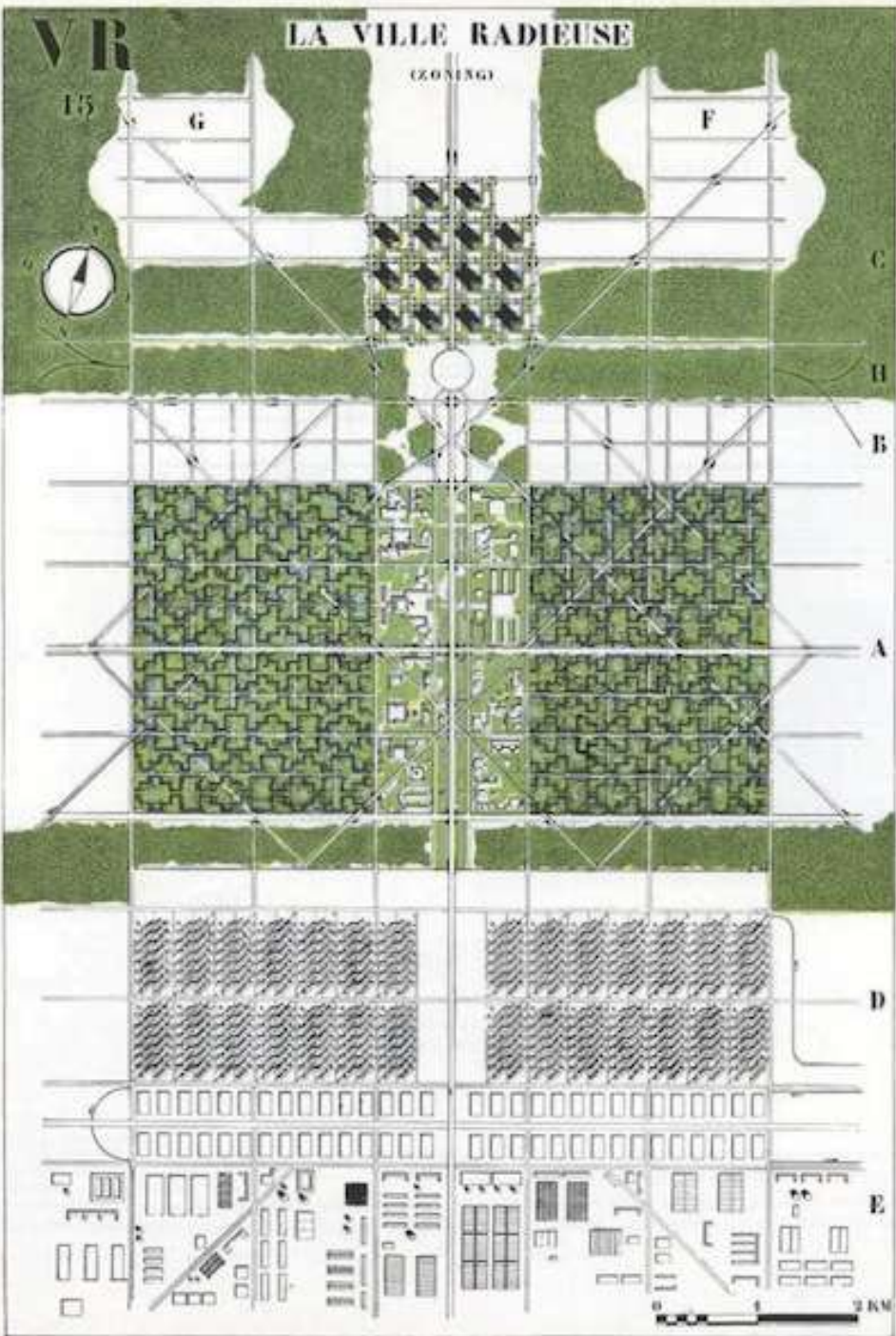
LIFE





(C) FLC

# La ville radieuse, Le corbusier



Satellite cities, e.g.: government buildings or center for social studies, etc.

