

Mapping the City of Senses and Meanings

The Work of Three Students of Kevin Lynch at MIT in the 1960's

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The image of Boston, excerpt from *The Image of the City*

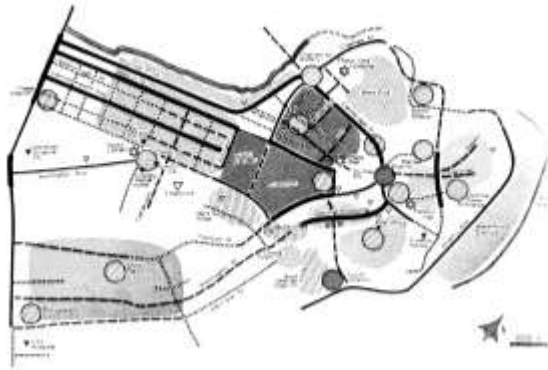


FIG. 35. *The Boston image as derived from verbal interviews*

FIG. 36. *The Boston image as derived from sketch maps*

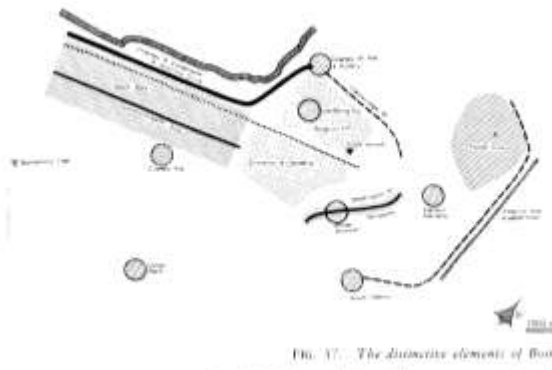
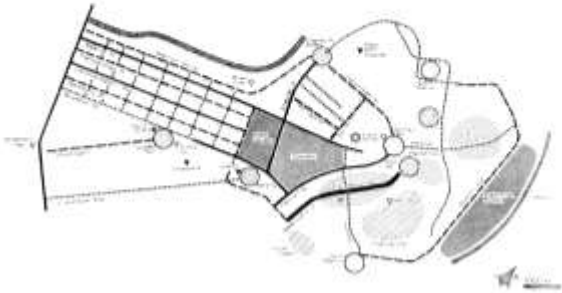
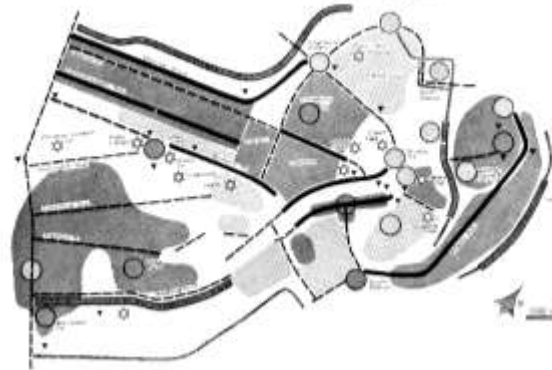
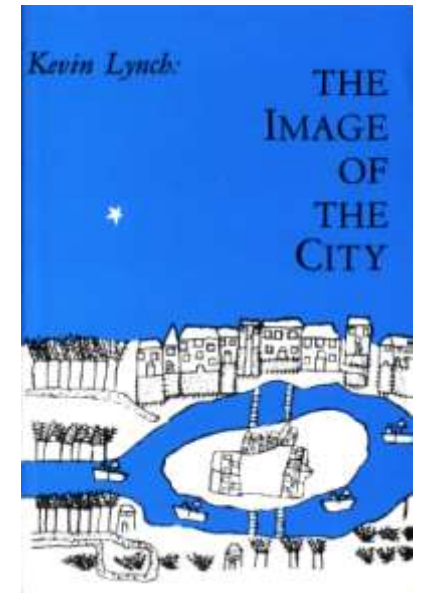


FIG. 37. *The distinctive elements of Boston*

FIG. 38. *The visual form of Boston as seen in the field*



Kevin Lynch at Cambridge (Mass.) in 1981



Kevin Lynch, *The Image of the City*, Cambridge (Mass.), The MIT Press, 1960.

Kevin Lynch, the author of *The Image of the City*



The Massachusetts Institute of Technology, Cambridge (Mass.)



