

ARTS2908

GYI 'UbX'Dck Yf'jb'9UfmiA cXYfb'7 \]bU'UbX'>UdUb

HYfa &Z&\$&&



7ci fgY`Cj Yfj]Yk

GHJZ`7cbHJW`8YHU]`g

7cbj Ybcfg

BUa Y	9a U]`	5j U]`UV]`]m	@cW]h]cb	D\cbY
8f`>cY`K]b[!@i b	^k]b[`i b4 i bgk "YXi "Ui	6mUddc]bfa Ybh UbX#cf]j]U`Ya U]`	A cfj Yb 6fck b'' ' *	

GWcc``7cbHJW`bZcfa Uh]cb

GWcc``cZ<i a Ub]h]Yg/`@Ub[i U[Yg

5W_bck `YX[Ya YbhcZ'7ci bHfm

I BGK '5fjz8Yg][b'UbX'5fWk]fYWi fY'Ybg]b[hcb'UbX'DUXX]b[hcb'Wla di gYg'UfY'Vi]hcb'5Vcf][]bU`

7ci fgY'8YHJ]`g

I b]hg'cZ7fYX]h*`

Gi a a UfmcZ'h\Y'7ci fgY

h'k]g'Vci fgYžmci 'k]`YI d`cFY'h\Y'\]ghcfmcZYUfma cXYfb'7\]bU'UbX'>UdUb'fWJ" %* \$\$-% %&E'h'fci [\ 'h\Y
'Ybg'cZ[YbXYf'UbX'gYI i U']m'6mYI Ua]b]b['hcd]Vg']bWi X]b['7cbZ V]Ub]ga 'UbX'h\Y'ZJa]mžGUa i fU]
ghUhi gž]a dYf]U`YI dUbg]cbžVca a YfW'UbX'Y]gi fYža YX]V]bY'UbX'fY'] []cbž]hia U_Yg'U'W]gY'Zcf' [YbXYf'UbX
gYI i U']m]Ug'Xf]j Yfg'cZ\]ghcf]W]`V\Ub[Y]b'h\Y'YUfma cXYfb'k cfX" h'YI Ua]bYg'bchicb'mk ca Yb'UbX
k ca Yb'g'\]ghcfmžVi hU'gc'a Yb'UbX'a UgW]b]mž' [YbXYf]bcbVcbZcfa]b['Vca a i b]h]YgžUbX'h\Y'V\Ub[]b[

5ggYgga Ybh

H\YgY'UFY`h\Y`dfYZffYX`fYZfYbW]b[`grghYa g.

[:ccbch#6V\]c\[fUd\m](#)

[<Ufj_UFX`b!hY|hFYZYfYbW\]b\[](#)

5ggYgga YbhUg_	K Y][\h	8i Y`8UH	7ci fgY`@YUfb]b[Ci hWca Yg`5ggYggYX
%`@YUfb]b[`DcftZc`]c	()	Bch5dd`]WUVY	%ž"
&`DfYgYbhU]cb	%	Bch5dd`]WUVY	%ž' ž(
' ``9ggUm	(\$	\$) #\$, #&\$&&\$) .\$\$`DA	%ž`&ž(

5ggYgga Ybh%`@YUfb]b[`DcftZc`]c

5ggYgga Ybh`Yb[h. `%ž&\$\$`k cfXg`]b`hcfU`

Gi Va]gg]cb`bchYg. `Gi Va]hi d`h`cbY`ci f`VYZcfY`h`hcf]U`Zcf]g]! `k YY_g`ci hcZb]bY

Gh XYb]g`Ub]gk Yf`gYhei Ygh]cbg`UVci hfYUX]b[`g`gYhZcf`*`cZ- `k YY_g`]b`h`Y`Wci fgY`%ž&\$\$`k cfXg`k]h
Wca V]bU]cb`cZfi Vf]WgžWca a Yb]gžUbX`]b!WUgg`ZYXVUW`"

