



# ARTS2698

☺HYfW`hi fU`☺HYfUW]cb

HYfa`C.bY`##`&\$%-



GWcc`cZ<i a Ub]hYg`UbX`@Ub[i U[Yg`##`I BGK`..5ftg`UbX`GcWU`..GWYbWg

7ci fgY`Cj Yfj JYk

`GHUZZ7cbhUWhi8YHUJ`g`

`7cbj Ybcfg`

B Ua Y	9a Uj`	5j Uj`UVj]m	@WWhcb	D\cbY
5b]i` < Uhcgg	U"Uhcgg4 i bgk "YXi "Ui	H\i fgXUmj %da !' da	A cfj Yb`6fck b &&\$	\$& - ' , ) , ' ( \$

`Hi hcfg`

B Ua Y	9a Uj`	5j Uj`UVj]m	@WWhcb	D\cbY
F Uma cbX; Uhm	\U`4 i bgk "YXi "Ui	fV"U"		

GWXcc``7cbhUWhi`bZcfa Uhjcb

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

@WWhcb. `GWXcc``C ZWZA 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]bHg`\*`

Gi a a UfmicZ\hY'7ci fgY

Gi VYWh5fYU.`>[ Yg[ef]Ue

H\]g`Wci fgY'j ]Yk g`]bHfUW]cb`Ug`hY`a UbU[ Ya YbhcZWca a i b]WU]cbz`]bW X]b[ `bY[ ch]U]cbz`WcbZ]WhUbX  
dck Yf`fY`U]cbg" `h]g`XYg][ bYX`Zcf`gh XYbHg`k ]h`Ub`]bHfYgh]b`]bHfW`h`fU`]bHfUW]cbz`gi W  
Ug`Wca a i b]WU]cb`Ua cb[ `dYcd`Y`Zca`X]ZYfYbh`Ub[ i U[ Yg`UbX`W`h`fYg`]b`j`Ufm]b[ `WcbHl`hg" `Mci`k`j`Z]bX  
hY`Wci fgY`fY`Yj`Ubh`c`a`Ubm]Z`Y`Xg`c`Zgh`Xmž`ck`]b[ `hc`hY`]bWfYUg]b[ `d\Ybca`Ybcb`cZ[ `cVU`]gU]cb`]b`U`  
UgdYW]g`cZci`f`dc`]h]W]ž`Y`Wcbca`]Wž`dfc`Z`gg]cbU`UbX`gc`W]U`]]`Yg`" `Mci`k`j`" `Yl`d`cfY`hY`VUg]WWcbWf`d`hg`cZ  
]b[ i ]gh]WUbX`bcb!`]b[ i ]gh]WfYU]gU]cbg`cZW`h`fYž`Ug`k`Y`" `Ug`Ub`i`bXYfg]UbX]b[ `cZ\ck`h`YgY`d`Umici`h]b