1. Donald Appleyard (in 1974)



2. Carl Steinitz

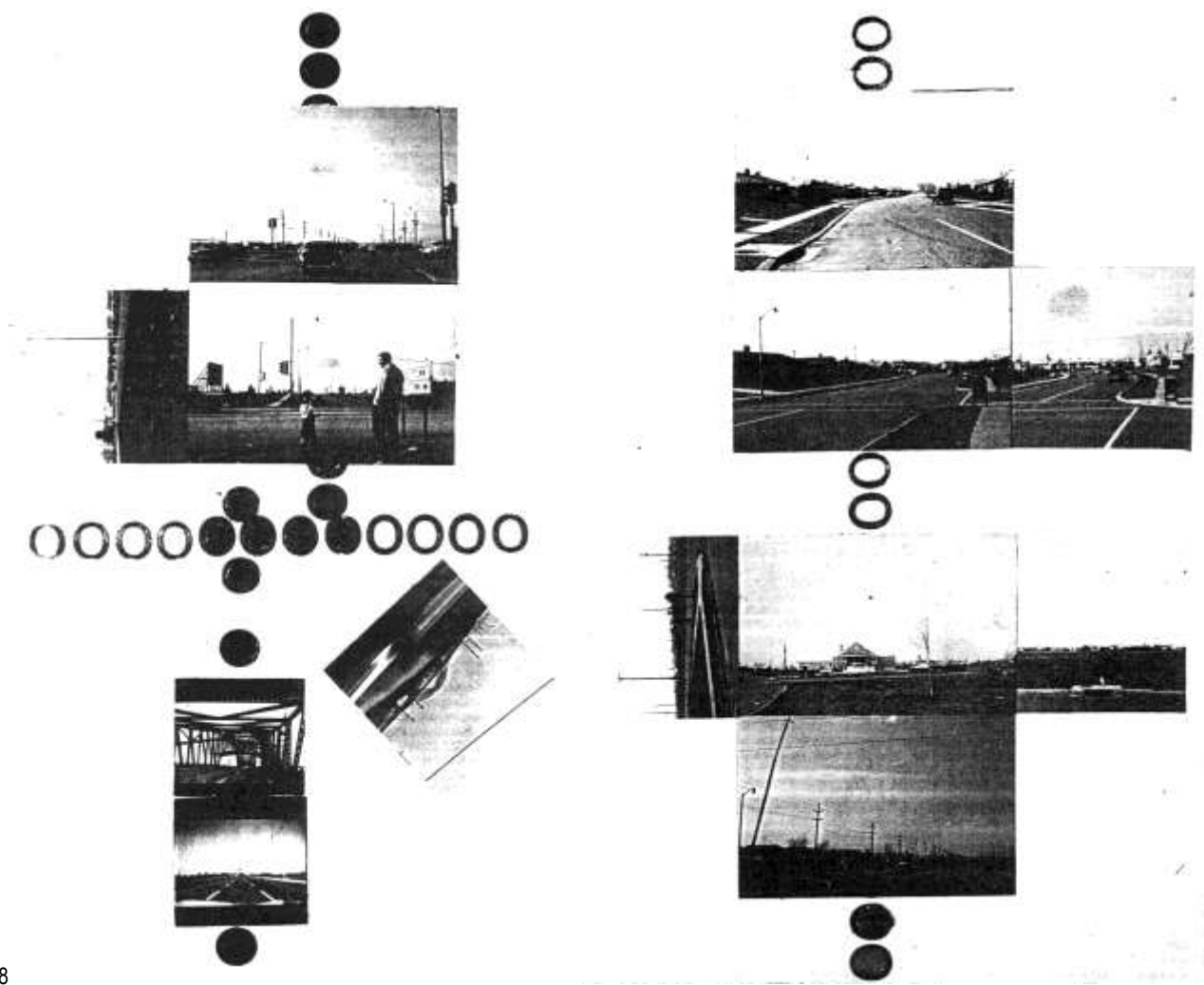


3. Michael Southworth

Three students of Kevin Lynch:

