

Nov - Dec

Paid for by H. J. Hall

Pd chk # 132  
18 Dec 1972

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	6.	0	0	
	2	0	2	
	3.	7	8	
1	9.	0	0	
	5.	0	0	
	9.	0	0	
	2.	5	0	
4	7.	3	0	T

received \$19.00  
for stamps



llg

14 December 1972

Received of Tracy Hall

\$5.00 as payment for blueprint paper.

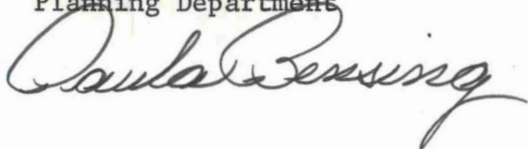


ROSS J. MCARTHUR  
Technology Department

December 14, 1972

Received by H. Tracy Hall the sum of \$9.00 for the  
payment of 18 blue prints.

Physical Plant  
Planning Department

A handwritten signature in cursive script, appearing to read "Paula Bessing". The signature is written in dark ink and is positioned below the typed department name.



## Student Exams

HJH

what is the approximate diameter of atoms in Å?

what is the approximate diameter of atomic nuclei in cm?

what is the isotope of hydrogen of mass 2 called?

H.G.J. Mosely used x-rays to determine atomic number. (T/F)

List Avagadro's number.

$\text{Fe}^{++}$  is larger than  $\text{Fe}^{+++}$ . (T/F)

one mole of hydrogen<sup>gas</sup> contains the same number of molecules as one mole of chlorine gas. (T/F)

what does A equal if  $Z = 24$  and  $N = 13$ ?

which has the longer wavelength: x-rays, blue light, red light?

Electromagnetic radiation travels faster than sound. (T/F)

The speed (velocity) of electromagnetic radiation equals the product of wavelength and frequency. (T/F)

The number of wave crests passing a fixed point per second is the frequency of the radiation. (T/F)

write the expression relating  $E$ ,  $h$ , and  $\nu$  as regards a single quantum of radiation. (Due to Max Planck)

write Einstein's simple equation relating  $E$ ,  $m$ , and  $c$ .

Einstein explained the photoelectric effect. (T/F)