The business center

Railroad station and air terminal

Hotels  
Embassies

Housing

Factories

Warehouses

Heavy industry





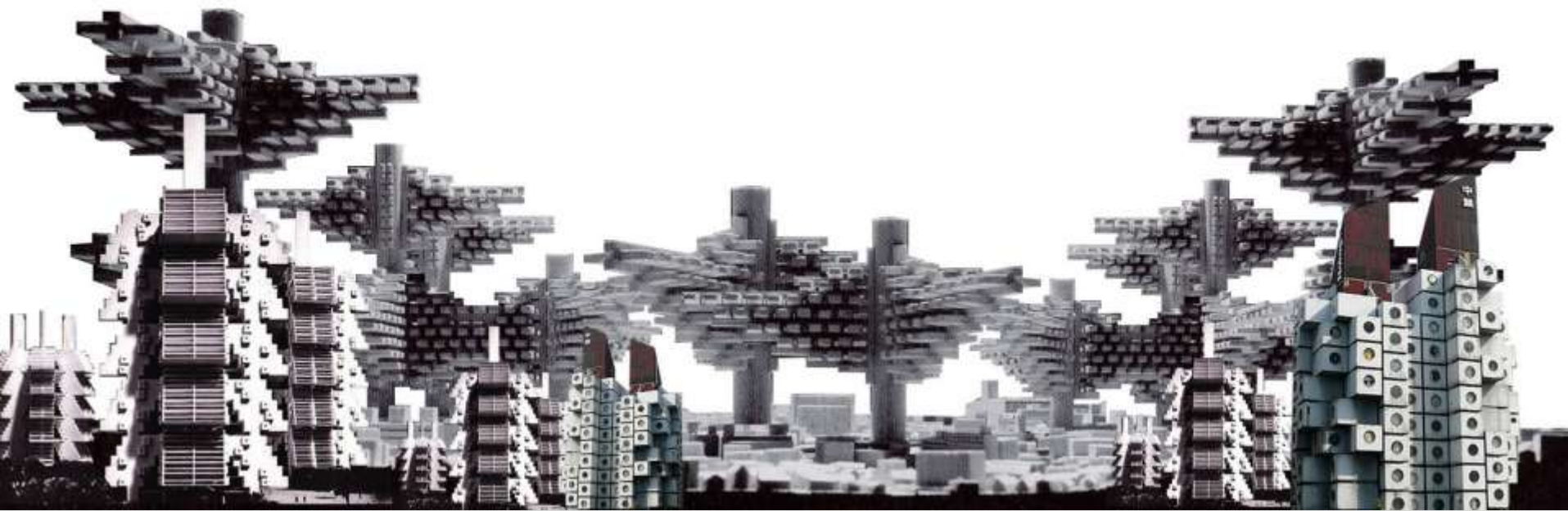


Πολυκατοικία στη Μασσαλία, Le corbusier





Isozaki arata

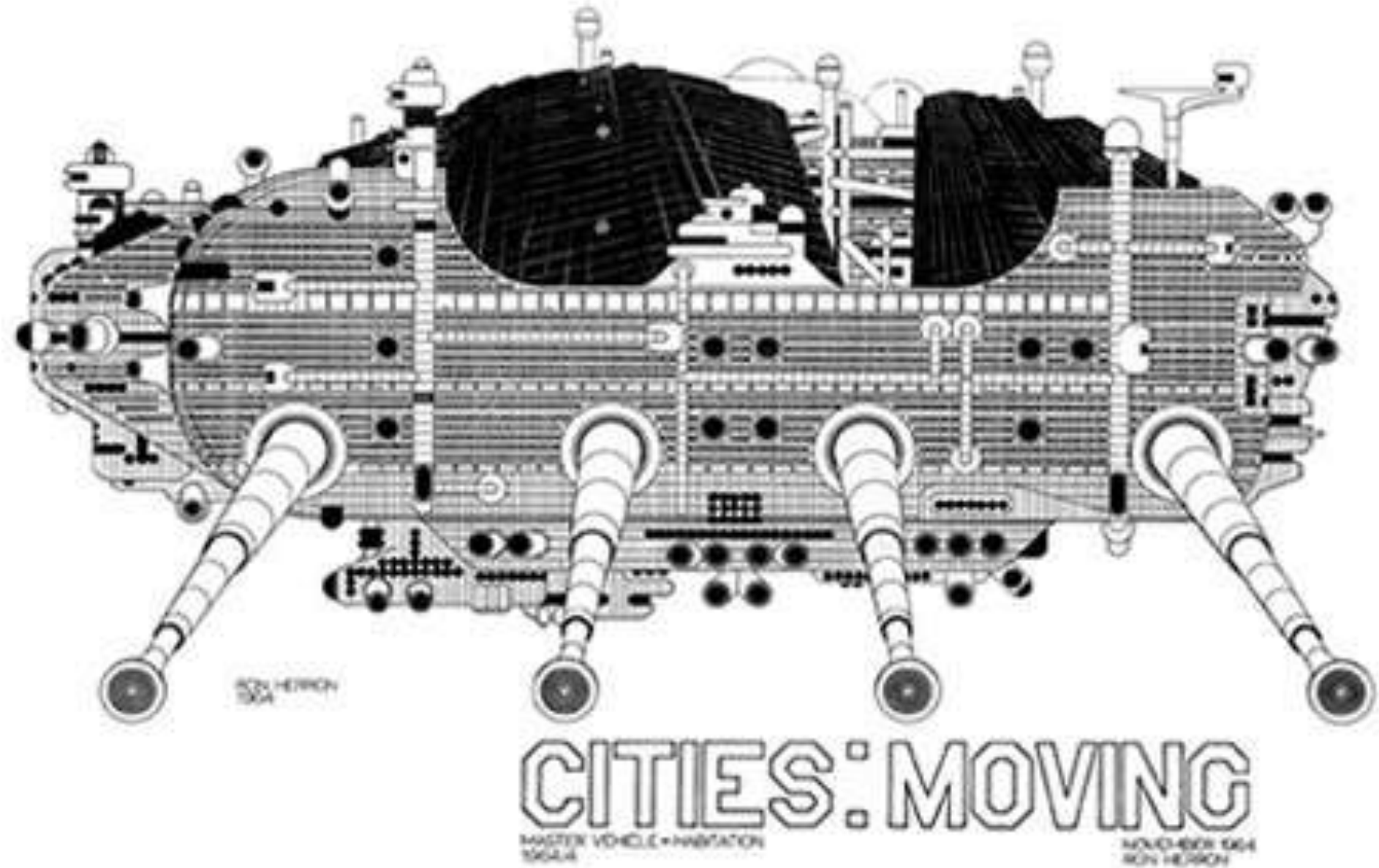




archigram



# Walking City, archigram



1964: πόλη των μεταβολιστών με άλλη σχεδιαστική εκφορά. Υπερτεχνολογική φαντασίωση.

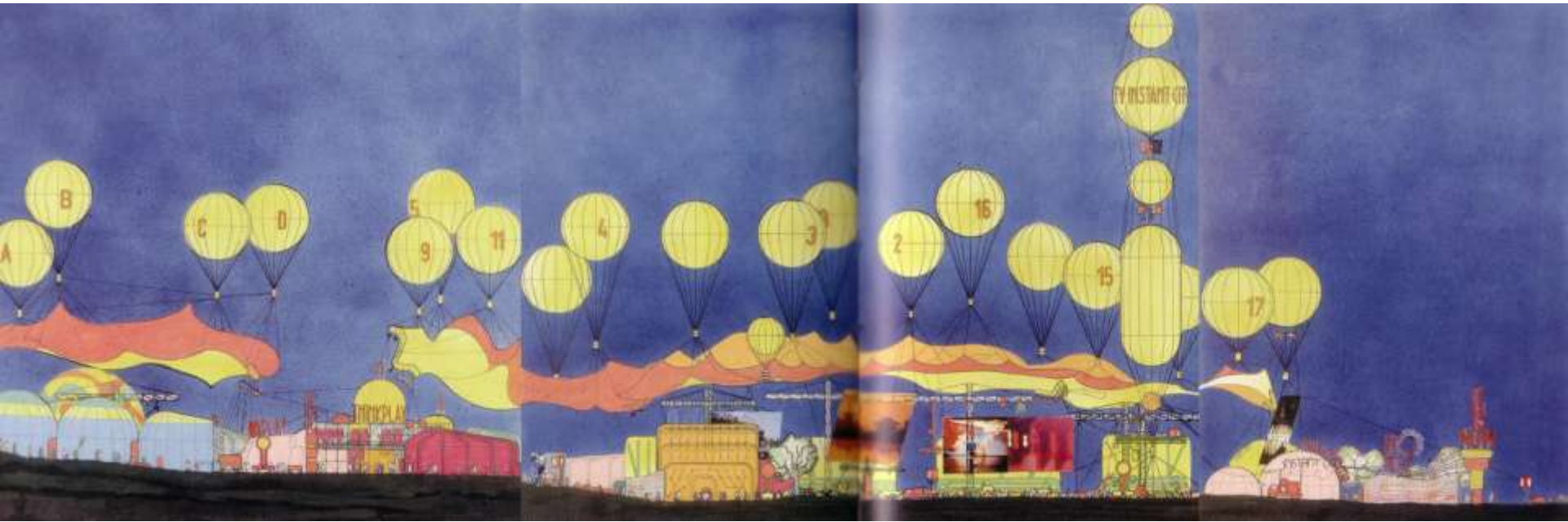
# Walking City, archigram



EACH WALKING UNIT HOUSES NOT ONLY A KEY ELEMENT OF THE CAPITAL, BUT ALSO A LARGE POPULATION OF WORLD TRAVELLER-WORKERS.