H\]g`]g`bchU`Hi fb]h]b`Ugg][ba Ybh

5ggYgga Ybh&`DfYgYbhU]cb

5ggYgga YbhYUfb]b[(h. `.) `a]bi hYg

K YY_g`kGi Va]gg]cb`bchYg. `KYY`%`g`k`]WY`Ugg][bYX`]b`K YY_`%`h`hcf]U`

Gh XYb]g`dfYgYbh]bXYdYbXYbhim

%

]b

%

m

5 hYbXUbWV`F Yei]fYa Ybhg

Gh XYbfg`UFY`gfcfb[`mYbWci fU[YX`fc`UhfYbX`U`WUggYg`UbX`fYj`]Yk`YWhi`fY`fYWcfX]b[`g"

7 ci fgY`GVW`YXi`Y`

[J`Yk`WUgg`ha`YhUV`Y`](#)

H]a`YhUV`Y`

8UHr	HmdY	7cbhYbh
K YY_`%`" ` \$`A`Um!`" >i`bY	@YWhi`fY	hfcXi`W]cb
	Hi`hc`f]U`	hfcXi`W]cb
K YY_`&`.*`>i`bY`!`%\$ >i`bY	@YWhi`fY	7`cbZ`W]Ub]ga`UbX`h`Y`:`Ua`]m
	Hi`hc`f]U`	7`cbZ`W]Ub]ga`UbX`h`Y`:`Ua`]m
K YY_`"`. `.%`>i`bY`!`%+ >i`bY	@YWhi`fY	GYI`UbX`GhUhi`g
	Hi`hc`f]U`	GYI`UbX`GhUhi`g
K YY_`(`.`&\$`>i`bY`!`&(` >i`bY	@YWhi`fY	;`YbXYfYX`@JVci`f
	Hi`hc`f]U`	;`YbXYfYX`@JVci`f
K YY_`_)`. `&+`>i`bY`!`% >i`m	@YWhi`fY	a`dYf]U`9I`dUbg]cb
	Hi`hc`f]U`	a`dYf]U`9I`dUbg]cb
K YY_`*`.(`>i`m!`,`>i`m	F`YUX]b[F`YUX]b[`k`YY_`!`bc`WUggYg"
K YY_`+`. `%%`>i`m!`%) >i`m	@YWhi`fY	GYI`UbX`h`Y`6cXm
	Hi`hc`f]U`	GYI`UbX`h`Y`6cXm
K YY_`,`.`%`>i`m!`&& >i`m	@YWhi`fY	GYI`UbX`7`ca`a`YfW
	Hi`hc`f]U`	GYI`UbX`7`ca`a`YfW
K YY_`-`. `&`>i`m!`&- >i`m	@YWhi`fY	F`YVY``]cb`UbX`F`YZ`fa
	Hi`hc`f]U`	F`YVY``]cb`UbX`F`YZ`fa
K YY_`%\$.`%5i`[i`gh!`) 5i`[i`gh	@YWhi`fY	H\Y`6cXmDc`]h]W
	Hi`hc`f]U`	H\Y`6cXmDc`]h]W
	5ggYgga`Ybh	9ggUm`Hi`fb]h]b

F Ygci fWg

DfYgWf]VYX`F Ygci fWg

5`fYei]fYX`UbX`gi dd`Ya YbUfmWci fgY`fYUX]b[g`k]`VY`Uj U]UV`Y`cb`A ccX`Y"

F YWca a YbXYX`F Ygci fWg

GYY`@Y[Ubtc

7ci fgY`9j U`i Uh]cb`UbX`8Yj Y`cda Ybh

H\]g`]g`hY`Z]fghhja Y`h\]g`Wci fgY`]g`VY]b[`h]i [\h!`YI W]h]b[`K`Y`cc`_Zcfk UfX`hc`fYVW]j]b[`mci f`ZYXVUW`z`UbX`k`Y`Wca Y`]h]bZcfa U`mi`h`fci [\ci`hiYfa`"

