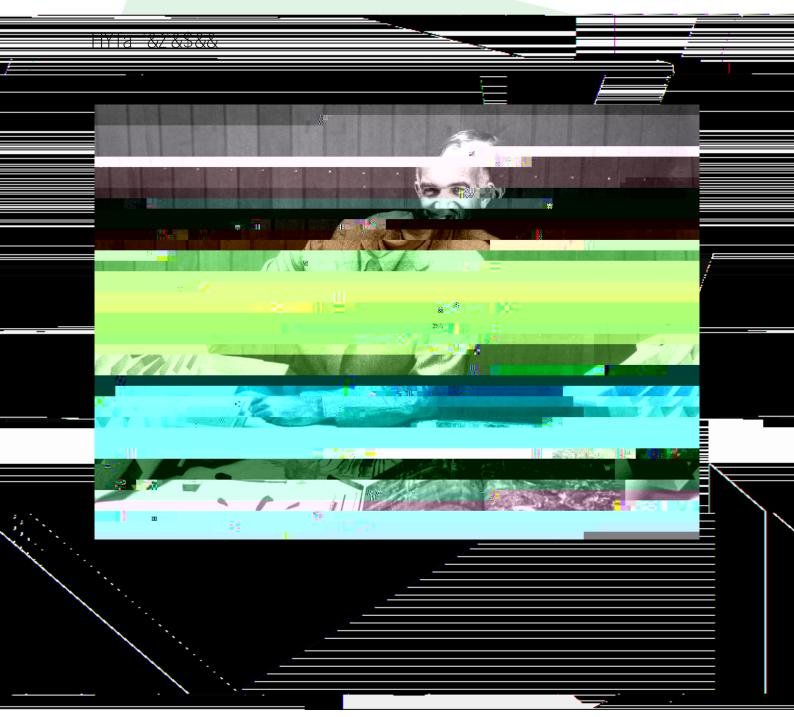


HUMS1010

91 dYf]YbW]b['h\Y'GmXbYm'C dYfU'< ci gY



7ci fgY[·]Cj Yfj]Yk

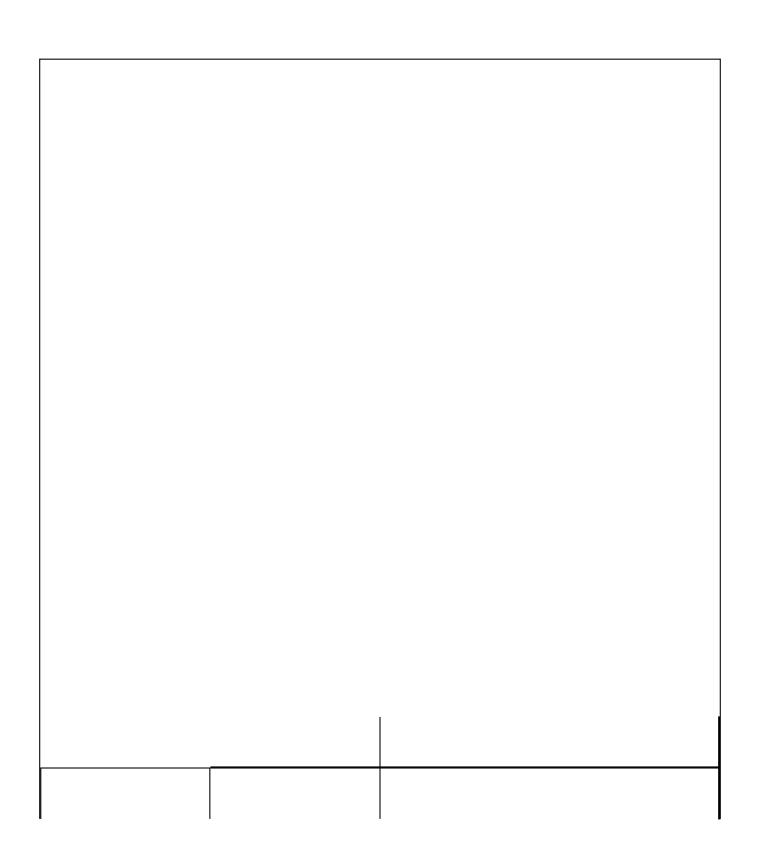
GhJZZ 7 cbhJWh 8 YhJ] `g

7cbj Ybcfg

BUa Y	9a U]`	5j U]`UV]`]lm	@cWUh]cb	D\cbY
7 Uh\ '9``]g	WUth "Y``]g4 i bgk "YXi "Ui	H\i fgXUm [*] &!' da	' %/>	

5W_bck `YX[Ya YbhcZ7ci bhfm

5ggYgga Ybh



	7 ca d`YhY`Uh``YUghcbY`gY`ZdUWYX``YUfb]b[`UW¶j]hm cZmci f`VXc]WY"
GYa]bUf	5HYbX'kYV]bUf'cf'fYj]Yk'fYWcfX]b[g
<ca cf_<="" td="" yk=""><td>7 ca dcgY`U`fYZYW¶jY`YbHfmZcf`mcif`df]jUHY `YUfb]b[`'&ifbU``V`c["</td></ca>	7 ca dcgY`U`fYZYW¶jY`YbHfmZcf`mcif`df]jUHY `YUfb]b[`'&ifbU``V`c["
5ggYgga Ybh	Gi a a UHjj Y. ZjbU`dUHWkcf_fYZYWJcb'YggUm gi Va]gg]cb
5ggYgga Ybh	DUHWkcf_fYZYWgcb