Kevin Lynch, teacher and researcher at MIT

1. Donald Appleyard: making imagibility operational

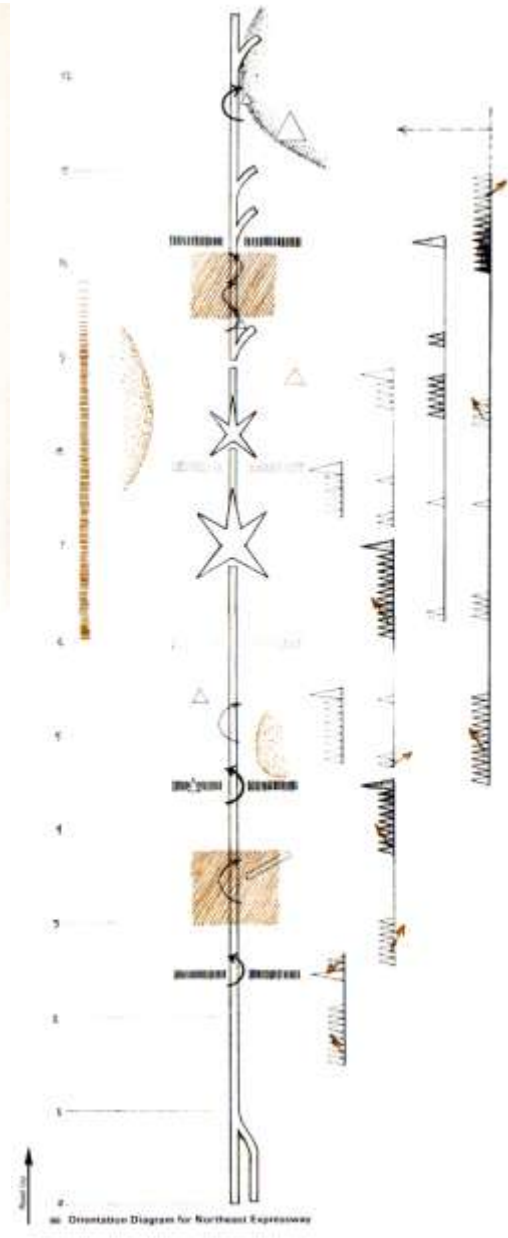
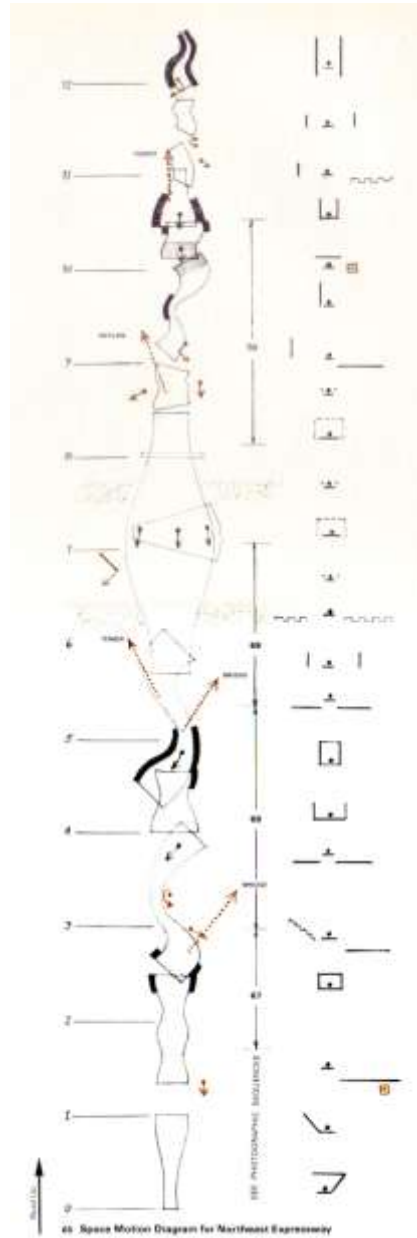


Donald Appleyard, *Towards an Imageable