



# ARTS2062

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Gi a a UfmicZ\hY'7ci fgY

H\]g`Wci fgY`fUWg`hY`Ya Yf[ YbW`UbX`g][ b]Z\WbW`cZ5i gfu]Ub`W]bYa U`W`hi fY`"Mci`k`]"`gh`Xmi\Y  
XYj`Y`cda`YbhcZ\hY`5i gfu]Ub`Z]a`]bXi`gfmz`]bWi`X]b[ `UbU`mg]g`cZ\hY`YWc`bca`]Mz`gcW]U`UbX`dc`]h]W`  
ZUWc`fg`UbX`hY`a`n\g`k`\]W`\Uj`Y`g\UdYX`hY`]bXi`gfm`"Mci`k`]"`U`gc`gh`Xmi\Y`fc`Y`cZ\hY`5i gfu]Ub  
gWY`Yb`]b`g\Ud]b[ `hY`Yi`dYf]YbW`cZa`cXYfb`5i gfu]U`UbX`]hg`d`UW`]b`hY`k`cfX`"H\Y`Wci fgY`U`gc  
Yi`d`cfYg`U`fUb[ Y`cZa`U]bghfYUa`UbX`bcb!a`U]bghfYUa`Zcfa`g`cZUi`X]c!j`]gi`U`dfcXi`W]cb`]b`5i gfu]U`"H\Y  
hcd]Vg`Z]a`g`UbX`W]h]W`hY`hg`\Uj`Y`U`"VY`Yb`g`Y`W`X`h`Y`b`Wci`fU[ Y`hY`gh`XmicZU`k`]XY`fUb[ Y`cZ  
5i gfu]U`g`bU]cbU`W]bYa`U`"

7ci fgY`@YUfb]b[ `Ci`hW`ca`Yg

%` =>Ybh]Zmigca`Y`cZ\hY`\]grcf]W]z`YWc`bca`]Mz`gcW]U`UbX`W`hi`fU`Wc`bYi`hg`cZ5i gfu]Ub`W]bYa`U  
&`9j`U`i`UhY`hY`d`UW`cZ5i gfu]Ub`W]bYa`U`]b`fY`U]cb`h`<c`mk`ccX`z`fY[ ]cbU`z`UbX`c`hY`f`bU]cbU`  
W]bYa`Ug  
'`" =>Ybh]ZmiUbX`W]h]W`miUggYgg`hY`X]j`Yfg]micZ5i gfu]U`g`bU]cbU`W]bYa`U`UbX`d`fYgYbhimi`f`Z]bX]b[ g  
]b`Wc`\YfYb]z`k`Y`"gf`i`W`i`fYX`z`cfU`UbX`k`f]hY`b`Zcfa`"

HYUW]b[ `GfUH[ ]Yg`

H\Y`Wci fgY`k`]"`VY`hUj [ \hi`g]b[ `U`Wca`V]bU]cb`cZ`YW`i`fYg`z`gWY`Yb]b[ g`z`WUgg`X]gW`gg]cbz`[ fci`d`fYgYUfW  
UbX`d`fYgYb]h]cbz`]bX]j`]Xi`U`fYgYUfW`UbX`k`f]h]b[ ""`H\Y`hY`UW]b[ `UddfcUW`U`ck`g`gh`XYb]h`h`Yi`d`UbX`


XYya YX`UHžUbX`U`dYbU`hmUdd`jYX`-#jg`h`Y`fYgdcbgjV`j]mcZYUWw`j]bXj`jXi`U`gh`XYbhlc`Ybgi`fY`h`UhUbmik`cf`\_`jg`gi`WwggZ``mgi`Va`j]hYX`VmXYUX`j]bYžUbX`j]b`j]hg`W`ffYWh`Zcfa`U#`Yfg]cb`"

:`cf`a`cfY`j]bZcfa`U#cb`cb`UH`dYbU`hYg`j]b`G5A`žUbX`chYf`dc`j]WYg`UbX`[`i`j]XY`j]bYg`gYY`:[\hdg.#gUa`"Ufg`i`bgk`"YXi`"Ui`#gh`XYbh#Ygci`fWg#dc`j\]WYg!`\[`i`j\]XY`j\]bYg#`](#)

F`Yei`Yghg`Zc`fYi`hYbg]cb`bYyX`hc`[`c`h`fci`[`\`GdYwU`7`cbg]XYfU#cb`:[\hdg.#gh`XYbh`i`bgk`"YXi`"Ui`#gdYwU`!W`bg\]XYfU#cb`](#)

žmci`bYyX`hc`Udd`mZc`f`GdYwU`7`cbg]XYfU#cb`d`YUgY`Udd`mUh`YUghU`Zyk`XUm`g`VYZc`fY`h`Y`UggYgga`Ybh`Xi`Y`XUH`"