Fygci fWyg

DfYgWf]VYX F Ygci fWYg

 $\label{thm:condition} $$H\YfY^TUfY^Tk\ c\ Vcc_g'h\ UfY^fYei\]fYX^fYUX]b[\ ^T&f'h\]g'Wci\ fgY'''Mci\ ^TUfY^fYei\]fYX^hc'di\ fWXUgY^th\YgY^Vcc_g\ Y]h\Yf']b'\ UfX'Wcdmcf'Ug'YVcc_g''$

D] $hh\check{z}' < Y`Yb`f\&$\% Ł"H\Y`< ci gY\check{z}'5``Yb`UbX'l bk]b$

Gi Va]gg]cb cZ5ggYgga YbhHUg_g

Hi fb]h]b Gi Va]gg]cb

Image: Ybwei bhyfu'dfcv'ya k \yb'uhhya dhjb['hc'gi va]hmci f'Ugg][ba Ybhh\fci [\ 'Hi fb]h]bž'd'YUgY

Hy'Yd\cby'9| hy'fbu''Gi ddcfhcb'-',) "''' %cf'Ya U] hya 'cb'Yl hy'fbu'hy'ngi ddcfh4 i bgk "YXi "Ui "''Gi ddcfh
\ci fg'UfY', .\$\$Ua '-'%\$.\$\$da 'cb'k YY_XUmg'UbX'-.\$\$Ua '-').\$\$da 'cb'k YY_YbXg'fl *) 'XUmg'U'mYUft"'=Z'mci
UfY'i bUV'Y'hc'gi va]hmci f'Ugg][ba YbhXi Y'hc'U'ZJi 'hk]h\ 'Hi fb]h]b'mci 'a Um'Udd'mZcf'Ub'Yl hy'bg]cbž'Vi hmci
a i ghfYhJ]b'mci f'h]W_Yhbi a VYf'Zfca '9| hy'fbu''Gi ddcfhfU'cb['k]h\ 'Ubmch\Yf'fy'Yj UbhXcW a Ybhgthc
]bWi XY'Ug'Yj]XYbW'hc'gi ddcfhmci f'Yl hy'bg]cb'Udd']WUh]cb"'=Zmci 'Ya U]''9| hy'fbu''Gi ddcfhmci 'k]'`
Ui hca Uh]WJ'`mfYW']j Y'U'h]W_Yhbi a VYfZ'Vi h]Zmci 'hy'Yd\cby'mci 'k]``bYYX'hc'gdYW]Z]WJ'`mUg_'Zcf'cby''
Hi fb]h]b'U'gc'dfcj]XYg'i dXUhy'g'cb'h\Y]f'gmghYa 'ghUh' g'cb'Hk]hyf''

; YbYfU`mž'UggYgga YbhiHug_g'a i ghVY'gi Va]hhYX'Y`YVWfcb]\WJ``mij]U'Y]h\Yf'Hi fb]h]b'cf'U'A ccX`Y Ugg][ba Ybh''=b']bgHJb\W'g'k \YfY'h\]g']g'bchdcgg]V`Yž']hk]```VY'gHJhYX'cb'mci f'\\circ i fgY'g'A ccX`Y'g]hY'k]h\U`hYfbUh]j Y'gi Va]gg]cb'XYHJ]`g"

cfi]bZcfa Uhjcbicbi\ckihcigi Va]hUgg][ba Ybhgicbi]bYij]UiA ccXiY.i\hdg.#gh XYbhi bgk "YXi "Ui #\ck! gi Va]hUgg][ba Ybha ccXiY

5 WUXYa]W<cbYghmUbX D`U[]Uf]ga

D`U[]Uf]ga i]gii g]b[ih\Yik cfXgicfi]XYUgicZch\YfgiUbXidfYgYbh]b[ih\Ya iUgimci fick b"i=iWUbihU_Yia Ubm Zcfa gžZfca iXYi]VYfUhYiWXYUh]b[ihciUWW]XYbhU`mWcdm]b[iZfca iUigci fWYik]h\ci hiUW_bck iYX[Ya Ybh'i

5 WUXYa]W + DZcfa Uhjcb

8 i Y 'hc 'Yj c'j]b['UXj]WY 'VmB GK '< YU'th žighi XYbhg'a i gh'WkYW_'Zcf'i dXUhYX']bZcfa Uh]cb 'fY[UfX]b['cb`]bY 'YUfb]b['Zcf'U``'5fhgž'8 Yg][b 'UbX'5fWk]hYWhi fY 'Wci fgYg'th]g'thYfa 'fJ]U'A ccX`Y'cf'Wci fgY']bZcfa Uh]cb dfcj]XYX"Ł

: cf`YggYbhJU``ghi XYbh`]bZcfa UhJcb`fY`UhJb['hc.