



# ARTS3290

9a d]fYg`]b`K cfX`< ]ghc fm

HYfa `Hk c`##`&\$%-

7ci fgY`Cj Yfj JYk

`GHUZZ7cbhUWhi8YHUJ`g`

`7cbj Ybcfg`

B Ua Y	9a Uj`	5j Uj`UVj]m	@cWUjcb	D\cbY
GU`U`6Y`a Yggci g	g"VY`a Yggci g4 i bgk "YXi "Ui	: f]XUmž%%Ua `hc`%&da	A 6' * &	- ' , ) &' * &

GWXcc``7cbhUWhi`bZcfa Uhjcb

GWXcc``cZ<i a Ub]hYg`UbX`@Jb[ i U[ Yg

@cWUjcb. `GWXcc``C Z]WžA cfj Yb`6fck b`6i ]X]b[ ž`@Yj Y``&ž&),

CdYb]b[ `<ci fg.`A cbXUm! : f]XUmž- Ua `!) da

D\cbY. `ž`\*%&`- ' , ) `%\*, %

: U! . `ž`\*%&`- ' , ) ; , +\$)

9a Uj]. [\U`4 i bgk "YXi "Ui](#)

7ci fgY'8YHJ>`g

7fYX]hDc]bhr`\*`

Gi a a UfmicZ`h`Y'7ci fgY

H\Y`ghi XmicZYa d]fY`]g`W]h]WU`]b`i bXYfghUbx]b[ `h`Y`dcghW`c`b]U`dfYgYbhz`h`Y`fY!Ya Yf[ YbW`cZYa d]fYz`  
dYfg]gh]b[ `dfcV`Ya g`cZ`X] [ Ybci g`f] [ `hg`UbX`hc`W`cb`Ya dcfUfmi bXYfghUbx]b[ g`cZ`i a Ub`f] [ `hg`a cfY`  
 [ YbYfU`m`H`g`W`i fgY`k`j`dfc] ]XY`U`W]h]WU`YI Ua ]bU]cb`cZ9i fcdYUb`W`c`b]U`]XYc`c [ ]Yg`UbX`dfUW]W`g`" `#`  
k`j`U`gc`Z`W`g`c`b`h`Y`]a dYf]U`YI dYf]YbW`g`cZ`W`c`b]nYX`dYcd`YgZ`c`c\_]b[ `Uhk`Um]`]b`k` \]W`h`YmYb[ U[ YX`  
k`]h`Ya d]fY`UW`c`gg`d`UW`g`UbX`h`a`Y`"

9a d]fYg`]b`K`cfX`<]ghcfm]k`j`cZYf`mci `h`Y`cddcfi b]m]hc`i bXYfghUbx`k` \Uh]a dYf]U`]ga`k`Ug`UVci hz`ck`]h`  
W`Ub[ YX`h`Y`Z]W`c`Z`h`Y`k`cfX`UbX`]hg`]a dUW]cb`h`Y`dfYgYbhz`h`Y`W`i fgY`k`j`Z]a`]Uf]nY`mci`k`]h`\_Ym`  
W`bW`d]gzh`YI`hg`UbX`a`Y`h`c`X`c`c [ ]Yg`Z`f`h`Y`ghi XmicZ`W`a`dUfU]h`Y`]a dYf]U`]ga`Ug`k`Y`Ug`YUf`m`a`cXYfb`UbX`  
a`cXYfb` \]ghcfm`H`cgY`k`c`gi`W`W`ggZ`m`W`a`d`Y`h`h`g`W`i fgY`k`j`ghfYb[ h`Y`b`h`Y`f`UbU`m]W`UbX`  
fYgYUfW`g`\_]g`Ug`k`Y`Ug`h`Y`f` \]ghcf]W`\_]bck`YX`Y`"