## A WALKING CITY

# Instant city, archigram

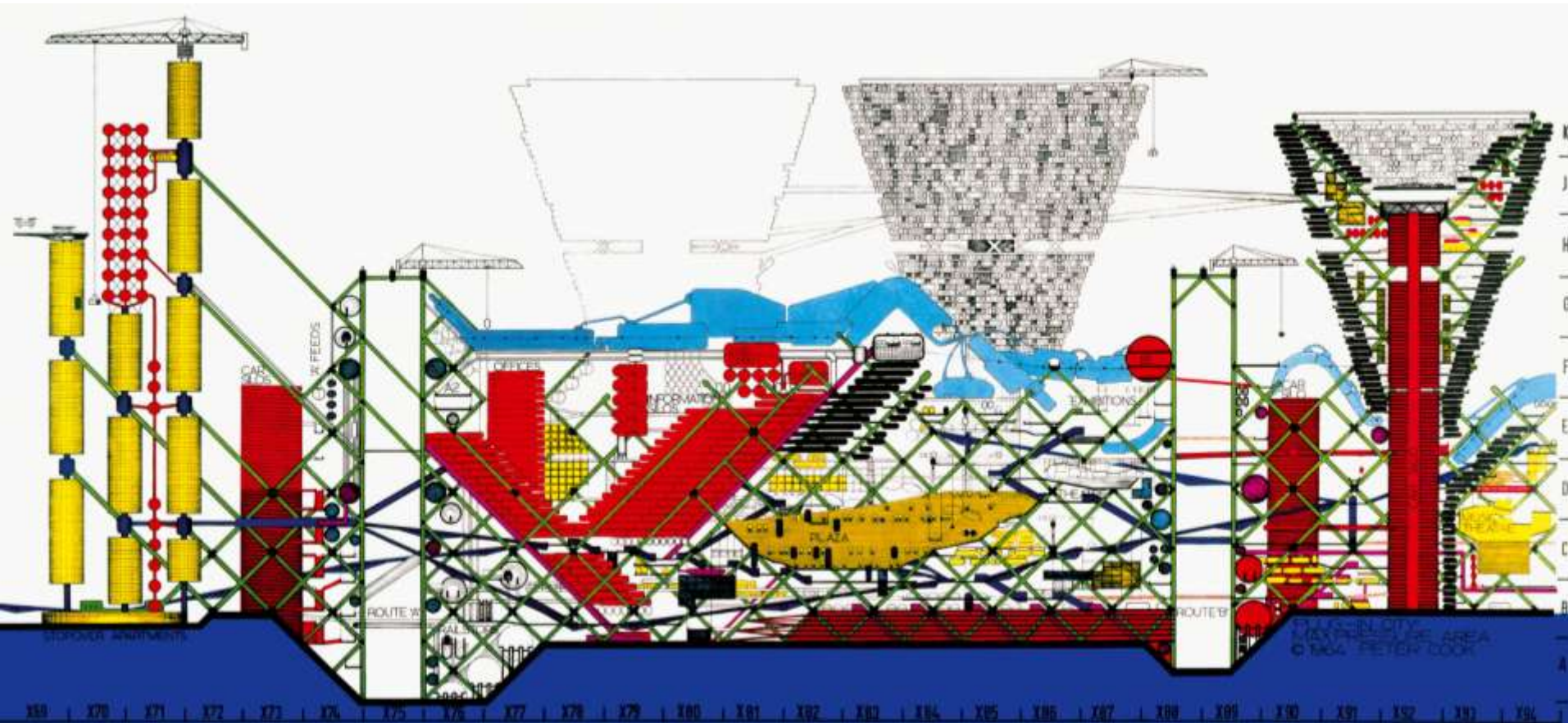




# Instant city, archigram



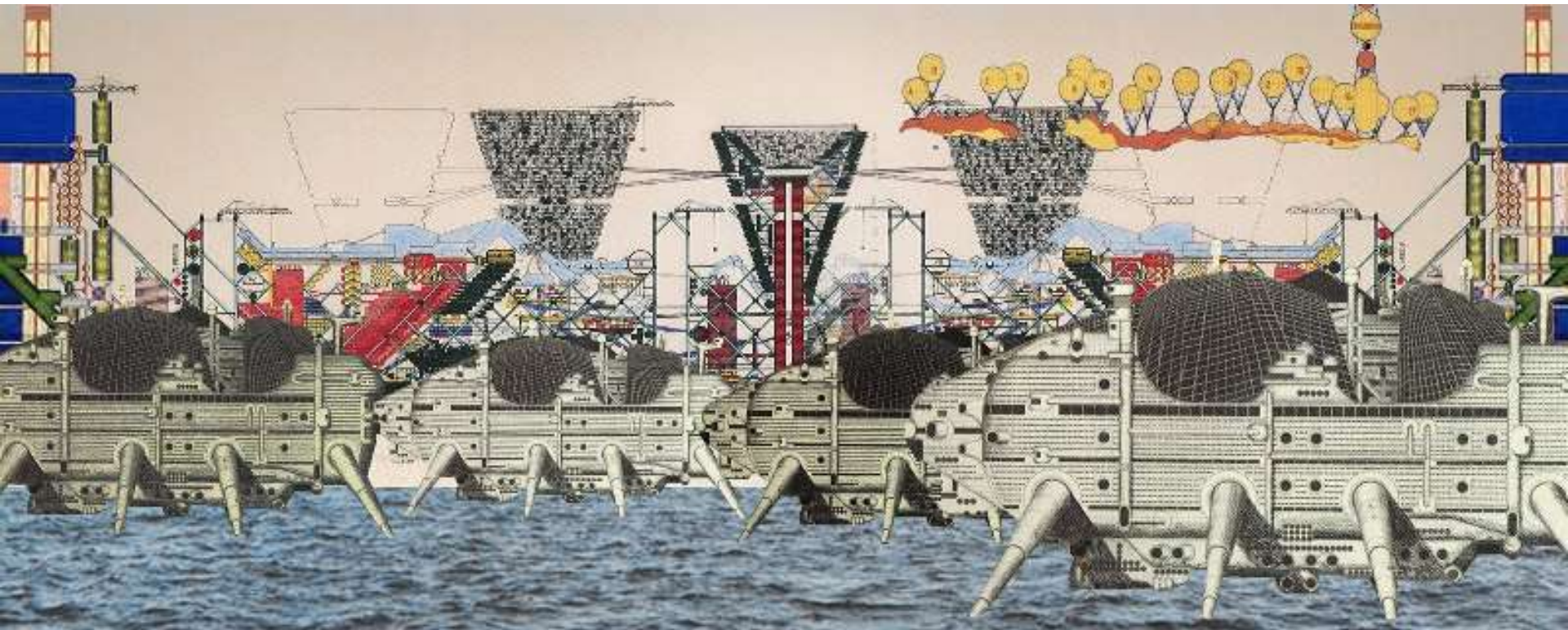
# Plug in city, archigram



Peter Cooke, 1964, Plugin city: μεγαδομές, επικοινωνιακά δίκτυα, υπερτεχνολογικός ουτοπισμός. Σαν εικόνα της unite d'habitation X 103. Κτήρια-κάψουλες. Ωστόσο, αυτή η ουτοπία του '60 εφαρμόστηκε σε κτήριο του Kirusawa που αποτελείται από πολλές κάψουλες.



# archigram



Τεράστια αστική δομή πάνω στη θάλασσα για λύση σε εξάπλωση των πληθυσμών. Προβλέπει την τεράστια τάση αστικοποίησης που θα ακολουθήσει τα επόμενα χρόνια.





Kiyonori  
KIKUTAKE

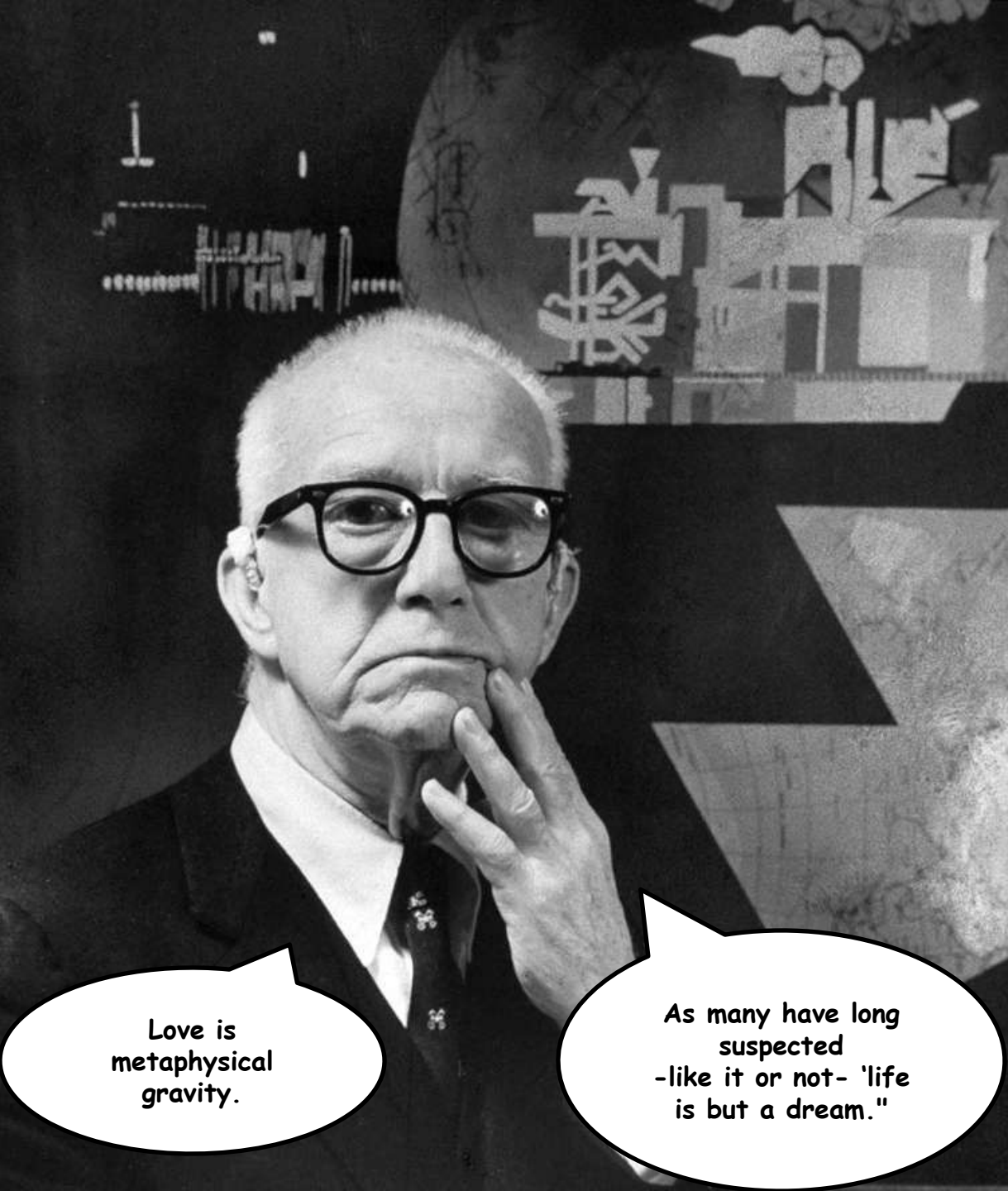


KIYONORI KIKUTAKE, OCEAN CITY , 1962.