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

5 hYbX

5 hYbXU  
cZ@YVW

hYbXU  
h hcfjUg

7 ci fg

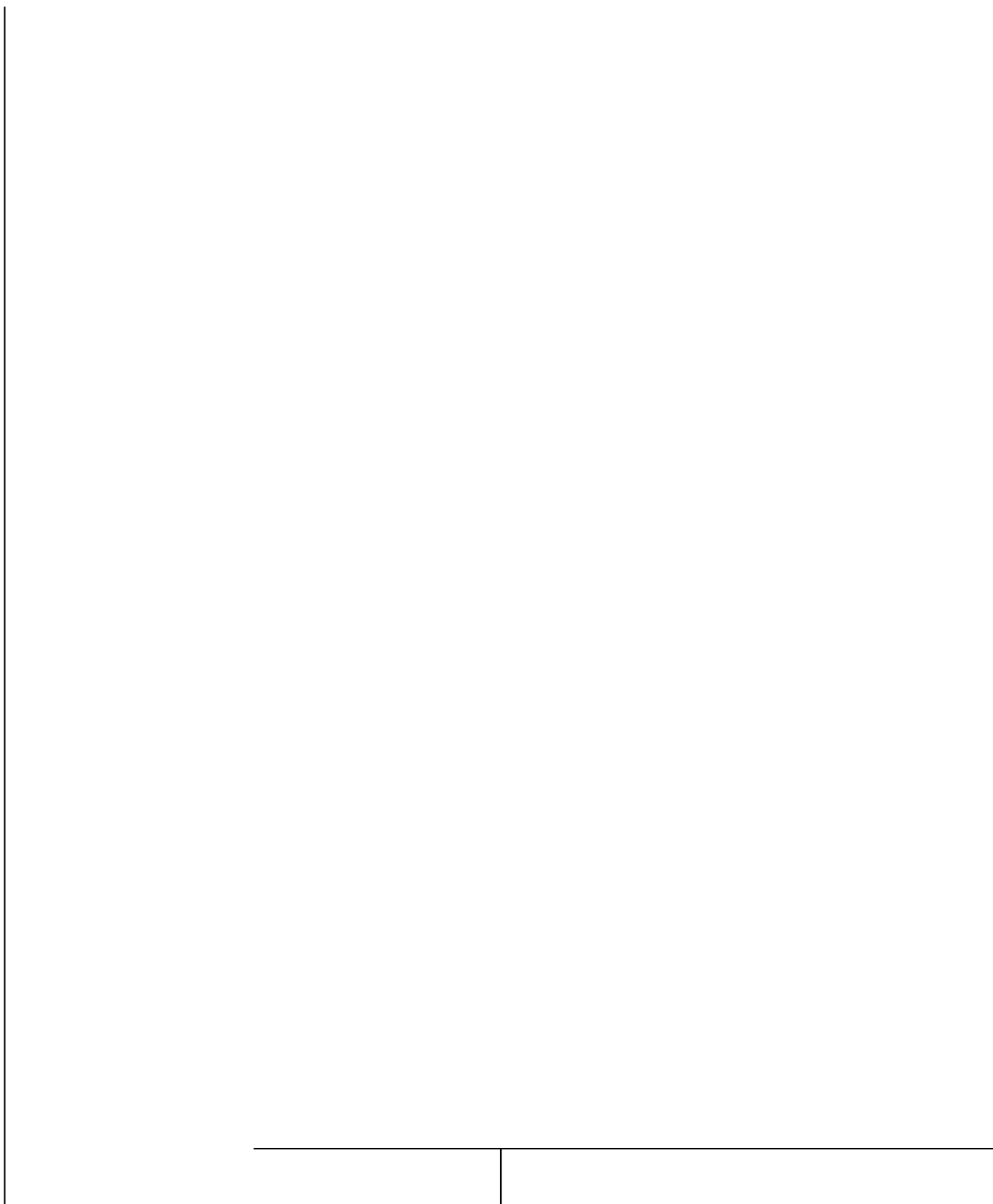
[J Yk WUg](#)

Hja YhUV

fgY"i bYI W gYX'UVgYbW'Zca 'a cfY'h\Ub'&\$i

hYbX'YbUV'j b[ 'mci 'hc'UhtU]b'7 @C '&'UbX'7 @C' "'h  
hYbUV'j b[ 'mci 'hc'UhtU]b'7 @C' 'UbX'7 @C' ("

8 UHY		hYbh
K YY_ '% % : YVfi Ufm		h]bhYfW 'hi fU' Vta a i b]WUhc b3 <ul style="list-style-type: none"><li>6ck YzA Ufh]b / 'A Ubbgz'W "% '7i 'hi fYz Vta a i b]WUhc b'UbX'VcbYI h</li><li>7 fci WXYf'7 \ '% 'K \m- hYfW 'hi fU' 7 ca a i b]WUhc b3 fVta a i b]WUhc b'hYcfrt</li></ul> A ccX'Y'Zcf'jbgfi W]cbg"
K YY_ '& .& ) : A UfW		f]Yg'cZW 'hi fY <ul style="list-style-type: none"><li>7 fci WXYf'7 \ '% ) '7i 'hi fY'UbX'j U'i Yg'j b'7</li><li>&lt; i U'7 \UdhYf'%%H\Ycf]Yg'cZW 'hi fY</li></ul> d'YH'X]gW gg]cb Zcfi a 'ei Yghcbg]b'A ccX'Y"
K YY_ " . ( 'A UfV A UfW		i U[ Y'UbX'W 'hi fY <ul style="list-style-type: none"><li>7 fci WXYf'7 \ '% + - '@Ub[ i U[ Y'UbX hYfW 'hi fU'7 ca a i b]WUhc b'f@Ub[ i U[ Ygž ]XYb]mž]XYc'c[ mžGUd]f'K \cfz</li></ul>
7i 'hi fY! A UfW	h]bY'5Wij]m	7 ca d'YH'X]gW gg]cb Zcfi a 'ei Yghcbg]b'A ccX'Y"



