

ARTS1091

A YX]Už'GcW]Yhmž'Dc`]h]Wg



7ci fgY⁻Cj Yfj]Yk

GHJZ7cbHJWh8YHJ]`g

7cbj Ybcfg

B Ua Y	9a U]`	5j U]`UV]`]m	@cWJhjcb	D\cbY
HUfU'A WeYbbUb	Ha WYbbUb4 i bgk "YXi "Ui	GYY'A ccX'Y'dU[Y Zcf'Uj U]'UV]']lmUbX Ya U]']b['\ci fg"		

GWXcc`7cbHJWh′±bZcfa Uh]cb

GWXcc``cZfXY`5ffg`UbX`AYX]U

Fcca " ‰ž@Yj Y`" žFcVYfhK YVghYf'6i]`X]b[fl %(Ł

D\cbY.'f\$&E'-',)'(,)*

9a U]`. 'gUa 4 i bgk "YXi "Ui

K YVg]hY. k k k "Ufhg"i bgk "YXi "Ui #gUa

5W_bck `YX[Ya YbhcZ7ci bhfm

I BGK '5frgž8Yg][b'UbX'5fW,]hYWi fY'? Ybg]b[hcb'UbX'DUXX]b[hcb'WJa di gYg'UfY'Vi]'hcb'5Vcf][]bU' @UbXg"'K Y'dUmci f'fYgdYWg'hc'h\Y'6]X'][U''UbX'; UX][U''dYcd'Yg'k \c'UfY'h\Y'7i ghcX]Ubg'cZh\YgY'`UbXg" K Y'UW_bck 'YX[Y'h\Y'5Vcf][]bU''UbX'HcffYg'GHfU]h=g'UbXYf'dYcd'Ygž'h\Y':]fgh5i ghfU']Ubgžk \cgY'`UbXgž k]bXg'UbX'k UhYfg'k Y'U``'bck 'g\UfYž'UbX'dUmfYgdYWhc'h\Y]f'i b]ei Y'j U'i Ygž'UbX'h\Y]f'Wcbh]bi]b['UbX YbXi f]b['W 'h fYg'k \]W. 'XYYdYb'UbX'Ybf]W. 'h\Y'`]ZY'cZci f'bUh]cb'UbX'Wca a i b]h]Yg'''

7ci fgY 8YHJ] g

I b]hg c Z 7 fYX]h * *

Gi a a UfmcZh\Y 7ci fgY

Gi V Y Whi5 f Y U. "? V U Z R ł 5 f] of c V R_U V T Y _ `] ` X j

H\]g`Wci fgY`ZcW gYg`cb`h\Y`Wca d`YI `fY`Uh]cbg\]d`VYhk YYb`a YX]UžgcW]YhmiUbX`dc`]h]Wg`VmYI Ua]b]b[`h\Y k Umg`]b`k \]W\]bZcfa Uh]cb`]g`a YX]UhYX`VYhk YYb`gcW]U`žW`hi fU``UbX`dc`]h]WU``]bgh]hi h]cbg"'±iXYj Y`cdg`U WcbWYdhi U``ZfUa Yk cf_`Zfca `k \]W\`hc`UbU`mgY`h\Y`XmbUa]WhYW\bc`c[]WU``UbX`fY[i `UhcfmYbj]fcba Ybhi]b k \]W\Th\Y`a YX]U`cdYfUhYg`UbX`hc`]bj Ygh][UhY`h\Y`WcbgYei YbWYg`cZW\Ub[Yg`]b`h\YgY`UfYUg`Zcf`a YX]U

5ggYgga Ybh

5XX]h]cbU`XYhU]`g

D`YUgY'i d`cUX'h\Y'a U]b'dc]bhg`cZmci f`d]h\\\`]b`Xchdc]bhZcfa 'hc'h\Y'Hi fb\hb gi Va]gg]cb``]b_'Vm- Ua 'cb h\Y'a cfb]b['cZmci f`dfYgYbhUh]cb#a Ybhcfg\]d"'\hb Wi XY'Ubm"X]fYWhei chYg"'\Ica 'mci f`fYgYUfW\'fYgci fWfg UbX'W]h\#Y\In\YgY'UW\cfX]b['hc'h\Y'< Ufj UfX'F Y\In\Yb\W]b['GmmY"'F Uh\Yf'h\Ub'U'k f]hhYb'g\W]dhIn\]g XcW a Ybhg\ci `X']bghYUX'VY'U'VUg]Wcj Yfj]Yk 'cZmci f`k cf_'UbX'a Ybhcfg\]d'UW\]j]hYg'! 'k Y'X]g\ci fU[Y'mci \In\X'a 'fYbhYb'g\W]dhg'j YfVUh]a 'Ug'h\]g']gbfhi]b'U`][ba Ybhk]h\n\Y'd]h\X'[YbfY"'D`YUgY'WXY_ci hh\Y YI Ua d`Y'd]h\X\Yg'Uj U]`UV'Y'Ug'gi ddcfhj]XYc'fYgci f\Wg'cb'ci f`A ccX'Y'dU[Y'hc''YUfb'a cfY'UVci hh\Y \Wbj YfgUh]cbU``ghmY'cZh\]g'a cXY'cZXY`]j Yfm''Ci f'\If\Iffahk YY_'cZhYfa 'k]``]b\Wi XY']XYUg'UbX'gi [[Ygh]cbg'\Icf\ck 'hc'U\WiUg'a Ybhcf'hc'\IJ\W]hUhY'gc\W]U```YUfb]b['"

5ggYgga Ybh'' . '9ggUm

8i Y'XUhY. % #%#&\$&%'%%)\$DA

5 %\$\$\$ k cfX YggUmXYj Y`cdYX Zfca 'U'ei Ygh]cb ci h]bYX cb ci f`gi VYWhA ccX`Y dU[Y"

: YYXVUW_'j]U'@A G

,

H\]g Ugg][ba Ybh]g gi Va]h\YX h\fci [\ Hi fb]h]b UbX gh XYbhg WUb gYY Hi fb]h]b g]a]`Uf]hmfYdcfhg"

5 http://bxubww.F.Yei]fYa Ybhg

 $\hbox{Ghi XYbhg'UfY'ghfcb[`m'YbWc'i fU[YX'hc'UhhYbX'U```WUggYg'UbX'fYj]Yk'``YWhfY'fY'WcfX]b[g''' } \\$

Fygci fWyg

DfYgWf]VYX`F Ygci fWYg`

5``fYgci fWgk]``VYa UXYUj U]`UV`Yj]UAccX`Y"

9UW k YY_ DfY!h hY a]b] hUg_

 $6YZcfY'mci~Wca~Y'hc~WUgg~YUWX~k~YY_'h\.YfY'k~]```VY'U'g\cfh'UWhjj~]hmZcf'mci~hc~Wca~d`YhY']b$

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 Ybhgt'hc
]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