KIYONORI KIKUTAKE





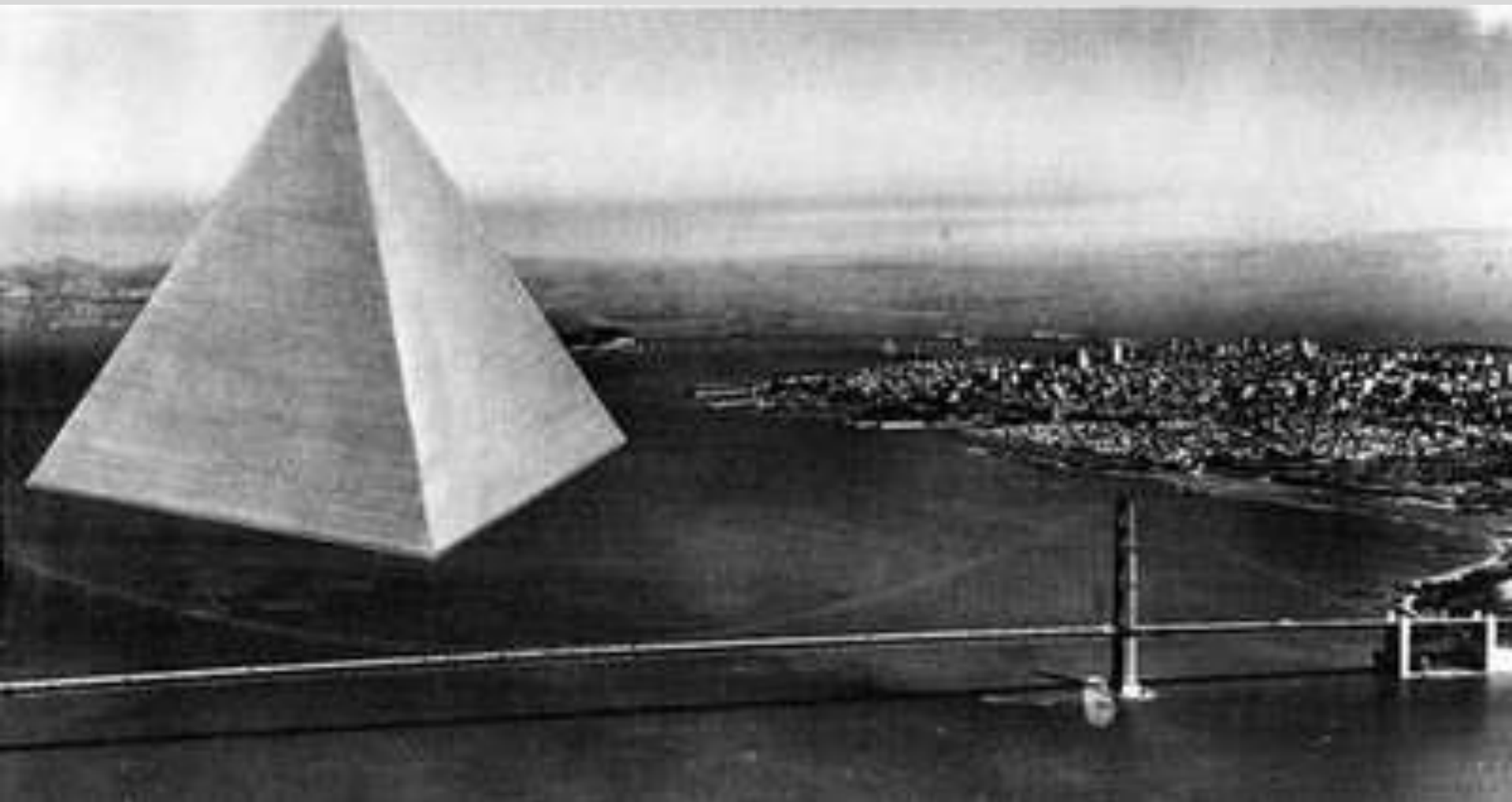
# Buckminster Fuller

1895 - 1983

American architect, systems theorist, author, designer, inventor, and futurist

Love is metaphysical gravity.

As many have long suspected -like it or not- 'life is but a dream.'



PYRAMID OF TETRA CITY © Buckminster Fuller Institute



Richard Buckminster Fuller, Shoji Sadao, Dome over Manhattan  
ca. 1960, Silver gelatine print, 34.9 x 46.7 cm, Courtesy: The Estate of R. Buckminster Fuller