Structure for Residential Areas*, thesis, MIT 1958

From visual sequences to mental image: the first attempts in Appleyard's thesis

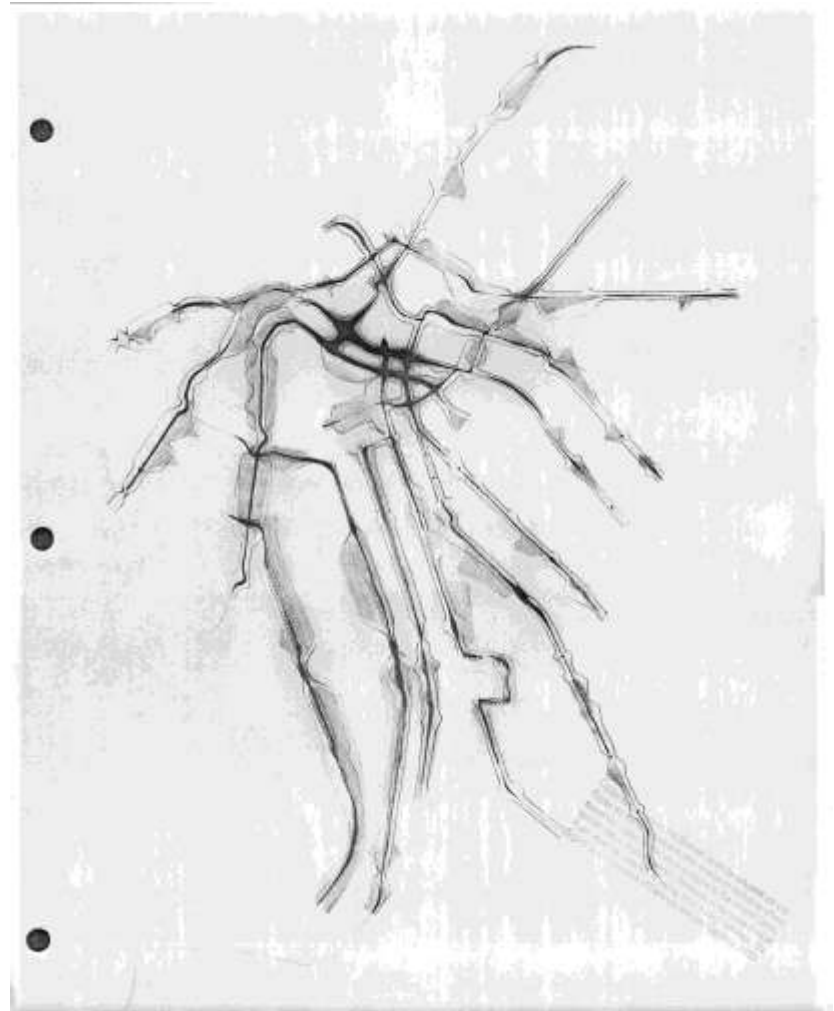
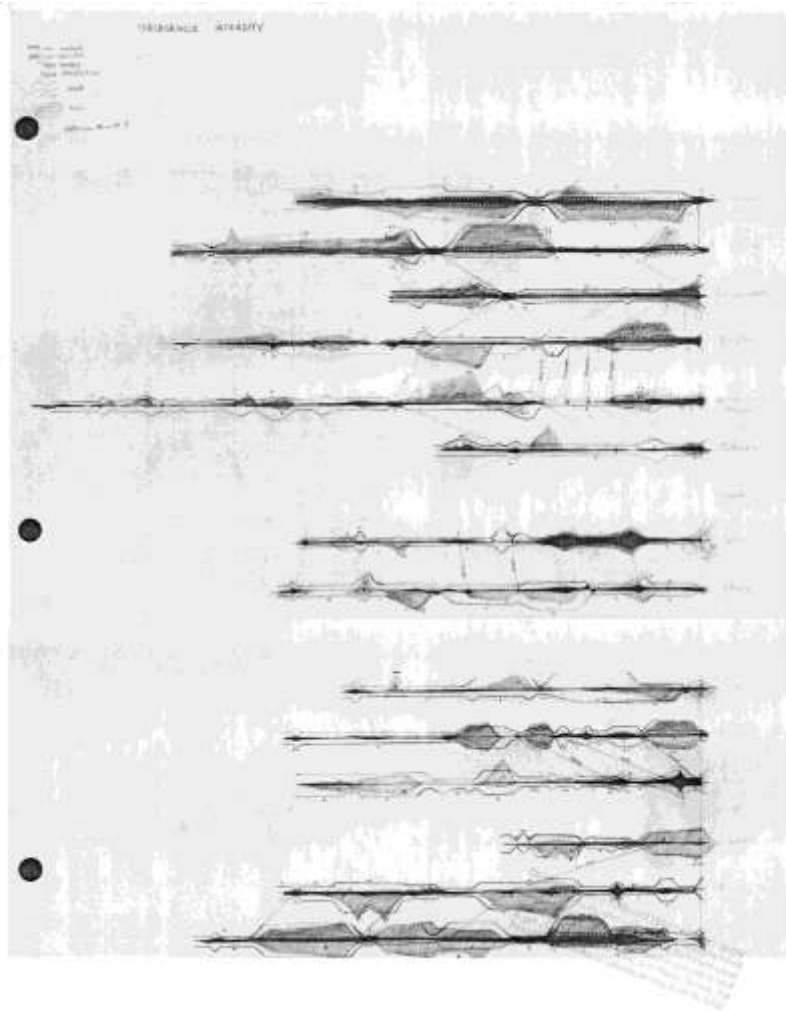


