



RESEARCH PAPERS IN GEOGRAPHY

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**STUDY OF URBAN EXPANSION IN THE CITY OF RIYADH
VIA THE USE OF AERIAL MOSIACS AND REMOTELY-
SENSED IMAGES (1950-1989)**

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ABSTRACT

This study has two main objectives:

1. The construction of a series of computerized digital maps indicating the urban expansion of the city of Riyadh and the precise measurements of the city's builtup area and changes thereof during the period extending from 1950 to 1989.
2. Ascertaining the variables which may have been related significantly to that expansion.

For the first objective, the writer depended on a series of Aerial mosaics and remotely-sensed space images to construct the computerized maps of both the urban expansion and the road networks, making use of the "Intergraph" system. Simple regression analysis was used for the second objective. Population size and the size of the national budget were found to be significantly related to Riyadh's urban expansion.