7ci fgY`@YUfb]b[ `Ci h`W`a`Yg

%`5bU`mgY`\_YmY] Ybhz]XYUgZ`dYcd`Y`UbX`fYbXg`]b`]a dYf]U` \]ghcfm`  
&`F`YUX`c`b [ !h`fa`d`U`h`f`bg`]b`W`c`b]U`]ga`UbX`]a dYf]U` \]ghcfm`UbX`i bXYfghUbx`h`Y`f`g] [ b]Z]W]bW`  
'`" `9b [ U[ Y`k`]h`W]h]WU`XYVU`h`g`c`b]a dYf]U`]ga`UbX`]hg`Y [ UW]Yg`  
(`" `5bU`mgY`UbX`]b`h`f`d`f`Y`h`X`c`W`a`Y`b`h`g`  
)`" `7cbXi`W]h]bXY`d`Y`b`XY`b`hg`W`k`c`U`f`m`Y`bei`]fm`

HYUW`]b[ `G`h`f`U`h`Y [ ]Yg`

F`U]cbU`Y.`h`h`Y`W`i fgY`]g`XYg] [ bYX`hc`Y`b`W`i`fU [ Y`gh`XYb`hg`hc`Y`b [ U [ Y`W]h]WU`mik`]h`d`U`gh`UbX`W`ffY`bh`  
XYVU`h`g`UVci`h`9i`fcdYUb`]a`dYf]U`]ga`UbX`]hg`]a`dUW]cb`W`c`b]gYX`UbX`W`c`b]g]b [ `gc`W]Y`h]Yg`" `#`k`j`U`gc`  
]b`f`c`Xi`W`gh`i`XYb`hg`hc`fY`W`b`h`f`Y`g`Y`U`f`W`c`b` \i`a`Ub`f] [ `hg`UbX`h`Y`f] [ `hg`c`Z`X] [ Ybci`g`d`Y`cd`Y`g`" `9UW`k`YY`\_`  
U`gd`Y`W]Z]W]g]gi`Y`k`j`VY`h`Y`Z`W`g`c`Z`h`Y`f`YUX]b [ gZ`h`Y`Y`W`i`fY`UbX`h`Y`g`Ya`]b`U`f`X]g`W`g]cb`"

G`h`f`U`h`Y [ ]Yg.`h`h`Y`f`YUX]b [ gZ`U`V`U`g`YX`c`b`g`W`k`c`U`f`m`]h`f`U`h`f`Y`z`d`f`c`j`]X`Y`W`b`h`i`h`U`]b`Z`f`a`U`h]cb`" `h`h`Y`c`b`Y`!`c`i`f`  
`Y`W`i`fY`dfYgYb`hg`9i`fcdYUb`]g]cbg`cZYa`d]fY`VmYI`d`c`f]b [ `h`Y`\_Ym]XYUgZ]XYc`c [ ]Yg`UbX`g`mg]h`a`g`h`U`h`  
gi`ddcf]h`X`Ya`d]fY`!`Vi`]X]b [ `UbX`a`UbU [ Ya`Y`b`h`f`h`h`Y`&b`X`UbX`" `f`X` \ci`fgZ`k`Y`k`j`Z`W`g`c`b`h`Y`j`c]W]g`c`Z`  
Ya`d]fY`Vm]g]h`X`m]b [ `X`c`W`a`Y`b`hg`d`f`c`Xi`W`X`V`m]h`cgY`k`c`j`YX`]b`h`cgY`Ya`d]fYg`f`W`c`b]gYX`dYcd`YgZ`  
c`Z]W]U`gZ`g`Y`h`Y`fg`E`K`Y`U]a`hc`i`bXYfghUbx` \ck`]a`dYf]U`gi`V`Y`W]h]YI`dYf]YbW`X`Ya`d]fYz`]b`c`h`Y`f`k`cfX`gZ` \ck`  
h`Y`m`Y`b [ U [ Y`k`]h`]hg`]XYc`c [ ]YgZ`ghf`W`i`fYg`UbX`dc`]W]Yg`C`i`f`dYfgdYW]j`Y`f`h`Y`]a`dYf]U`gi`V`Y`W]h]dc]b]hc`Z`  
j`]Y`k`E`U`ck`g`U`a`cfY`W`a`d`YI`i`bXYfghUbx]b [ `c`Z]a`dYf]U`]ga`UbX`]hg`Y`Z]W]g`c`b`gi`V`Y`W]h]dYcd`Yg`"


