



# ARTS3630

5Xj UbWX'>UdUbYgY'5

HYfa 'Cby' '# '&\$&%

7ci fgY`Cj Yfj JYk


7ci fgY'8YHJ]`g

7fYX]hDc]bhtg`\*`

Gi a a UfmicZh\Y'7ci fgY

H\]g`Wci fgY`dfcj ]XYg`mci `k ]h`i ddYf! ]bhYfa YX]UH`Yj Y`h` ]]cb`]b`>UdUbYgY`Ub[ i U[ Y`gh Xmi` : c`ck ]b[ `hY  
dfYfYei ]g]h`f`b`h`fa YX]UH`>UdUbYgY`6fzcfYei ]j U`Ybhz`mci `W`b]bi Y`hc`XYj Y`cd`mci f`]bhYfW`h`fU`  
W`ca a i b]W]h]cb`g\_]`g`Ug`k Y`Ug`YUfb`bYk`>UdUbYgY`ghfi W`h`fYgZ`YI dfYgg]cbgZ`UbX`]bhYfUW]cb`ghfUH`[ ]Yg`  
Mci `k ]`YI dUbX`mci f]j cWUVi `UfmVmi`YUfb]b[ `&\$\$`\_Ub`^`"7i ffYbhgcW]c!W`h`fU`]ggi Yg`]b`>UdUb`UFY`h`Y  
h`Ya Uh]WZ`W`g`cZ`h`Y`W`ci fgY"

7ci fgY`@YUfb]b[ `Ci hWca Yg

%` 7ca a i b]W]h`\_bck`YX[ Y`cZ>UdUbZ>UdUbYgY`Ub[ i U[ YZ`UbX`W`ca a i b]W]h]cb`g\_]`gZ`]b`cfU`  
dfYgYb]h]cbg`gdc`\_Yb`]b`>UdUbYgY`  
&`K`f]h`fYdcfhg`i`g]b[ `>UdUbYgY`k`f]h]b[ `ghmiY`  
'`"5W`ca d`]g\`hUg`\_g`k ]h`dYYfg`"

HYUW]b[ `GhfUH`[ ]Yg`

@YW`h`fYg`XY`]j Yf`gcW]U`UbX`W`h`fU`]ggi Yg`fY`UH`X`hc`h`Y`hc]d]WcZ`h`Y`k`YY`\_"BYk`ghfi W`h`fYg`#`fUa a Ufg`UFY`  
U`gc`YI d`U]bYX`"G`h`XYbhtg`dfcUW]h]j Y`mdUfh]W]dUH`]b`dfUW]W]g`cZbYk`YI dfYgg]cbgZ`j cWUVi `Uf]YgZ`UbX`?`Ub`^`  
UbX`]bhYfUW]k ]h`Z`ck`gh`XYbhtg`Uh`h`Y`Y`W`h`fYg`"

@YW`h`fYg`UFY`XY`]j YfYX`i`g]b[ `a`c`"

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# 5ggYgga Ybh

## 5ggYgga YbhHUg\_g

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GdYU_]b[ 'hYgh	&\$i	Bch5dd']WUVY	%ž'
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## 5ggYgga Ybh8YHU]`g

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GHUfhXUH. 'Bch5dd']WUVY

8YHU]`g.

9UW`gh XYbhk ]`dYfZcfa 'U'fc'Y'd'Umk ]h 'UbchYf'gh XYbhf)!\* 'a ]bg#dU]fL"

K f]hYb'ZYXVUW\_k ]`VY'[ ]j Yb'j ]U'bi a Yf]W' [ fUXY'UbX'k f]hYb'Wca a Ybh

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GHUfhXUH. 'Bch5dd']WUVY

8YHU]`g.