Recording of the sequences of the Northeast Expressway in
 Donald Appleyard, Kevin Lynch & John R. Myer, *The View from the Road*,
 Cambridge (Mass.), The MIT Press, 1964.



The recording system in *The View from the Road*

Donald Appleyard, « Boston Street System », draft, Donald Appleyard Collection, BANC MSS 83/165c, Bancroft Library, University of California at Berkeley.



The final attempt to record the whole *Boston Street System*

2. Carl Steinitz or “scientifying” the method

Carl Steinitz, "Meaning and the Congruence of Urban Form and Activity", *Journal of the American Institute of Planners* vol34 no3 (July 1968), pp. 233-248.

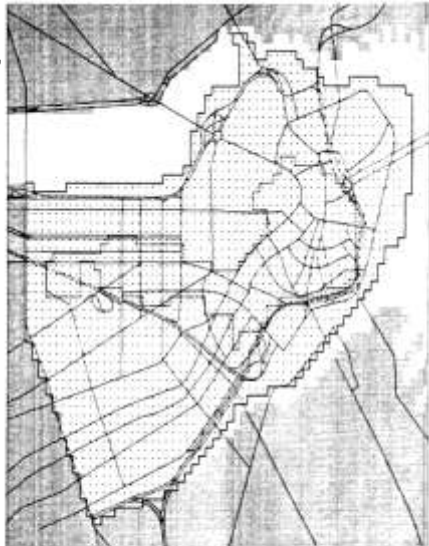


FIGURE 1 *Base Map of the Study Areas*



FIGURE 24 *Form Type (Interview)*

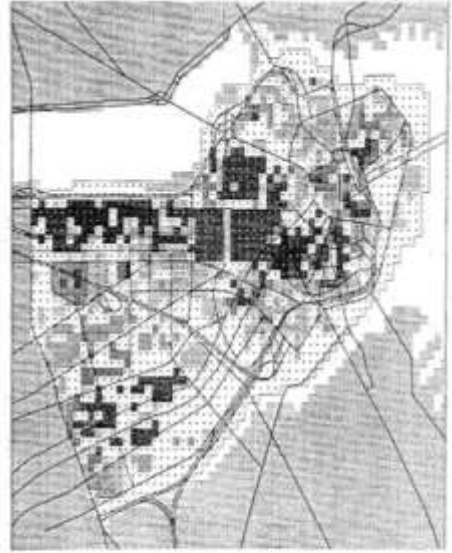


FIGURE 25 *Activity Type (Interview)*



FIGURE 27 *Activity Intensity (Interview)*

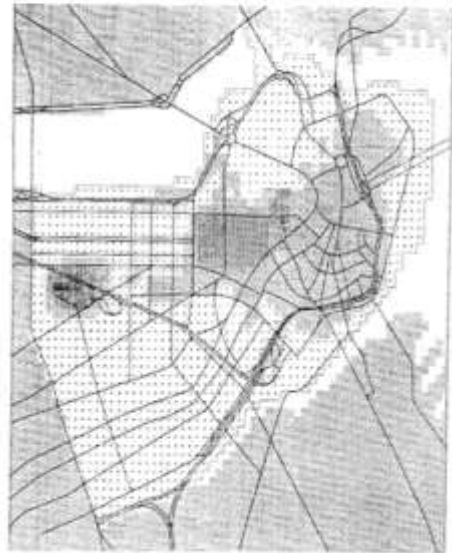
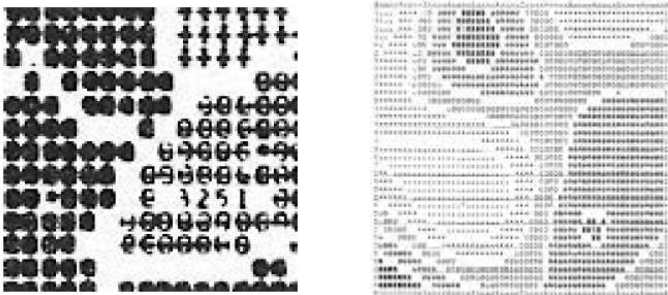


FIGURE 28 *Form Exposure (Interview)*

The SYMAP computer software, one of the firsts GIS, created by Howard Fischer, founder of Harvard's Laboratory for Computer Graphics



The use of computer to made a "scientific" maps: SYMAP

INTERVIEW FINDINGS

Slash (/) indicates no cases

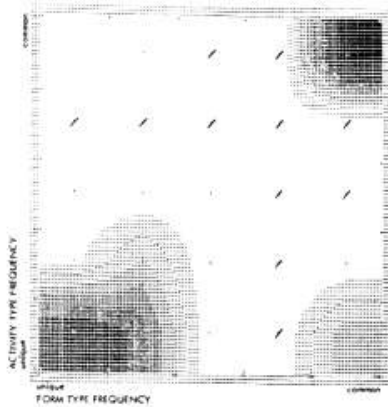


FIGURE 30 *Type Responses Per Place (Distributed and Normalized for Surveyed Form Type Frequency and Activity Type Frequency)*

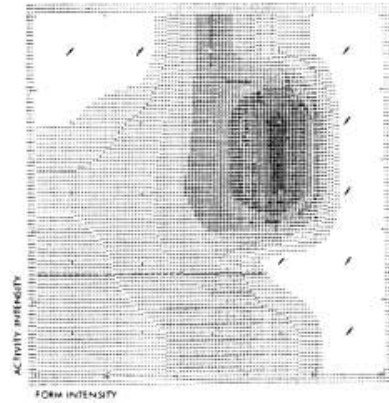


FIGURE 31 *Intensity Responses Per Place (Distributed and Normalized for Surveyed Form Intensity and Activity Intensity)*

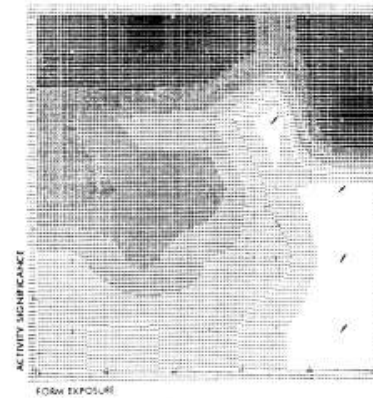


FIGURE 32 *Significance Responses Per Place (Distributed and Normalized for Surveyed Form Exposure and Activity Significance)*

Carl Steinitz, "Meaning and the Congruence of Urban Form and Activity", *Journal of the American Institute of Planners* vol34 no3 (July 1968), pp. 233-248.

GRAPHIC ANALYSIS



FIGURE 33 *Form Type Analysis*

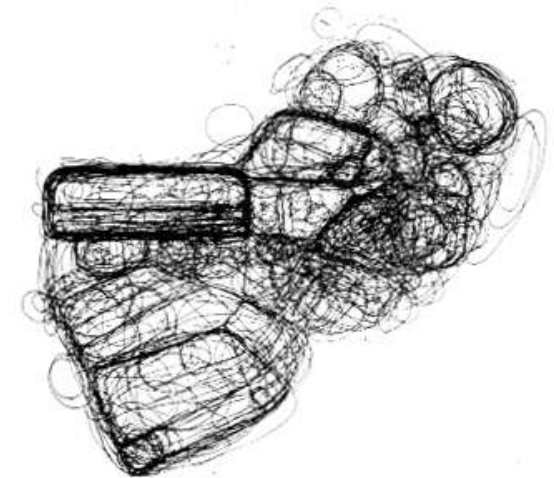


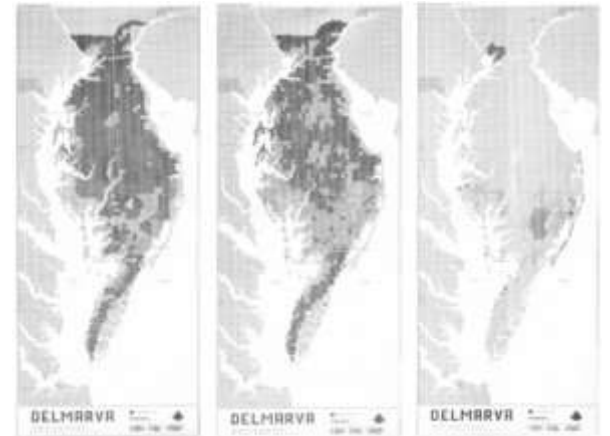
FIGURE 34 *Activity Type Analysis*

Between abstraction and graphic means

Carl Steinitz (left), junior professor at the Graduate School of Design with his students

