

[Similar Matter Filed During Past Session —
See Senate No. 1049 of 1982]

SENATE No. 1429

By Mr. Reilly, a petition (accompanied by bill, Senate, No. 1429) of Martin T. Reilly for legislation relative to legislation in Springfield and Fall River concerning two building trades groups within the state. Public Service.

The Commonwealth of Massachusetts

In the Year One Thousand Nine Hundred and Eighty-three.

AN ACT RELATIVE TO LEGISLATION IN SPRINGFIELD, FALL RIVER
CONCERNING TWO BUILDING TRADES GROUPS WITHIN THE STATE.

Be it enacted by the Senate and House of Representatives in General Court assembled, and by the authority of the same, as follows:

- 1 Tradesmen— Department of Public Buildings Tradesman
- 2 Association, Building Trades Counsel Association — that all
- 3 trades within the Tradesman Council will have parity with the
- 4 electricians as it relates to retirement pension fund.

THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT

PHYSICS 351

PROBLEM SET 1

Due: Monday, September 10, 2012

1. A particle of mass m moves in a potential $V(x) = \frac{1}{2}kx^2$. Find the energy levels.

2. A particle of mass m moves in a potential $V(x) = \frac{1}{2}kx^2 + \frac{1}{4}bx^4$. Find the energy levels.

3. A particle of mass m moves in a potential $V(x) = \frac{1}{2}kx^2 + \frac{1}{4}bx^4 + \frac{1}{6}cx^6$. Find the energy levels.

4. A particle of mass m moves in a potential $V(x) = \frac{1}{2}kx^2 + \frac{1}{4}bx^4 + \frac{1}{6}cx^6 + \frac{1}{8}dx^8$. Find the energy levels.