Gi`Va`j]gg]cb`bchYg`C`b`mcbY`gi`Va`j]gg]cb`U`ck`YXž`d`YUgY`i`d`cUX`h`Y`W`ffYWh`ZjY`

Hi`fb]h]b`gYh]b[`.H\]g`Ugg][`ba`Ybh]g`gi`Va`j]hYX`h`fci`[`\`Hi`fb]h]b`UbX`gh`XYbhg`WUb`gYy`Hi`fb]h]b`g]a`j]Uf]m`fYdcfng`"

5ggYgga`Ybh&.`A`U`cf`9ggUmicf`:]a`:`Yghj`U`7`i`fU#cb`

GHUfhXUH`B`ch5dd`j]WVY`

@Yb[`h`.&\$\$\$`k`cfXgž`bch]bW`i`X]b[`Zc`h`b`chYg`UbX`V]V]c[`fUd`mVi`h]bW`i`g]j`Y`cZ]b]h]i`h`fY`Z`fY`bW`g`f%\$`i`cj`Yf`UbX`i`bXY`f`i`Y`Udd`j]Ygž`%`\$`!`&&\$\$\$`k`cfXgž`

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9ggUm`U`%`\$`!`&\$\$\$`k`cfX`YggUmicb`U`hd]WZca`U`j]ghdfcj`j]YXž`X]gW`gg]b[`\`ck`U`gdYwU`Z]WZ`a`cf`Z]a`a`U`\_Yf`UXXfYggYg`h`Y`X]j`YfgY`UbX`ci`h`UfX!`cc`\_`b[`b`Uh`fY`cZ5i`ghU`j]Ub`W]bYa`U`Gh`XYbhg`k`j`Z]fgh`gi`Va`j]hU`)`!`%`\$`\$`k`cfX`UVghfUWh`ci`h]b]b[`h`Y]f`fU#cbU`Y`Zc`f`h`Y`Z]a`cf`Z]a`a`U`\_Yf`h`Ym`Uj`Y`gY`YwW`X`"H\Y`j`U`i`Y`cZ`h`Y`UVghfUWh]g`%\$`i`c`Z`h`Y`hc`U`a`Uf`\_`Zc`f`h`g`UggYgga`Ybh]Ug`\_"Gi`Va`j]hYX`cb`j]bY`j`j]U`@A`G`":`YYXVUW`\_`UbX`U`bi`a`Yf]W`[`fUXY`dfcj`j]YXž`j`j]U`@A`G`"

C`f`

:`:]a`:`Yghj`U`7`i`fU#cb`U`%`\$`!`&\$\$\$`k`cfX`dfc[`fUa`Zc`f`U`k`YY`\_YbX`Z]a`Z]ghj`U`cZ)`5i`ghU`j]Ub`Z]a`g`cb`U`hd]WZca`U`j]ghdfcj`j]YXž`"Gh`XYbhg`k`j`Z]fghgi`Va`j]hU`)`!`%`\$`\$`k`cfX`UVghfUWh`ci`h]b]b[`h`Y]f`fU#cbU`Y`Zc`f`h`Y`Z]a`g`h`Ym`Uj`Y`gY`YwW`X`"H\Y`j`U`i`Y`cZ`h`Y`UVghfUWh]g`%\$`i`c`Z`h`Y`hc`U`a`Uf`\_`Zc`f`h`g`UggYgga`Ybh]Ug`\_"Gi`Va`j]hYX`cb`j]bY`j`j]U`@A`G`":`YYXVUW`\_`UbX`U`bi`a`Yf]W`[`fUXY`dfcj`j]YXž`j`j]U`@A`G`"

5XX]h]cbU`XYHJ]g.

D`YUgY`fYa`Ya`VYf`h`Uhmc`i`a`i`gha`U`\_Y`U`gYf]ci`g`UhtYa`dh`UhU`h`Y`UggYgga`Ybhg`hUg`\_g`Zc`f`h`g`W`ci`fgY`hc`VY`UV`Y`hc`dUgg`h`Y`W`ci`fgY`"

5`a`Uf`\_g`UfY`dfcj`j]g]cbU`i`bh`h`Ym`Uj`Y`VYy`b`Zc`fa`U`m`W`cb`Z]fa`YX`Vm`h`Y`:`UW`h`m`5`WUXYa`j]WE`i`U`]m`7`ca`a`j]hY`U`h`h`Y`W`cb`W`i`g]cb`cZYUWw`gY`a`YghYf`"A`Uf`\_g`a`Um`VY`gi`V`Y`W`h`c`W`Ub[`Y`Zc`f`j`Uf]ci`g`fY`Ug`cbg`j]bW`i`X]b[`h`Y`Udd`j]W]h]cb`cZ`UH`dYbU`hYgž`a`cXYfU#cb`UbX`h`Y`Udd`j]W]h]cb`cZ`UWUXYa`j]Wa`j]gW`cbXi`Wh`dYbU`hYg`"