*Cristiano  
Toraldo  
di  
Francia*

*Piero  
Frassinelli*

*Roberto  
Magris*

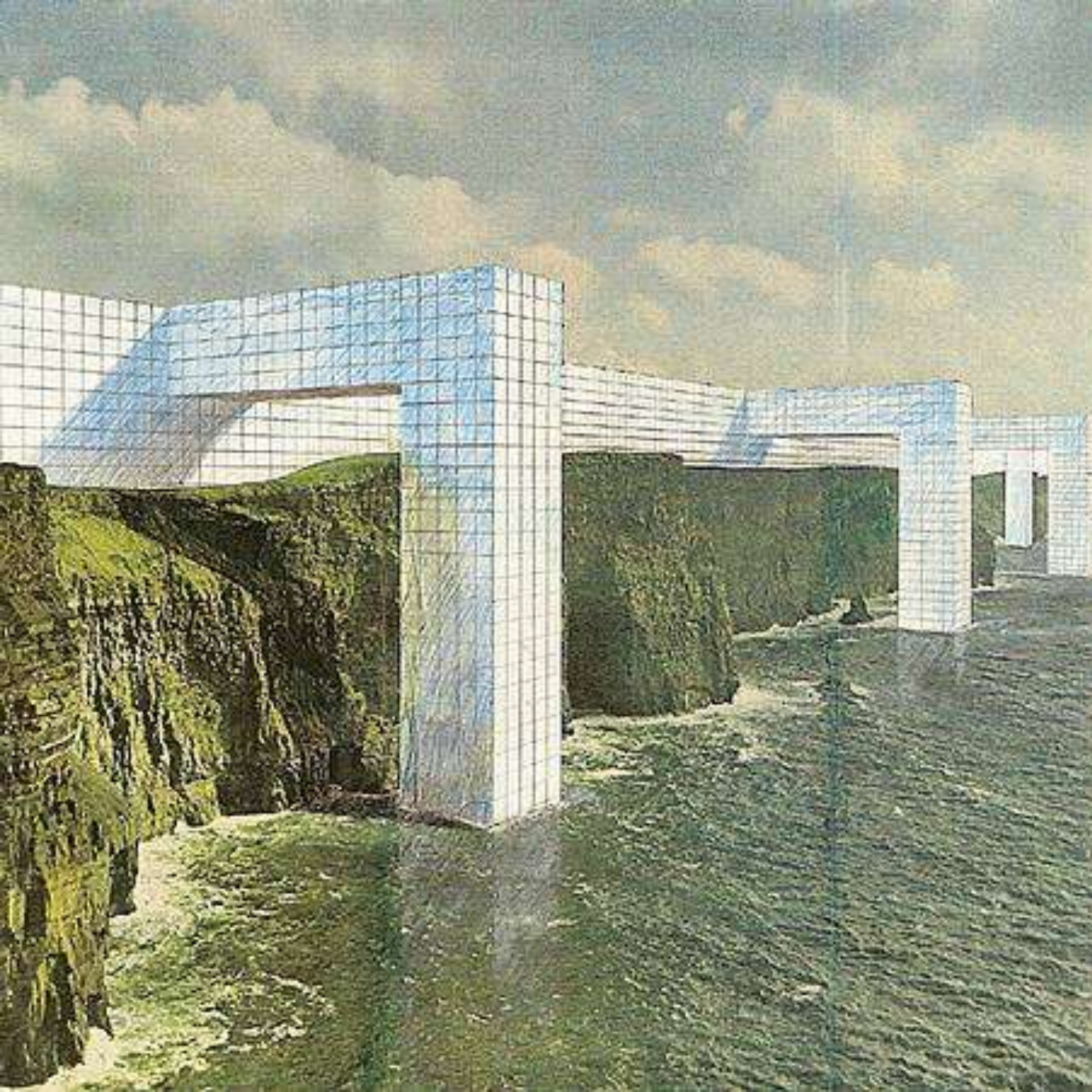
*Adolfo  
Natalini*

*Alessandro  
Magris*

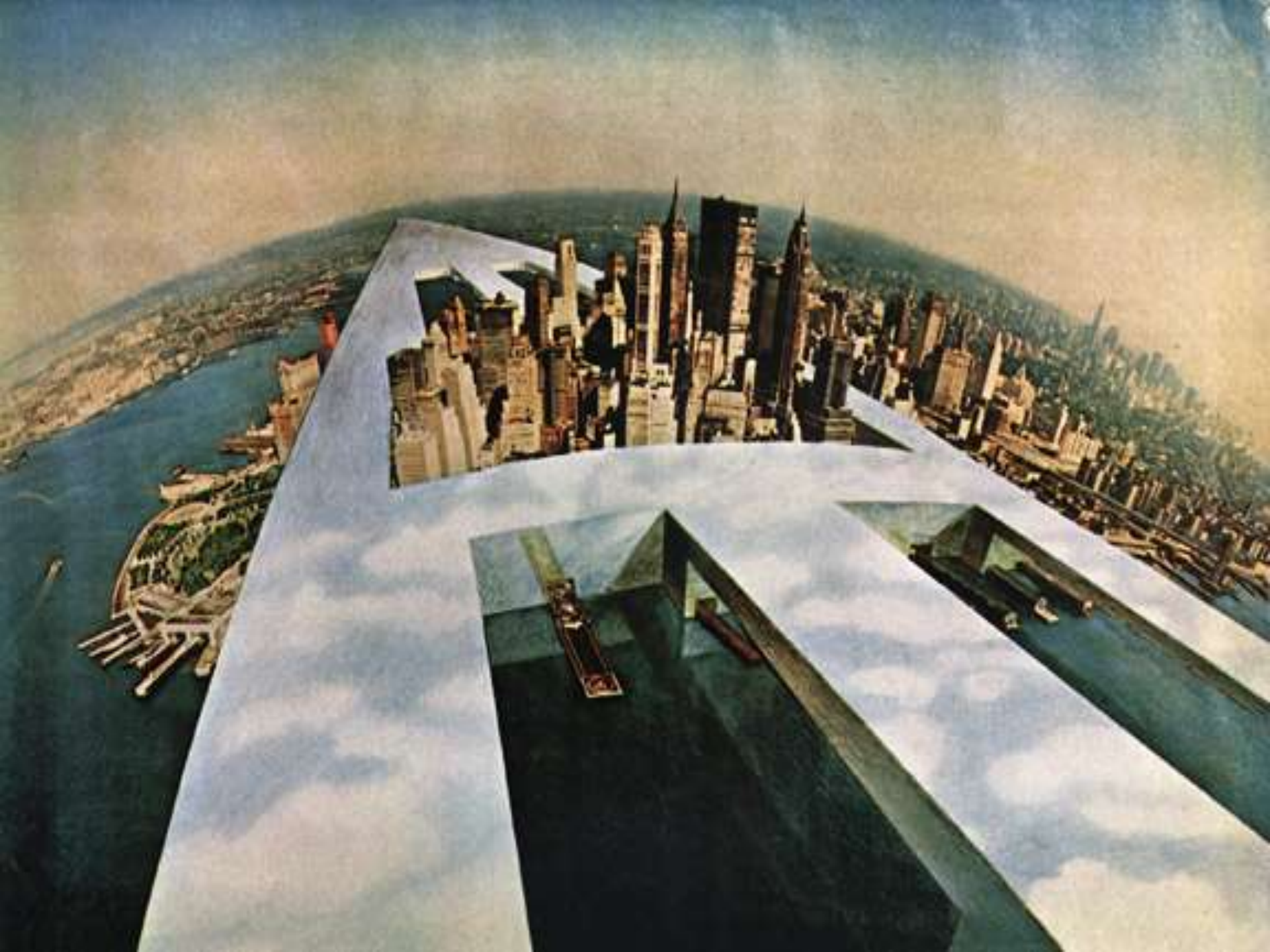


# Super studio

Architecture firm,  
founded in 1966 in  
Florence, Italy by  
Adolfo Natalini  
and Cristiano  
Toraldo di Francia.  
*Other members:  
Piero Frassinelli  
and Roberto and  
Alessandro Magris.*