Hi fb]hb'gYhb[ . H\]g'Ugg][ ba Ybh]g'gi Va ]hX'hfci [ \ 'Hi fb]hb'UbX'ghi XYbhg'Xc' bchgYY'Hi fb]hb  
g]a ]Uf]mfYdcfrg"

5ggYgga Ybh' . 7`Ugg'hYgh

GHUfhXUHY . %&#\$, #&\$%- '\$- . \$\$'5A

@Yb[ h. %\$\$'a ]bi hYg

8YhU]`g. !WUgg'hYgh`cb[ 'Ubkg Yf'ei Ygh]cbg" Gh XYbhg'fYW]j Y'U'bi a Yf]W]'a Uf\_'UbX'Wcbgi `h'hY'`YWh fYf  
ZcfZ fhYfZYXVUW\_"

Hi fb]hb'gYhb[ . H\]g]g'bchU'Hi fb]hb'Ugg][ ba Ybh


K YY_%%'5i [i gh! '* 5i [i gh	@YWh fY	7`Ugg'hYgh
----------------------------------	---------	------------

F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

K YY\_ma UbXUhcfmfYUX]b[ g`UfY`Uj U]UV`Y`cb`A ccX`Y"

F YWca a YbXYX`F Ygci fWg

Mci`g\ci`X`Vi mi<YUkYf`GhfYYhg!GU`h`f`UbX`HfYj`cf`F`"; Ymž7\_ b[dMē S` V 5a`a` [Mē [ fZW? aVWd` I` adV,  
3 9`āTS^BWēbWUf[hWfBYk`Mcf\_`C I`ZcfX`I` b]`Yfg]mDfYggž`&`\$`%`Ł`H\]g`Vcc\_`]g`Uj U]UV`Y`UhkY`I` BGK  
6cc\_ghc`fY`"H\YfY`UfY`U`gc`U`Wēi`d`Y`cZWēd]Yg`]b`h`Y`<I` 7`UhkY`"VfUfm`I` bZ`fhi`bUf`m`h`k`Y`fY`]g`bc`Y!  
WēdmiUj U]UV`Y"

5XX]hcbU`fYUX]b[ g`cb`k`YY`\_`mhc`d]Wg`WU`b`VY`Zci`bX`cb`h`Y`A`ccX`Y`Wēi`fgY`dU[`Y"

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

Gh`XYbhZYXVUW\_k`j`"VY`[`UhkYfYX`j`]U`A`m9I`dYf]YbW`U`h`k`Y`Y`b`X`c`Z`h`Y`Wēi`fgY`UbX`h`fci`[`\`U`Vf]YZ]b!WUgg  
Yj`U`i`Uh]cb`Xi`f]b[`h`k`Y`f]a`Yg`h`f"