## F Ygci fWg

### DfYgWf]VYX`F Ygci fWg`

6ck Yž<"žA Ufh]bž?"žUbX`A Ubbgž<"f&\$%( Ł"7 ca a i b]WU]cb`UWfcgg`7i`hi`fYg.`A i h U`i bXYfghUbX]b[ `]b`U [ `cVU`k cfX"·&<sup>bX</sup>·YX]h]cb"·A Y`Vci fbY. `7 Ua Vf]X[ Y`i b]j Yfg]hmDfYgg"

7 fci WXYfžG"A "·f&\$%+Ł; `cVU`DYfgdYW]j Yg`cb`·hYfW`hi`fU`7 ca a i b]WU]cb"·F ci hYX[ Y. `BYk `Mcf\_"`GYY Y6cc\_"

<i UžN\i`f&\$%( Ł`9i d`cf]b[ `·hYfW`hi`fU`7 ca a i b]WU]cb"·%gh9X]h]cb"·F ci hYX[ Y"·GYY Y6cc\_"

### F YWca a YbXYX`F Ygci fWg

GdYbWwf!C UHynž<"UbX`i`fUb\_]bžD`f&\$%- Ł`·hYfW`hi`fU`·hYfUW]cb"·DU`[ fUj Y"

>ci fbU`g

- hYfbU]cbU`>ci fbU`cZ·hYfW`hi`fU`·F Y`U]cbg
- 7i ffYbh·ggi Yg`]b`·hYfW`hi`fU`·DfU[ a U]Wg

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

H\]g`Wci fgY`]g`Yj U`i UH`X`h`fci [ \`h`Y`A m9i dYf]YbW`gi fj YmiUbX`h`fci [ \`]bZcfa U`ZYXVUW\_"`H\Y`Wci fgY`]g`fY[ i`Ufmi dXUH`X`]b`fYgdcbgY`h`c`gh`XYbhZYXVUW\_"`H\]g`bYk`j`Yfg]cb`i`gYg`]bbc] U]j`Y`dfc`YW]VUgYX UggYgga Ybhk`YfY`gh`XYbh]W]b`k`cf\_`cb`h`Y]f`ck`b`XUH`UbX`Udd`mi`h`Ycf]Yg`]b`dfUW]W"



Gi Va ]gg]cb`cZ5ggYgga YbhHUg\_g

Gi Va ]gg]cb`cZ5ggYgga YbhHUg\_g

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

Ẓmci `YbWci bhYf`U`dfcV`Ya `k \Yb`U`H`Ya dh]b[ `hc`gi Va ]hmc i f`Ugg][ ba YbhHfci [ \`Hi fb]h]bžd`YUgY  
H`Yd\cbY`9I H`fbU`Gi ddcfhcb`-` , ) `` `` ` %cf`Ya U]`H`Ya `cb`YI H`fbU`H`hgi ddcfh4 i bgk "YXi "Ui ``Gi ddcfh  
\ci fg`UfY` , .\$\$Ua `--`%\$. \$\$da `cb`k YY\_XUmg`UbX`- . \$\$Ua `--` ) . \$\$da `cb`k YY\_YbXg`fI \*) `XUmg`U`m`Y`UfL` Ẓmci  
UfY`i bUV`Y`hc`gi Va ]hmc i f`Ugg][ ba YbhXi Y`hc`U`ZU`i`hik ]H`Hi fb]h]b`mci `a UmiUdd`miZc`f`Ub`YI H`bg]cbžVi hmc i  
a i ghfY`H]b`mci f`h]W`Yhbi a VYf`Zca `9I H`fbU`Gi ddcfhfU`cb[ `k ]H`Ubmch`Yf`fY`Yj UbhXcW a Yb`hgL`hc  
]bWi XY`Ug`Yj ]XYbW`hc`gi ddcfhmci f`YI H`bg]cb`Udd`]W]h]cb" Ẓmci `Ya U]`9I H`fbU`Gi ddcfhmci `k ]`

# 5 WUXYa ]W<c bYghmUbX`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" `hWUb`hU`Y`a Ubm  
Zcfa gZ`Zca `XY`]VYfUHY`WXYU]b[ `hc`UWV]XYbhU`mW`dm]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.