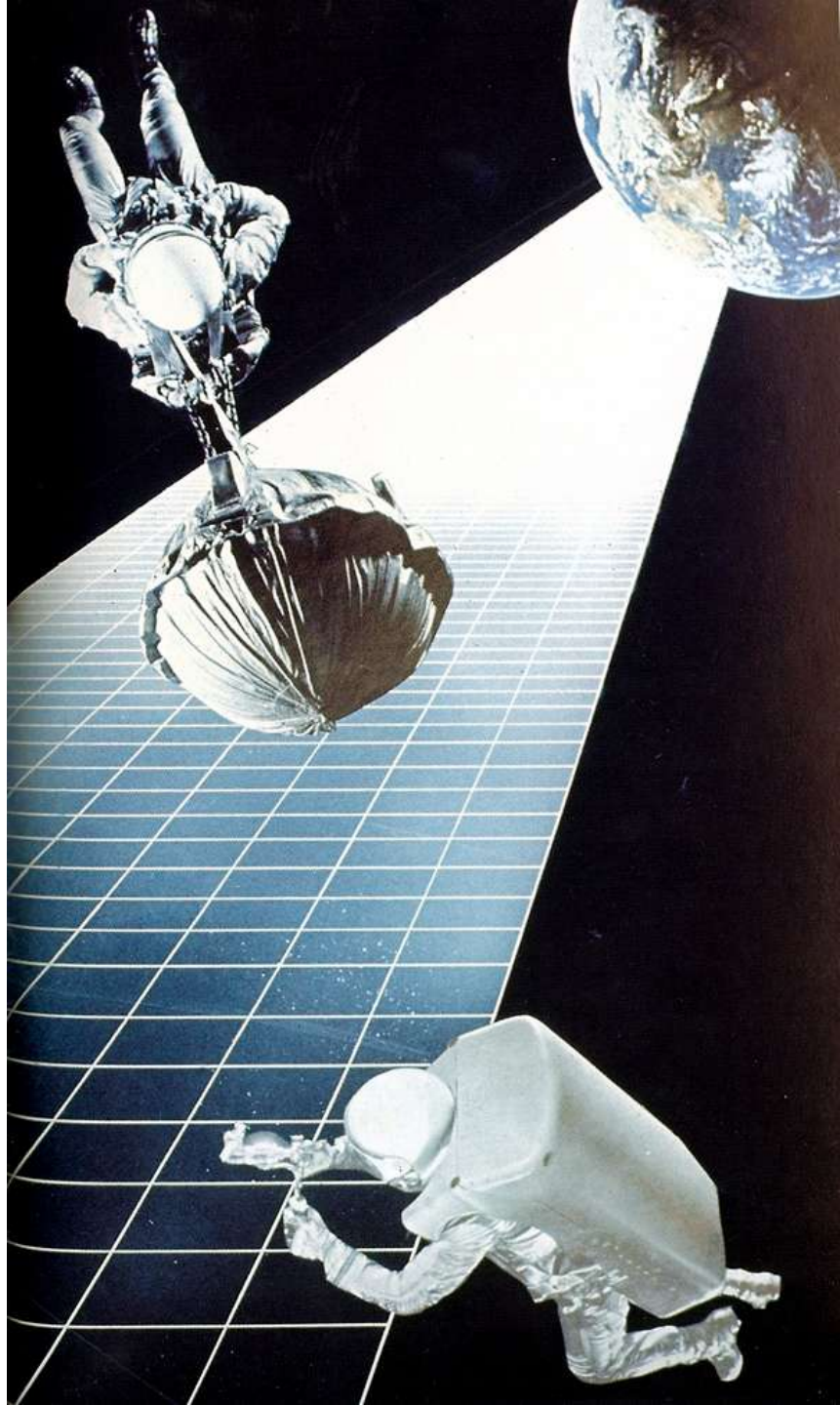




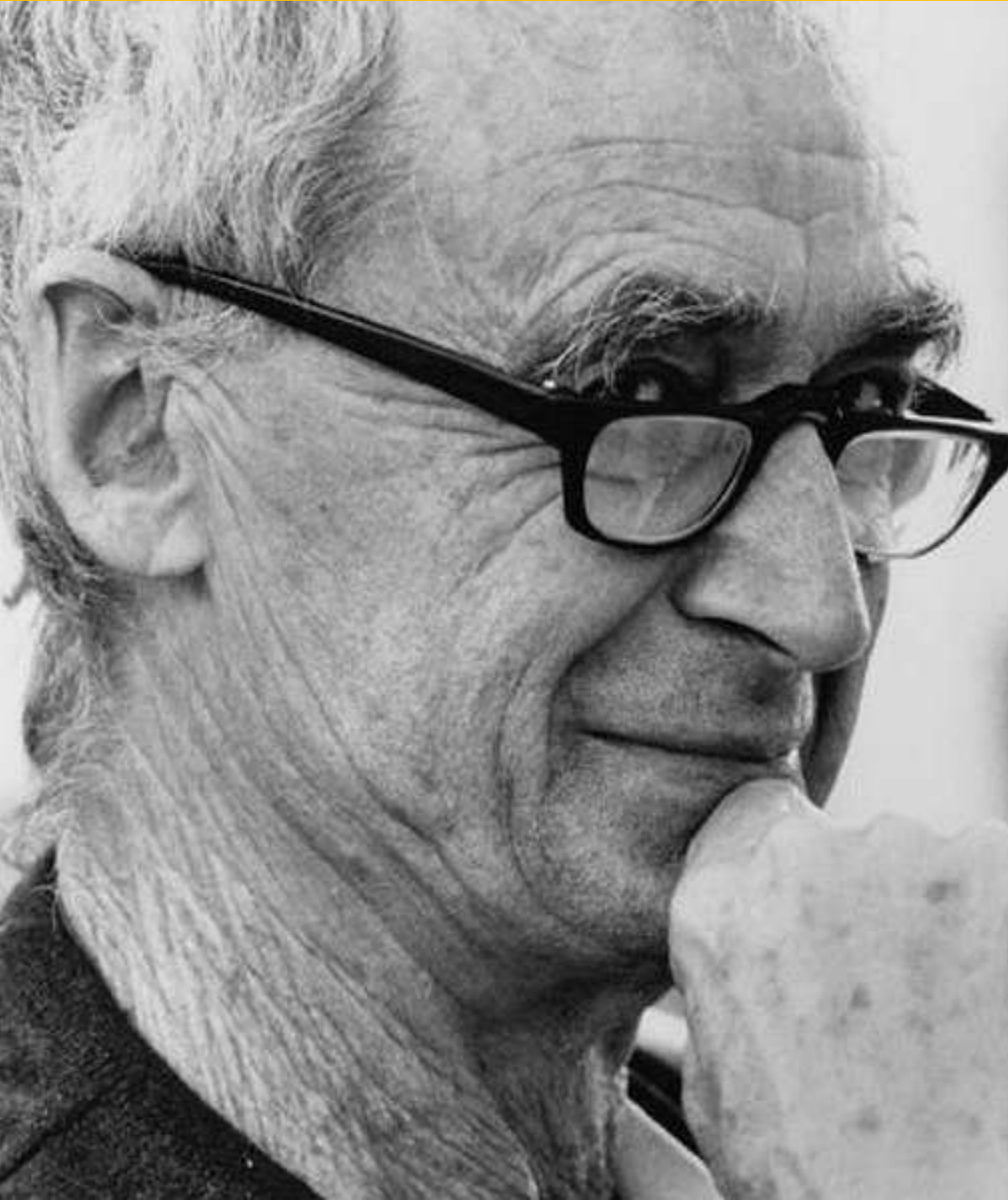




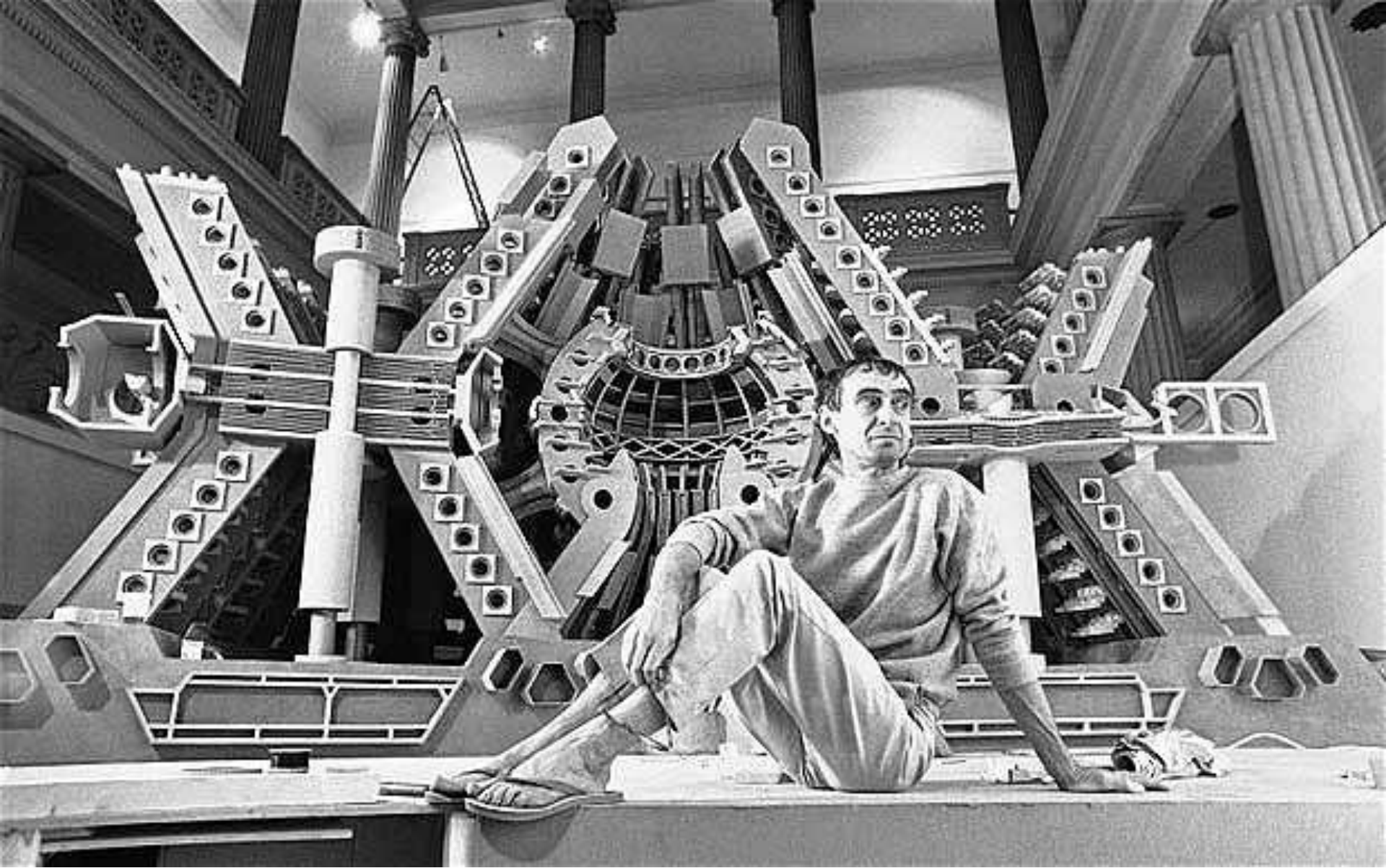






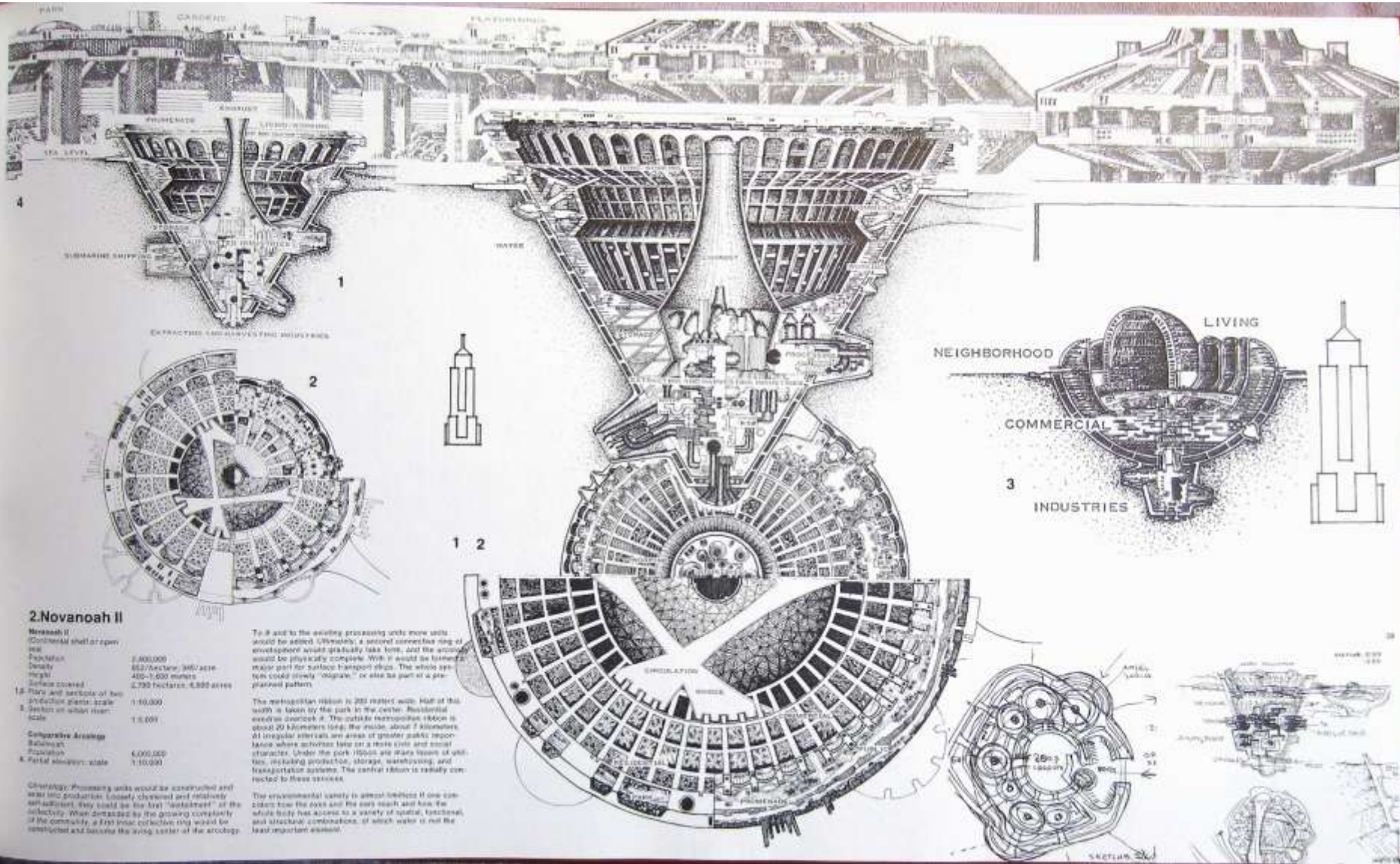


**Paolo *Soleri***  
**1919 -2013**



ο Paulo Soleri σχεδιάζει την πόλη των 6 εκατομμυρίων κατοίκων





**2. Novanoah II**

Novanoah II  
 (Continued shell or open sea)

Population	2,400,000
Density	252.7/m <sup>2</sup> (645/acre)
Height	400-1,600 meters
Surface covered	2,730 hectares, 6,800 acres
1. Floor and sections of two production plants, scale	1:10,000
2. Section of urban form, scale	1:5,000

**Comparative Areaage**

Washington	6,000,000
Frankfurt	1,100,000
4. Total city area, scale	1:10,000

To fit and to the existing processing units more units would be added. Ultimately, a second connective ring of envelope would gradually take form, and the structure would be physically complete. With it would be formed a major part for surface transport lines. The whole system could prove "organic" or else be part of a pre-planned pattern.