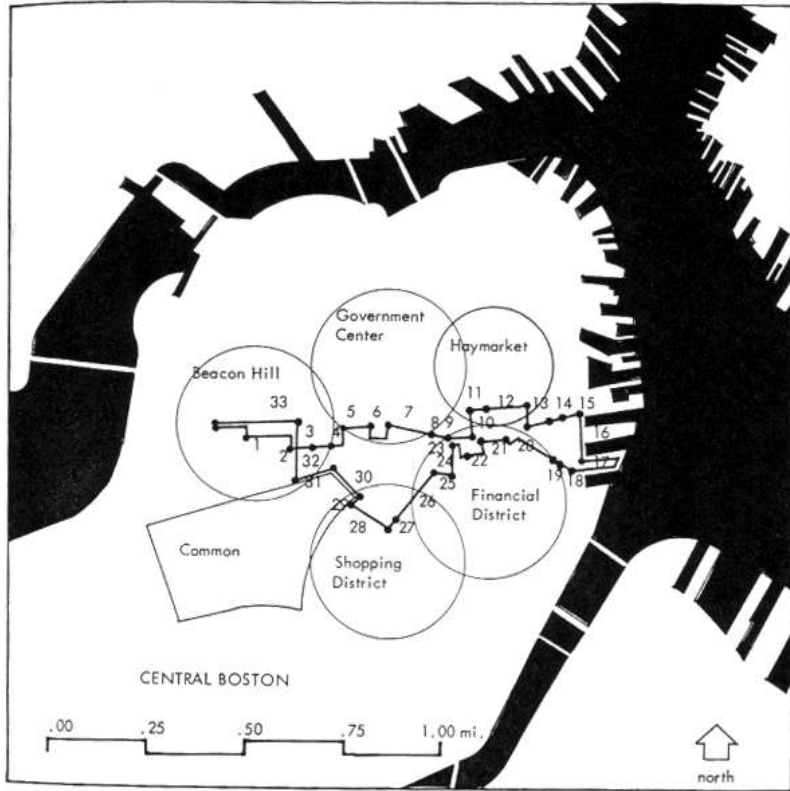


The Delmarva Study, the first regional plan using a computer



Steinitz as a pioneer in computerized mapping

3. Michael Southworth and the imaginability through other senses



- | | | |
|----------------------------|-----------------------------|-----------------------|
| 1. Pinckney Street | 12. South Market Street | 23. Quaker Lane |
| 2. Joy Street | 13. U.S. Customs Tower area | 24. Devonshire Street |
| 3. State House Tunnel | 14. Central Artery | 25. Spring Lane |
| 4. State House parking lot | 15. State Street | 26. Washington Street |
| 5. Ashburton Place | 16. Atlantic Avenue | 27. Filene's Corner |
| 6. Pemberton Square | 17. India Wharf | 28. Winter Street |
| 7. Scollay Square | 18. Central Artery | 29. Park Station |
| 8. Court Street | 19. India Street garage | 30. Park Street |
| 9. Old State House | 20. U.S. Customs Tower area | 31. State House |
| 10. Change Avenue | 21. Doane Street | 32. Joy Street |
| 11. Faneuil Hall | 22. Exchange Place | 33. Myrtle Street |