5ggYgga`Ybhg`a`i`gh`VY`gi`WwggZ``mgi`Va`j]hYX`Vm`h`Y`gdYwU`Z]YX`Xi`Y`XUH`UbX`h]a`Yž`c`f`]h`k`j`VY`XYya`YX`UHž`UbX`U`dYbU`hmUdd`jYX`-#jg`h`Y`fYgdcbgjV`j]mcZYUWw`j]bXj`jXi`U`gh`XYbhlc`Ybgi`fY`

h UhUbmk cf\_ ]g'gi WwggZ `mgi Va ]hYX`VmXYUX`]bYžUbX`]b ]hg`Wc ffYWhZcfa Uh# Yfg]cb"

: cf'a cfY`]bZcfa Uh]cb'cb`UH`dYbU`hYg`]b`G5A žUbX`chYf`dc`]WYg`UbX`[ i ]XY`]bYg  
gYY. [\hdg.#gUa "Ufng"i bgk "YXi "Ui #gh XYbhg#Ygci fWg#dc`\]WYg!\[ i \]XY`\]bYg#](#)

F Yei Yghg`ZcfYI hYbg]cb`bYXX`hc`[ c`h\fc i [ \`GdYWU`  
7 cbg]XYfU]cb. [\hdg.#gh XYbh`i bgk "YXi "Ui #gdYWU`!Wc bg\]XYfU\]cb`](#)

Zmci `bYXX`hc`Udd`mZcf`GdYWU`7 cbg]XYfU]cb`d`YUgY`Udd`mUh`YUghU`Zyk`XUmj`VYZcfY`hY`UggYgga Ybh  
Xi Y`XUH`"

Gi Va ]gg]cb`bchYg. `C b`mcbY`gi Va ]gg]cb`U`ck YXžd`YUgY`i d`cUX`hY`Wc ffYWhZ`Y

Hi fb]h]b`gYh]b[ . h\]g`Ugg][ ba Ybh]g'gi Va ]hYX`h\fc i [ \`Hi fb]h]b`UbX`gh XYbhg`WJb`gYY`Hi fb]h]b`g]a ]`Uf]m  
fYdcfng"



F Ygci fWg

DfYgWf]VYX 'F Ygci fWg'

H\YfY ]g'bc hI hVcc\_ Vi hYUWk 'k YY\_ h\YfY 'UfY 'fYeI ]fYX 'fYUX]b[ g'UbX 'Z'a g'hc 'j ]Yk "'Gh XYbHg 'UfY 'fYeI ]fYX  
hc 'fYUX 'h\Y 'fYUX]b[ g'UbX 'k UhWk 'h\Y 'Z'a g'gc 'h\Uh\h\YmWUb 'Wc bhf]Vi h'Z 'mi]b'hi hcf]U'g"

GYY 'A ccX'Y 'UbX '@Y[ Ubhc 'Zcf'h\Y 'fYeI ]fYX 'UbX 'fYWc a a YbXYX 'fYUX]b[ g'UbX 'gWfYb]b[ g'U'gc 'Zcf  
gi [ [ YghYX 'fYgYUfWk 'fYgci fWg" '5'gc 'gYY 'A ccX'Y 'UbX '@Y[ Ubhc 'Zcf'fYWc a a YbXYX 'Z'a g'UbX 'h'Yj ]g]cb



Gi Va ]gg]cb`cZ5ggYgga YbhiHUg\_g

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Ʒmci`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`l`cb`Y`9I`HY`fb`U`Gi`ddc`fh`cb`-`,`,)`````%`cf`Ya`Uj`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`\_X`Umg`U`bX`-`.\$`\$Ua`-`,`)`. `\$`\$da`i`cb`k`YY`\_Y`bX`g`f`l`\*)`X`Umg`U`m`Y`U`f`l`"Ʒmci`  
UfY`i`b`UV`Y`hc`gi`Va`]hmc`i`f`Ugg][`ba`Ybhi`Xi`Y`hc`U`Z`Ji`h`k`]h`Hi`fb]h]b`mci`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`Yj`U`b`h`X`c`W`a`Y`b`h`g`L`hc`  
]b`Wi`X`Y`U`g`Y`j`]X`Y`b`V`W`hc`gi`ddc`fh`mci`f`YI`HY`bg]cb`Udd`]W`h]cb`"Ʒmci`Ya`Uj`9I`HY`fb`U`Gi`ddc`fh`mci`k`j`  
Ui`hc`a`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`l`cb`Y`mci`k`j`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`gi`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`V`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`"

:`cf`]b`Z`fa`U`h]cb`c`b`l`ck`hc`gi`Va`]h`Ugg][`ba`Yb`h]g`c`b]b`Y`j`]U`A`cc`X`Y`.`h`h`d`g`#`gh`X`Y`b`h`i`bgk`"YXi`"Ui`#`ck`!  
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` `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` `W`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` `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` `[`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
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