The metropolitan ribbon is 200 meters wide. Half of this width is taken by the park in the center. Residential areas are located in the center. The central metropolitan ribbon is about 20 kilometers long, the inner, about 3 kilometers. At irregular intervals are areas of greater public importance where activities take on a more civic and social character. Under the park ribbon are main lines of utilities, including protection, storage, warehousing, and transportation systems. The central ribbon is tightly connected to these systems.

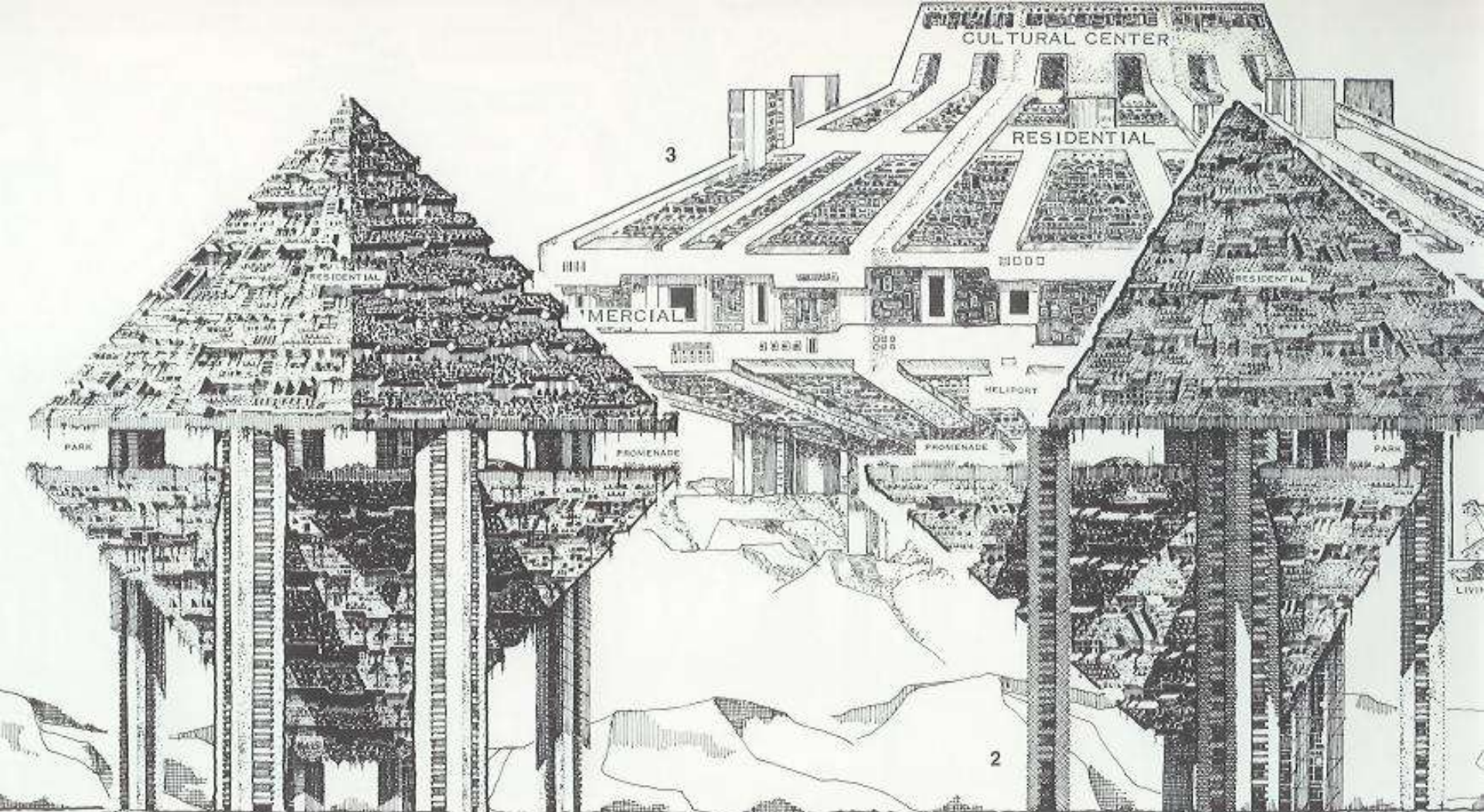
The environmental variety is almost limitless if one considers how the water and the air interact and how the whole body has access to a variety of spatial, functional and structural combinations, of which water is not the least important element.