Gi Va ]gg]cb`cZ5ggYgga YbhHUg\_g

Gi Va ]gg]cb`cZ5ggYgga YbhHUg\_g

Hi fb]hb`Gi Va ]gg]cb

Ʒmci`YbWci`bhYf`U`dfcV`Ya`k`Yb`U`H`Ya`dh]b[`hc`gi`Va`]hmc`i`f`Ugg][`ba`Ybh`h`fci`[`\`Hi`fb]hb`z`d`YUgY`  
H`Y`d`l`cb`Y`9I`H`fb`U`Gi`ddcfh`cb`-`,`),`"`,`'`,`%`cf`Ya`U]`h`Ya`cb`YI`H`fb`U`H`h`gi`ddcfh`4`i`bgk`"YXi`"Ui`"Gi`ddcfh`  
`l`ci`fg`UfY`,`.\$\$Ua`-`%\$.\$\$da`cb`k`YY`XUmg`UbX`-`.\$\$Ua`-`).\$\$da`cb`k`YY`YbXg`fI`\*)`XUmg`U`m`Y`UfL`Ʒmci`  
UfY`i`bUV`Y`hc`gi`Va`]hmc`i`f`Ugg][`ba`Ybh`Xi`Y`hc`U`Z`U`h`k`]h`Hi`fb]hb`mci`a`Um`Udd`m`Z`f`Ub`YI`H`bg]cb`z`Vi`hmc`i`  
a`i`gh`f`Y`h]b`mci`f`h]W`Y`h`bi`a`VY`f`Z`ca`9I`H`fb`U`Gi`ddcfh`f`U`cb[`k`]h`Ub`m`c`h`Y`f`f`Y`j`Ub`h`X`c`W`a`Y`b`h`g`L`hc`  
]b`Wi`X`Y`U`g`Y`j`]X`Y`b`W`hc`gi`ddcfh`mci`f`YI`H`bg]cb`Udd`]W`h]cb"Ʒmci`Ya`U]`9I`H`fb`U`Gi`ddcfh`mci`k`]`  
Ui`hc`a`U`h]W`m`f`Y`W`j`Y`U`h]W`Y`h`bi`a`VY`f`z`Vi`h]Z`mci`H`Y`d`l`cb`Y`mci`k`]`b`Y`Y`X`hc`gd`Y`W`Z`W`m`U`g`\_`Z`f`cb`Y`  
Hi`fb]hb`U`gc`d`fc`j`]X`Y`g`i`d`X`U`H`g`i`cb`h`Y`j`f`g`m`g`h`Ya`g`h`U`h`g`i`cb`H`k`]h`Y`f`"

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

:`cf`]b`Z`c`fa`U`h]cb`cb`\`ck`hc`gi`Va`]h`Ugg][`ba`Y`bh`g`cb`]b`Y`j`]U`A`cc`X`Y`.\`h`td`g`#`gh`X`Y`bh`i`bgk`"YXi`"Ui`#`ack`!  
gi`Va`]h`Ugg][`ba`Y`bh`a`cc`X`Y`"

## 5 WUXYa ]W<c bYghmiUbX 'D`U[ ]Uf]ga

D`U[ ]Uf]ga ]g'i g]b[ 'hY'k cfXg'cf]XYUg'cZchYfg'UbX'dfYgYbh]b[ 'hYa 'Ug'mci f'ck b" #WUb'hU\_Y'a Ubm  
Zcfa gZ'Zca 'XY'jVYfUHy'WXYU]b[ 'hc'UWVXYbU'mW'cdm]b[ 'Zca 'U'gci fW'k ]h'ci hUW\_bck 'YX[ Ya Ybh'

I BGK '[ fci dg'd`U[ ]Uf]ga ]bhc'hY'Zc`ck ]b[ 'WUHY[ cf]Yg.

7cdm]b[ .i g]b[ 'hY'gUa Y'cf'j Yfmg]a ]Uf'k cfXg'hc'hY'cf][ ]bU'hYI hcf'jXYU'k ]h'ci hUW\_bck 'YX[ ]b[ 'hY  
gci fW'cf'i g]b[ 'ei chU]cb'a Uf\_g" 'H\]g'U'gc'Udd'jYg'hc'ja U[ YgZ'UfhUbX'XYg][ b'dfc'YWgZ'Ug'k Y''Ug  
dfYgYbU]cbg'k \YfY'gca YcbY'dfYgYbh]g'UbchYf'g'jXYUg'cf'k cfXg'k ]h'ci hW'YX]h'

#Uddfcdf]UHY'dUfUd\fUg]b[ .7\Ub[ ]b[ 'U'ZYk 'k cfXg'UbX'd\UgYg'k \]Y'a cghmiFYU]b]b[ 'hY'cf][ ]bU'  
g]fi W'i fY'UbX'#f'dfc[ fYgg]cb'cZ]XYUg'cZ'hY'cf][ ]bU'Z'UbX'j]bZcfa U]cb'k ]h'ci hUW\_bck 'YX[ Ya Ybh' 'H\]g'U'gc  
Udd'jYg'j]b'dfYgYbU]cbg'k \YfY'gca YcbY'dUfUd\UgYg'UbchYf'g'jXYUg'cf'k cfXg'k ]h'ci hW'YX]h]UbX'hc



5 WUXYa ]WbZcfa Uhcb`

: cfYggYbhU`ghi XYbh]bZcfa Uhcb`fY`Uh]b[ `rc.

• fYei Yghg`ZcfYI hYbg]cb/

