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UNITED STATES DEPARTMENT OF AGRICULTURE
Bureau of Agricultural Economics
Tobacco Section

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CORRECTION OF ERROR IN APRIL 1 TOBACCO STOCKS REPORT.

In checking over the April 1, 1932 Tobacco Stocks Report we find that 3,917,000 pounds of tobacco was incorrectly reported as One-Sucker, U. S. Type 35, when it should have been reported as Southern Maryland, U. S. Type 32. The detailed report by groups of grades of these two types should read as follows:

U. S. TYPE 32.--SOUTHERN MARYLAND

Group	NEW CROP		OLD CROP		April 1 Group Totals 1000 lbs.
	Unstemmed 1000 lbs.	Stemmed 1000 lbs.	Unstemmed 1000 lbs.	Stemmed 1000 lbs.	
B	7,035	-	-	-	7,035
C	9,238	1,386	1	-	10,625
X	1,548	57	3	1	1,609
S	22	-	-	-	22
N	268	-	-	-	268
Total	18,111	1,443	4	1	19,559

U. S. TYPE 35.--ONE SUCKER

A	1,456	-	-	-	1,456
B	17,325	1	2	1	17,329
C	12,147	-	44	-	12,191
X	12,152	116	2	-	12,270
S	769	-	-	-	769
N	1,091	-	-	-	1,091
Total	44,940	117	48	1	45,106

Attention is also called to an error in the January 1, 1932 report. Due to an error in tabulation the stocks of the A group of Type 12, Eastern North Carolina Flue-cured, were reported as 1,223,000 pounds. The correct figure for stocks of the A group of Type 12 on January 1, 1932 is 200,000 pounds. The correct figure for stocks of the B group of Type 12 on January 1, 1932 is 71,868,000 pounds.

PHYSICS 551 - QUANTUM MECHANICS

PROBLEM SET 10

1. A particle of mass m is confined to a one-dimensional infinite potential well of width L .

(a) Find the ground state wave function $\psi_1(x)$ and the corresponding energy E_1 .

(b) Find the first excited state wave function $\psi_2(x)$ and the corresponding energy E_2 .

(c) Calculate the expectation value of the position $\langle x \rangle$ for the ground state.

(d) Calculate the expectation value of the momentum $\langle p \rangle$ for the ground state.

(e) Calculate the expectation value of the energy $\langle E \rangle$ for the ground state.

(f) Calculate the expectation value of the position $\langle x \rangle$ for the first excited state.

(g) Calculate the expectation value of the momentum $\langle p \rangle$ for the first excited state.

(h) Calculate the expectation value of the energy $\langle E \rangle$ for the first excited state.

(i) Calculate the expectation value of the position $\langle x \rangle$ for the second excited state.

(j) Calculate the expectation value of the momentum $\langle p \rangle$ for the second excited state.

(k) Calculate the expectation value of the energy $\langle E \rangle$ for the second excited state.

(l) Calculate the expectation value of the position $\langle x \rangle$ for the third excited state.

(m) Calculate the expectation value of the momentum $\langle p \rangle$ for the third excited state.

(n) Calculate the expectation value of the energy $\langle E \rangle$ for the third excited state.

(o) Calculate the expectation value of the position $\langle x \rangle$ for the fourth excited state.

(p) Calculate the expectation value of the momentum $\langle p \rangle$ for the fourth excited state.

(q) Calculate the expectation value of the energy $\langle E \rangle$ for the fourth excited state.

(r) Calculate the expectation value of the position $\langle x \rangle$ for the fifth excited state.

(s) Calculate the expectation value of the momentum $\langle p \rangle$ for the fifth excited state.

(t) Calculate the expectation value of the energy $\langle E \rangle$ for the fifth excited state.