Chronology: Processing units would be constructed and used into production. Closely clustered and relatively self-contained, they could be the first "neighborhood" of the city. When disturbed by the growing complexity of the community, a first broad collective ring would be constructed and become the living center of the arcology.







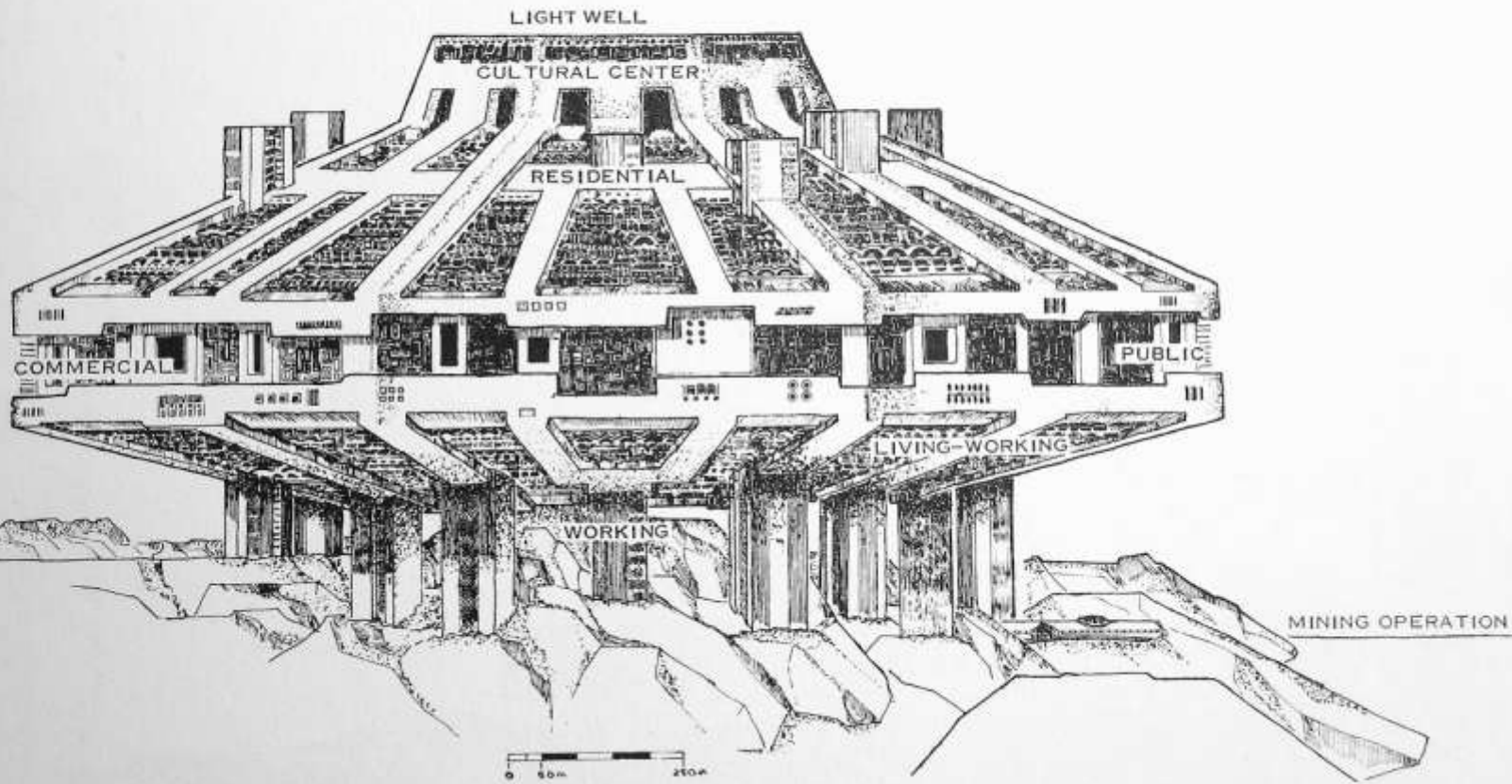


# Hexahedron

<b>1</b>	<b>Hexahedron</b> (Any topography)	
	Population	170,000
	Density	2,264/hectare; 1,200/acre
	Height	1,100 meters
	Side	1 kilometer
	Surface covered	57 hectares; 140 acres
<b>1.</b>	Elevation: scale	1:5,000
<b>2.</b>	Side elevation: scale	1:500
	<b>Comparative Arcology</b>	
	Babel IIC	
	Population	340,000
<b>3.</b>	Elevation: scale	1:5,000

The danger of the pseudo-organic is that man can only metaphysically be defined as one of the many cells combining in the social body because man is not morphologically, seasonally, functionally like a biological cell. The micro-environment that allows the cell to act is a reflection on and a determinant of the cell's own structural and functional characteristics. Exclusive of these characteristics are sight, hearing, smelling, feeling, unpredictability, and so on. It is not that a cell has none of these characteristics but that those that it has are only approximately comparable to the corresponding ones in a complex organism. Then, for instance, to blow up an artery and pretend to run people in it as if they were blood cells is not very logical. It is to take form at face value and miss the substance of the problem and its predicaments.

The organic has defined itself in the long interim between the mineral and the mental, and the beauty of its power is somehow contained there. The organization of the inorganic to construct a container to the condition of man is thus turned upon a specific and not organic structurality, a postorganic structure and indeed a pseudo-structure compared with the miraculous order of the mineral and of the living. This is why such pseudostructures, purely functional and always on the threshold of obsolescence, must find redemption in form, the aesthetic side of compassionate man. Morphologically and structurally, Hexahedron is, like Arcube, a pseudocrystal, its validity would be in the high human and emotional standard textureing it.







TEN REAL ESTATE





πηγές



<http://www.archaiologia.gr/blog/2012/02/13/%CE%B9%CE%B4%CE%B5%CE%BF%CE%B%CE%BF%CE%B3%CE%AF%CE%B1-%CE%BA%CE%B1%CE%B9-%CF%83%CF%87%CE%B5%CE%B4%CE%B9%CE%B1%CF%83%CE%BC%CF%8C%CF%82-%CF%83%CF%84%CE%B1-1920/>