Gh XYb]g'k ]`Wca d'YH'Z]bU`YI Ua ]bUh]cb'Xi f]b[ 'YI Ua 'dYf]cX"

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Gh XYb]g'k ]`Yb[ U[ Y ]b'U'j Uf]YhmcZUW]j ]hYg'hc ``YUfb'>UdUbYgY``Ub[ i U[ YžW 'hi fYžUbX']bhYfW 'hi fU'

Wc a a i b]WU]cbzWcbg]gh]b[ 'cZUddfcl "'&\$!' \$'a ]bg'cb'U'k YY\_'mVUg]g"'H\Y'UW]j ]h]Yg ]bW] XY'U  
[ fci d#]bX]j ]Xi U''dfYgYb]h]cb'f# 'a ]bgLz'd'Um]b[ 'U'fc'Y'Ug'hi'hc'f]U''YUXYfz'UbX ]b]Y'fUW]b[ 'k ]h'>UdUbYgY  
dYcd'Y#g]dYU\_Yfg'UhUb'Yj Ybh\Y'X'ci'hg]XY'I B GK "'Gh XYb]hg'k ]''h\Yb'fYZYW]UbX'k'f]h'U'fYdcf]h'f(\$\$!) \$\$  
W\UfUW]Yfg#fYdcf]h'cb'h\Y]f'YI dYf]YbW]g"

K f]h]Yb'ZYXVUW\_k ]''VY' [ ]j Yb'j ]U'bi a Yf]W]'' [ fUXY"

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Hi fb]h]b'gYH]b[ . H\]g ]g'bchU'Hi fb]h]b'Ugg][ ba Ybh

# 5 hYbXUbW F Yei ]fYa Ybhg

Gh XYbhg UfY ghfcb[ mYbWci fu[ YX hc UhhYbX U WUggYg UbX fYj ]Yk YWih fY fYWcfX]b[ g"l bYI dYWYX UVgYbW cZ&\$i fci hcZ- h hc f]U'gk'cf'a cfY'a UmfYgi h]b hY Uk UfX'cZU'ZJ] [ fUXY" b Vch YWih fYg UbX h hc f]U'g'nci k ] UWhj Y'mYb[ U[ Y'k ]h WcfY Wci fgy WcbhYbhzYbUV]b[ mci hc UhhU]b'7 @C %UbX' " 5 hYbXUbW k ] VY fYWcfXYX h fci [ \ j Uf]ci g UfhZUWg h Uha Um]bWi XY U'ei ]nžX]WU]cb'dfUW]WžUbX#cf U'fYWcfX'cZUhhYbXUbW"

9I d'UbU]cbg'cZUVgYbWwi

j Uf]ci g UfhZUWg h Uha Um]bWi XY U'ei ]nžX]WU]cb'dfUW]WžUbX#cf




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@YWH FY	@YWH FY & PPA FL @



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DfYgWf]VYX`F Ygci fWg`

- 6cc\_-'HcV]fU); UHk UmHc`5Xj UbW`X`>UdUbYgY`@YUfb]b[ `H\fc i [ \ `7 cbYbhUbX`A i `hja YX]U f&\$\$- 7
- 6cc\_-'; fUa a Uf`Dck Yf.`9I YfW]gYg`; cf`A UghYfmf&\$\$%\$7
- 6cc\_-'Dck Yf`I d`? Ub`j, \$\$`6Ug]W? Ub`j`5g`5`; UHk UmHc`5Xj UbW`X`>UdUbYgY`f&\$\$%\$7

F YWca a YbXYX`F Ygci fWg

- HcV]fU`k YVg]hY`""\hd.##rcV]fUk YV"- \*(\$`d#
- [`\hd.##k k "\[Uj c"ti \]hc. mc"UWd#c`UX#d\fUg\]b\[ #bXYI](#)

