



## The Transactions of the Provincial Medical and Surgical Association

By -

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 38 pages. Original publisher: Menlo Park, CA : U. S. Dept. of the Interior, U. S. Geological Survey, 2000. OCLC Number: (OCoLC)49313927 Subject: Buildings -- Earthquake effects -- Measurement. Excerpt: . . . VI. UTILIZATION OF DATA FROM INSTRUMENTED STRUCTURES VI. 1 General Seismic monitoring of structural systems constitutes an integral part of the National Earthquake Hazard Reduction Program in the United States and similar programs in other countries. Recordings of the acceleration response of structures have served the scientific and engineering community well and have been useful in assessing design analysis procedures, improving code provisions and in correlating the system response with damage. Table 1 summarizes some of the uses for the data from instrumented structures. Unfortunately, only a few damaged structures have been instrumented in advance to perform studies of the initiation and progression of damage during strong shaking ( e. g. Imperial County Services Building during the 1979 Imperial Valley earthquake, Rojahn and Mork, 1981 ). In the future, instrumentation programs should consider this deficiency. Jennings ( 1997 ) summarizes this view as follows: As more records become available and understood, it seems inevitable that...



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