7 cdm]b[ .`i g]b[ `hY`gUa Y`cf`j Yfmg]a ]Uf`k cfXg`hc`hY`cf][ ]bU`hYI hcf]XYU`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`]Yg`hc`]a U[ YgZ`UfhUbX`XYg][ b`dfc`YWgZ`Ug`k Y`Ug  
dfYgYbhU]cbg`k \YfY`gca YcbY`dfYgYbh]g`UbchYf`g]XYUg`cf`k cfXg`k ]h`ci hW`YX]h`

hUddfcdf]UHY`dUfUd`fUg]b[ .`7`Ub[ ]b[ `U`ZYk `k cfXg`UbX`d`fUgYg`k \]Y`a cghmifYU]b]b[ `hY`cf][ ]bU`  
ghfi W`i fY`UbX`#`f`dfc[ fYgg]cb`cZ]XYUg`cZ`hY`cf][ ]bU`Z`UbX`]bZcfa U]cb`k ]h`ci hUW`bck`YX[ Ya Ybh`H\]g`U`gc  
Udd`]Yg`]b`dfYgYbhU]cbg`k \YfY`gca YcbY`dUfUd`fUgYg`UbchYf`g]XYUg`cf`k cfXg`k ]h`ci hW`YX]h`UbX`hc  
d]YW]b[ `hc[ Y`hYf`ei chYg`UbX`dUfUd`fUgYg`]bhc`U`bYk `k \c`Y`Z`k ]h`ci hUddfcdf]UHY`fYZYfYbW]b[ "

7 c`i g]cb.`k cf\_]b[ `k ]h`chYfg`Vi hdUgg]b[ `cZ`hY`k cf\_]Ug`U`dYfgcb`g`]bX]j ]Xi U`k cf\_]7 c`i g]cb`U`gc  
]bWi XYg`dfcj ]X]b[ `mci f`k cf\_]hc`UbchYf`gh`XYbhVYZc`fY`hY`Xi Y`XUHY`Zc`f`Zc`hY`di fdcgY`cZ`hY`a

- i bXYfghUbx'mci f'f][ \hg'UbX'fYgdcbg]V]h]Yg'Ug'U'gh XYbhUhl BGK
- VY'Uk UfY'cZd'U[ ]Uf]ga ž'Wc'dmf][ \hž' BGK 'Gh XYbh7cXY'cZ7cbXi W'Ubx'5W'W'dhUV'Y'I gY'cZ  
I BGK '⇒H'F'Ygci f'W'g'Dc`]W'h
- VY'Uk UfY'cZ'Y'ghUbxUfXg'cZVY\Uj ]ci f'YI dY'W'X'cZYj Yfmcby']b'h'Y'I BGK 'W'a a i b]m
- `cW'W'h'gYfj ]W'g'UbX' ]bZcfa U]cb'UVci hl BGK 'UbX'I BGK '@]VfUfm

Gca Y'cZ'Y'gY'UfY'Ug'k ]`VY'ZJa ]]Uf'hc'mci ž'c'h'Y'fg'k ]`VY'bYk "; U]b]b[ 'U'gc`X'i bXYfghUbx]b[ 'cZU`'h'Y  
fY'U'Y'X'UgdY'W'g'cZ9@G9'k ]`'Y'd'mci 'a U\_Y'h'Y'a cghcZmci f'gh X]Yg'Uhl BGK ""

[\h'c.#\]i V'Y'W'i \]X'Yg"\]VfUfm'i bgk "YXi "Ui #' \]gY#\]Vci h' \]gY](#)

5 WUXYa ]WbZcfa Uhcb`

: cfYggYbh]U`ghi XYbh]bZcfa Uhcb`fY`Uh]b[ `hc.

- fYei Yghg`ZcfYI hYbg]cb/
- `UhY`gi Va ]gg]cbg`[ i ]XY`]bYg/
- fYj ]Yk `cZa Uf\_g/
- I B GK `<YU`h`UbX`GUZY`midc`]WYg/
- YI Ua ]bUh]cb`dfcVWXi fYg/
- gdYW]U`Vc]bg]XYfUh]cb`]b`hY`Yj Ybhcz]`bYgg`cf`a ]gUXj Ybh fY/
- ghi XYbhYei ]hmUbX`X]gUV`]`hm/
- UbX`chYfYggYbh]U`UWUXYa ]W]bZcfa Uh]cbz`gYY

[\hdtg.##k k k "Uftg"i bgk "YXi "Ui #W ffYbhghi XYbh\]bZcfa Uhcb`dfc\]Vc`g!\[ i \]XY`\]bYg#](#)

⇒ U[ Y`7fYX]h

[I B9G7C. : `cVU`7\]hnYbg\\]d`9Xi W\]h\]cb`pGH5G< `A 5: 5N-B9` \hdtg.## cc"\[ `#a U\[ Yg# >BhN`](#)

7F ⇒ CG

7F ⇒ CG`Dfcj ]XYf`7cXY. \$\$\$- , ;