Gi Va ]gg]cb`cZ5ggYgga YbhiHUg\_g

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≠mci`YbWci bHYf`U`dfcV`Ya`k` \Yb`UH`Ya` dh]b[`hc`gi`Va`]hmc`i`f`Ugg][`ba`Ybhi`h`fci`[`\`Hi`fb]h]b`z`d`Y`Ug`Y`  
HY`Yd`cb`Y`9I`HY`fb`U`Gi`ddc`fh`cb`-`,`)`"``"``%`cf`Ya`U]`h`Ya`i`cb`YI`HY`fb`U`HY`hgi`ddc`fh`4`i`bgk`"YXi`"Ui`""Gi`ddc`fh`  
`l`ci`fg`UfY`,`.\$\$Ua`-`-%\$.\$\$da`i`cb`k`YY`\_XUmg`U`bX`-`.\$\$Ua`-`).\$\$da`i`cb`k`YY`\_YbXg`f`l`\*)`XUmg`U`m`Y`Uf`l`"≠mci`  
UfY`i`bUV`Y`hc`gi`Va`]hmc`i`f`Ugg][`ba`Ybhi`Xi`Y`hc`U`Z`Ji`h`k`]h`Hi`fb]h]b`mci`i`a`Um`Udd`m`Z`f`U`b`YI`HY`bg]cb`z`Vi`hmc`i`  
a`i`gh`f`Y`h]b`mci`f`h]W`Y`hbi`a`VY`f`Z`ca`9I`HY`fb`U`Gi`ddc`fh`f`U`cb[`k`]h`U`b`m`c`h`Y`f`f`Y`Y`U`b`h`X`c`W`a`Y`b`h`g`k`h`c`  
]b`Wi`XY`U`g`Y`j`]X`Y`b`W`hc`gi`ddc`fh`mci`f`YI`HY`bg]cb`Udd`]W`h]cb`"≠mci`Ya`U]`9I`HY`fb`U`Gi`ddc`fh`mci`k`]`  
Ui`h`ca`U`h]W`U`m`f`Y`W`]j`Y`U`h]W`Y`hbi`a`VY`f`z`Vi`h]Z`mci`HY`Yd`cb`Y`mci`k`]`b`Y`Y`X`hc`gd`Y`W`Z]W`U`m`Ug`\_`Z`f`c`b`Y`"  
Hi`fb]h]b`U`gc`d`fc`j`]X`Y`g`i`d`X`U`h`Y`g`c`b`h`Y`]f`g`m`g`h`Y`a`i`g`h`U`h`g`c`b`H`k`]h`Y`f`"

;`Yb`Y`f`U`m`z`Ugg`Y`gga`Yb`hi`U`g`\_`g`a`i`gh`V`Y`gi`Va`]h`Y`X`Y`Y`W`f`c`b]W`U`m`j`]U`Y`]h`Y`f`Hi`fb]h]b`c`f`U`A`cc`X`Y`  
Ugg][`ba`Yb`h`i`h`]b`g`h`U`b`W`g`k` \Y`f`Y`h`l`g`]g`b`c`h`d`c`g`g]V`Y`z`]h`k`]`V`Y`g`h`U`h`X`c`b`mci`f`W`ci`fg`Y`g`A`cc`X`Y`g`]h`k`]h`  
U`h`Y`fb`U`h]`Y`gi`Va`]gg]cb`X`Y`h]g`"

:`c`f`]b`Z`c`fa`U`h]c`b`c`b`l`c`k`hc`gi`Va`]h]Ugg][`ba`Yb`h]c`b`]b`Y`j`]U`A`cc`X`Y`.\`h`d`g`#`g`h`X`Y`b`h`i`bgk`"YXi`"Ui`#`c`k`!  
gi`Va`]h]Ugg][`ba`Yb`h`a`cc`X`Y`"

## 5 WUXYa ]W< cbYgmiUbX`D`U[ ]Uf]ga

D`U[ ]Uf]ga `]g`i`g]b[ `h`Y`k`c`f`X`g`c`f`]X`Y`U`g`c`Z`c`h`Y`f`g`i`U`b`X`d`f`Y`g`Y`b`h]b[ `h`Y`a`i`U`g`m`c`i`f`c`k`b`" `#`W`U`b`h`U`\_`Y`a`U`b`m`  
Z`c`f`a`g`Z`Z`c`a`X`Y`]V`Y`f`U`h`Y`V`X`Y`U`h]b[ `h`c`U`W`W`Y`X`Y`b`h`U`m`i`W`c`d`m]b[ `Z`c`a`i`U`g`c`i`f`W`k`]h`c`i`h`U`W`b`c`k`Y`X[ `Y`a`Y`b`h`

I`B`G`K`i`[`f`c`i`d`g`d`U[ ]Uf]ga `]b`h`c`h`Y`Z`c`c`k`]b[ `W`U`h`Y`[`c`f]Y`g.

- i bXYfgHUbX'mci f'f][ \hg'UbX'fYgdcbg]V] ]hYg'Ug'U'gh XYbhUhl BGK
- VY'Uk UfY'cZd'U[ ]Uf]ga ž'Wcdmf][ \hž' BGK 'Gh XYbh7cXY'cZ7cbXi WñUbX'5WwdfUV'Y'I gY'cZ  
I BGK '⇒H'F Ygci fW'g'Dc`]Wñ
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5 WUXYa ]W=Zcfa Uh]cb

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