Gi Va]gg]cb`cZ5ggYgga YbhiHUg_g

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

≠mci`YbWci bHYf`U`dfcV`Ya`k` \Yb`UHYa` dh]b[`hc`gi`Va`]hmc`i`f`Ugg][`ba`YbhiHfci`[`\`Hi`fb]h]b`z`d`YUgY`
HY`Yd\cbY`9I`HYfbU`Gi`ddcfhcb`-`,`),`"`,`'`,`%cf`Ya`Uj`H`Ya`cb`YI`HYfbU`HY`hgi`ddcfh4`i`bgk`"YXi`"Ui`"Gi`ddcfh`
\ci`fg`UfY`,`.\$\$Ua`-`%\$.\$\$da`cb`k`YY`XUmg`UbX`-`.\$\$Ua`-`).\$\$da`cb`k`YY`YbXg`f1`*)`XUmg`U`mY`Uf2`≠mci`
UfY`i`bUV`Y`hc`gi`Va`]hmc`i`f`Ugg][`ba`YbhiXi`Y`hc`U`Zi`h`k`]H`Hi`fb]h]b`mci`a`UmUdd`m`Zc`f`Ub`YI`HYbg]cb`z`Vi`hmc`i`
a`i`ghfYH]b`mci`f`h]W`Yhbi`a`VYf`Zca`9I`HYfbU`Gi`ddcfhU`cb[`k`]H`UbmicH`Yf`fY`Yj`UbhXcW`a`YbfgL`hc`
]bWi`XY`Ug`Yj`]XYbVW`hc`gi`ddcfhmc`i`f`YI`HYbg]cb`Udd`]W]h]cb`≠mci`Ya`Uj`9I`HYfbU`Gi`ddcfhmc`i`k`j`
Ui`hca`U]W]m`fYW]j`Y`U`h]W`Yhbi`a`VYf`z`Vi`h]Zmci`HY`Yd\cbY`mci`k`j`b`YX`hc`gd`YW]W]m`Ug`_`Zc`f`cbY`
Hi`fb]h]b`U`gc`dfcj`]XYg`i`dXUH`g`cb`H`Y]f`gmghYa`ghU`h`g`cb`Hk`]HYf`"

;`YbYfU`mz`UggYgga`YbhiHUg_g`a`i`ghVY`gi`Va`]HYX`Y`YWfcb]W]m`j`]U`Y]H`Yf`Hi`fb]h]b`cf`U`A`ccX`Y`
Ugg][`ba`Ybhi`b`]bgHUbVW`g`k`\YfY`H`g`]g`bchidcgg]V`Yz`]hk`j`VY`ghUH`X`cb`mci`f`Wci`fgY`g`A`ccX`Y`g]H`k`]H`

5 WUXYa]WbZcfa Uh]cb

8i Y'rc'Yj c']]b['UXj]W'VmB GK ' < YU'hž'gh XYbh'ia i ghWXYW'Zcf'i dXUHX']bZcfa Uh]cb'fY[UfX]b['cb']bY 'YUfb]b['Zcf'U''5fngž8Yg][b'UbX'5fWX]fYWhi fY'Wèi fgYg'h]g'hYfa 'fj]U'A ccX'Y'cf'Wèi fgY']bZcfa Uh]cb dfcj]XYX"Ł

: cf'YggYbh]U'gh XYbh]bZcfa Uh]cb'fY'Uh]b['rc.

- fYei Ygth'Zcf'YI h'bg]cb/
- 'UH'gi Va]gg]cbg[[i]XY']bYg/
- fYj]Yk 'cZa Uf_g/
- I B GK ' < YU'h'UbX'GUZYhmdc']WYg/
- YI Ua]bUh]cb' dfcWYXi fYg/
- gdYW]U'Wèbg]XYfUh]cb']b'hY'Yj Ybhcz]'bYgg'cf'a]gUXj Ybh fY/
- gh XYbhYei]mUbX'X]gUV']m/
- UbX'ch'Yf'YggYbh]U'UWXYa]W]bZcfa Uh]cbžgYY

\hdg.#k k k "i bgk "YXi "Ui #fng!XYg][b!UfWX]fYWhi fY#gh XYbh']ZY#Ygci fWg!gi ddcfhd' d'fch'Wè'g![i]XY']bYg

⇒ U[Y'7 fYX]h

?]fU[Uk U'I fUa Ufc'!'8U]a]c'UbX'\]g'F Yh]bi Y'7 fcgg]b['U'GhYUa ']b'D'U]b'BYUf': i 'f'f%+) ' Ł

7'Yj Y'UbX'A i gYi a 'cZ5fh

7F ⇒ CG

7F ⇒ CG'Dfcj]XYf'7cXY.'\$\$\$- ;