OVERLAP TO LINE IN MOUNTING

## EXPLANATION

—6— Average elevation contours on the surface of the solid earth. Contour interval 20 and 100 meters. Contours are labeled in hundreds of meters. The interval in western one-third of country is five times greater than in eastern two-thirds. Line of demarcation between the two areas is the continuous 500-meter contour extending from the Canadian to the Mexican border.

AVERAGING METHOD AND CONSTRUCTION OF MAP

The average elevation (E) of a 3 x 3 array of 15-minute quadrangles was computed counting the center quadrangle twice, i. e.

$$\begin{matrix} E_1 & E_2 & E_3 \\ E_4 & E_5 & E_6 \\ E_7 & E_8 & E_9 \end{matrix}$$

$$E = 0.1\ (E_1 + E_2 + E_3 + E_4 + 2E_5 + E_6 + E_7 + E_8 + E_9)$$

E was computed at 15-minute intervals and the resulting numbers machine plotted at the center of each 15-minute quadrangle. These numbers were then hand contoured.

SOURCE OF DATA

The average elevations were obtained in 1975 from a data file maintained by the Defense Mapping Agency, St. Louis, Missouri. The file contains average elevations for 5-minute quadrangles.

Base from U.S. Geological Survey

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# AVERAGE ELEVATION MAP OF THE CONTERMINOUS UNITED STATES (GILLULY AVERAGING METHOD)

By
W. H. Diment and T. C. Urban
1981

For sale by the Branch of Distribution, U.S. Geological Survey, 1200 South Eads Street, Arlington, VA 22202, and Branch of Distribution, U.S. Geological Survey, Box 25286, Federal Center, Denver, CO 80225