Figure 1 The Trip

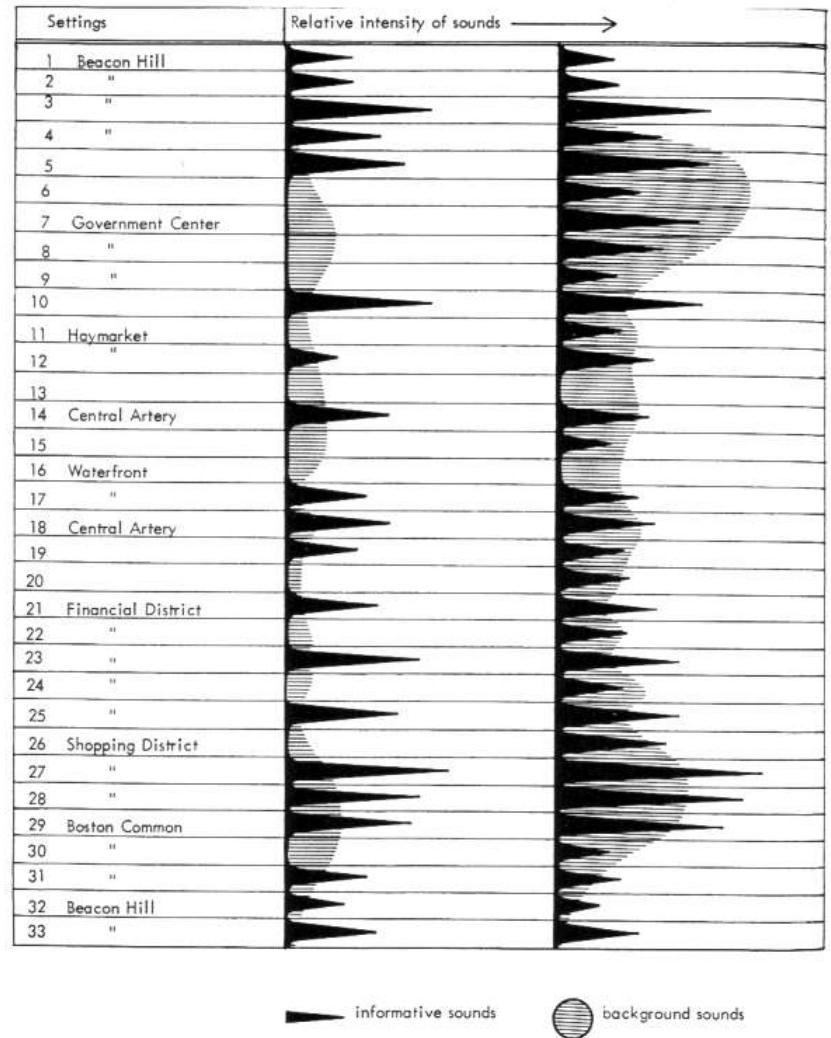


Figure 4 Temporal Change in Sounds

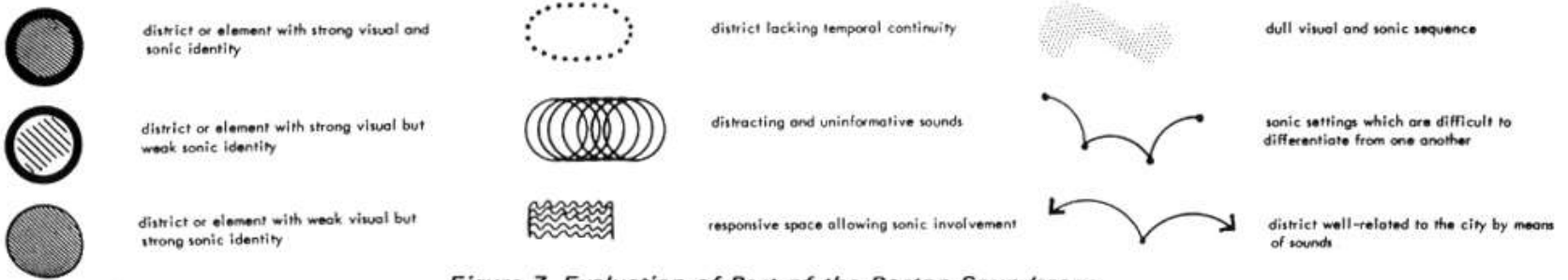
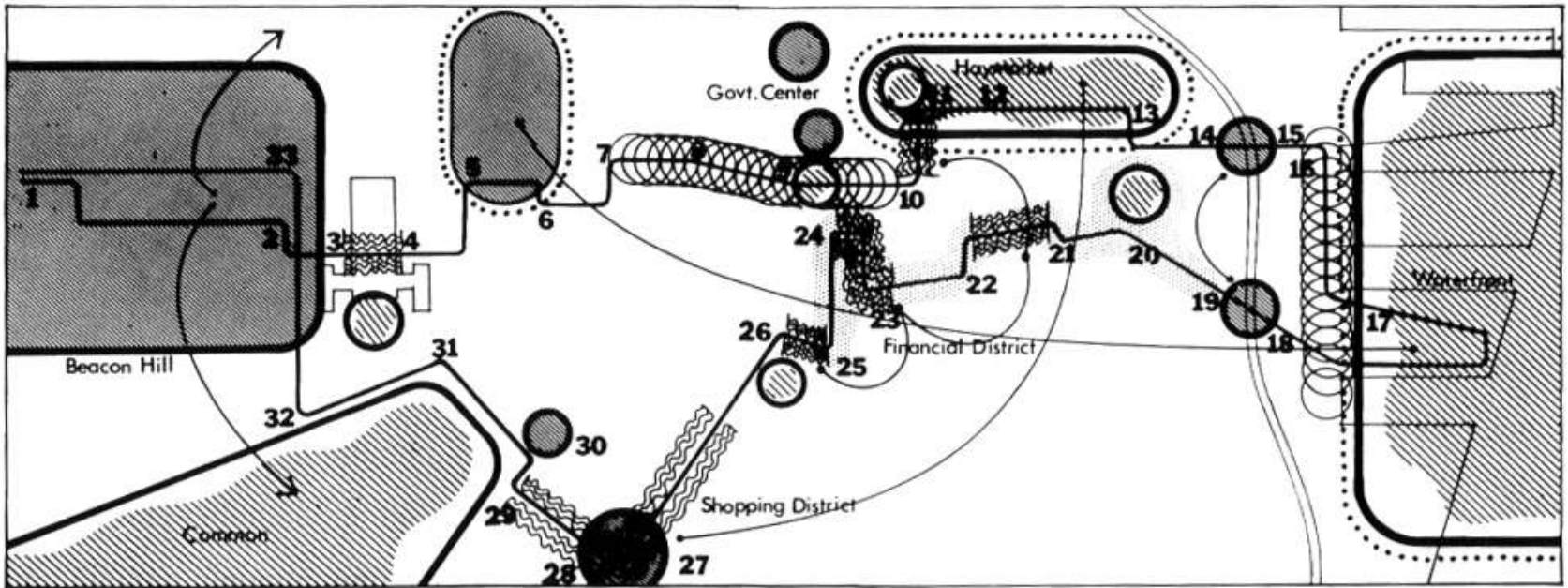
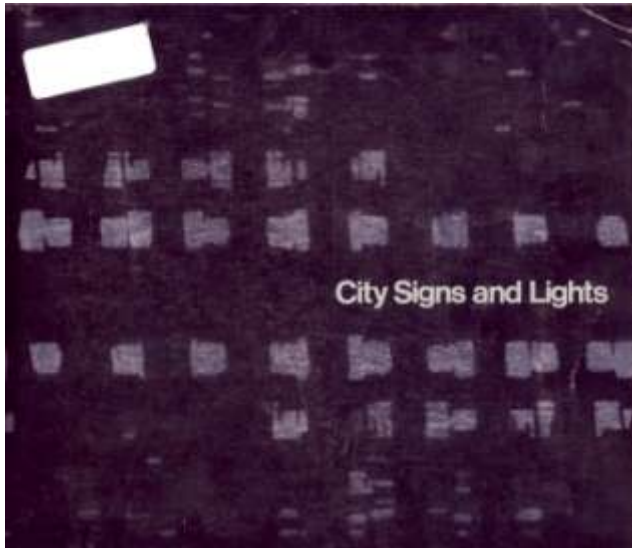


Figure 7 Evaluation of Part of the Boston Soundscape



Stephen Carr (dir.), *City Signs and Lights: A Report*, Cambridge (Mass.), The MIT Press, 1973.

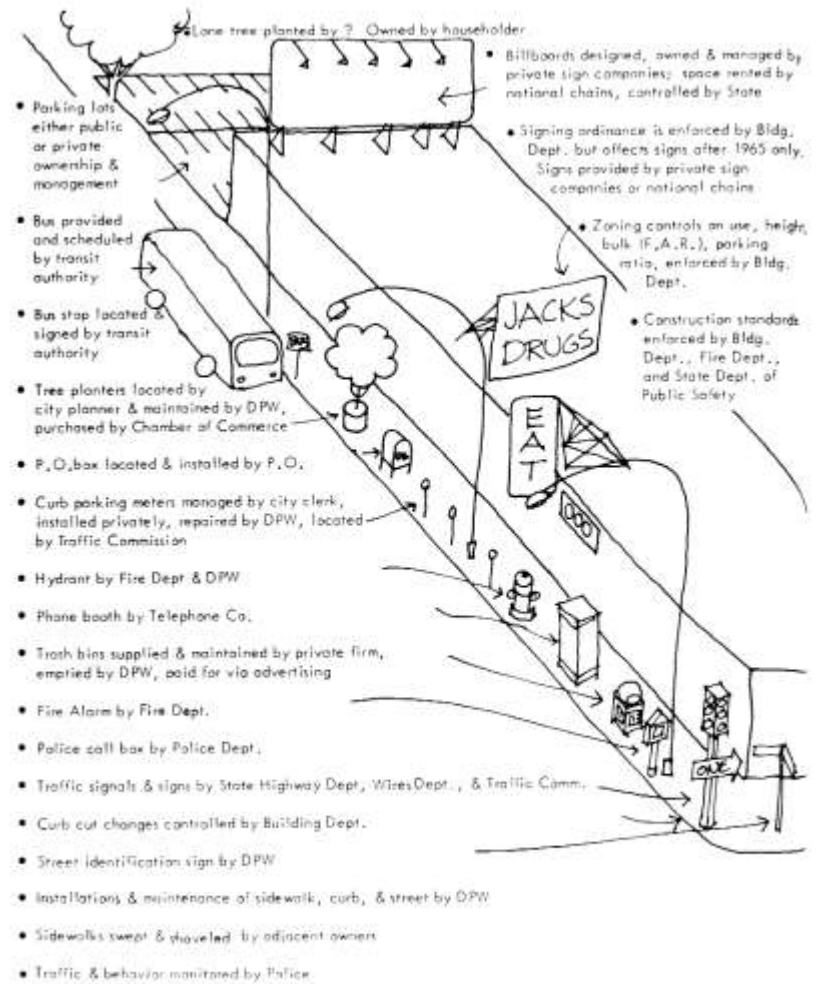


Figure 7 Management of Main Street

Kevin Lynch and Michael Southworth, *Managing the Strip*, unpublished report, 1974.