



ARTS1360

Hfi h 'UbX' < i a Ub '9l]ghYbWV. : ðhfcXi W]cb 'hc 'D\]'cgcd\m
fP%5 Ł

HYfa 'C bY' '# '&\$%-

7 ci fgY`Cj Yfj JYk

`GHUZZ`7 cbhUW`i8YHUJ`g`

`7 cbj Ybcfg`

B Ua Y	9a Uj`	5j Uj`UVj`]m	@cWUj`cb	D\cbY
A jWUY`jg`A jWUY`	a "a jWUY`4 i bgk "YXi "Ui	H\i fgXUm%&bccb! %da	A cfj Yb`6fck b 6i jX]b[ž F cca ` ` &)	- ' ,) &% ')

`@WU`i fYfg`

B Ua Y	9a Uj`	5j Uj`UVj`]m	@cWUj`cb	D\cbY
? Ufmb`@Uj`	_`"Uj4 i bgk "YXi "Ui	Hi YgXUm`g`%Ja `! %&bccb	A cfj Yb`6fck b fcca ` ` &*	- ' ,) %%- ()
<Y]_]`=U\Y]a c	\`"U\Y]a c4 i bgk "YXi "Ui	H\i fgXUm%&da "	F a ` ` &% A cfj Yb`6fck b	- ' ,) &' +'

GW\cc`7 cbhUW`i`bZcfa Uj`cb

GW\cc`cZ<i a Ub]hYg`UbX`@Jb[i U[Yg

@cWUj`cb. `GW\cc`C ZjW`žA cfj Yb`6fck b`6i jX]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](#)

7 ci fgY'8YHJ]`g

7 fYX]hDc]bhtg '*`

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

H\]g`Wci fgY`UXXfYggYg`WcfY`d\]cgcd\]WU`ei Ygh]cbg`UVci h_bck`YX[YžfYU`]mž`UbX`\i a`Ub`YI`]ghYbW`
Mci`k`j`YI`Ua`]bY`k`\Uh]ha`YUbg`Zcf`gca`Yh]b[`'hc`VY`fhi`Y`UbX`\ck`k`Y`_bck`k`\YhYf`gca`Yh]b[`]g
fhi`Y/k`\UhUFY`h`Y`Z`bXUa`YbH`g`cZ`h`Y`i`b]j`YfgY`UbX`h`Y`d`UW`cZgWY`bW`UbX`fY`] [cb`]b
X]gWf]b]b[`h`Ya`/k`\UhUFY`h`Y`VUg]WVcbgh]h`Ybhtg`cZ`i`a`Ub`gcWY`h]Ygž`UbX`\ck`U`h`YgY`ei`Ygh]cbg`UFY
fY`UH`X`h`c`k`\Uh`UbX`k`\c`mci`UFY`" `#`]bj`Ygh] [U]b[`h`YgY`hcd]Wg`k`Y`k`j`gh`Xmi`h`Y`j`]Yk`g`cZ`Vch`WUgg]WU`
UbX`Wcb`h`Ya`dcfUfmid\]cgcd\Yfg`H\]g`Wci fgY`k`j`\Y`d`mci`XYj`Y`cd`h`Y`W`h]WU`UbX`UbU`m]WU`h]b_]b[
g_]`g`b`Y`W`ggUf`m`Zcf`UXj`UbW`X`gh`Xmi`UbX`mci`f`Z`h`fY`WUfY`f`K`\]Y`h`]g`]g`U`gh`UbX`U`cb`Y`]b`h`c`Xi`W`c`fm
Wci fgYž`]h`W`b`VY`i`gY`Z`m`Wca`V]bYX`k`]h`5F`HG%`*%`A`]bXž`9`h`]Wgž`UbX`::`fY`Y`X`ca`!`#`f`c`Xi`W]cb`h`c
D\]cgcd\mf%6E`

7 ci fgY`@YUfb]b[`C`i`h`Wca`Yg

%`9I`d`U]b`W`b`f`U`W`c`b`W`d`h`g`]b`Y`d`]g`h`Ya`c`c`[`mž`a`Y`h`U`d`\`m`g]Wgž`UbX`gcW]U`UbX`YI`]ghY`b`h]U`d\]cgcd\m`
&`7`f]h]WU`m`Y`j`U`i`U`h`Y`U`f`[`i`a`Y`b`h`g`]b`Y`d`]g`h`Ya`c`c`[`mž`a`Y`h`U`d`\`m`g]Wgž`UbX`gcW]U`UbX`YI`]ghY`b`h]U`
d\]cgcd\m`
'`5`gg`Y`gg`h`Y`Wca`d`U`f`U`h]j`Y`a`Y`f]h`g`c`Z`X]g`h]b`W`h`d`c`g]h]c`b`g`]b`Z`c`i`b`X`U`h]c`b`U`k`c`f`_`g`]b`K`Y`ghY`f`b`
Y`d`]g`h`Ya`c`c`[`mž`a`Y`h`U`d`\`m`g]Wgž`UbX`gcW]U`UbX`YI`]ghY`b`h]U`d\]cgcd\m`
(`#`h`Y`f`c`[`U`h`Y`W`b`c`b]WU`h`YI`h`g`]b`K`Y`ghY`f`b`Y`d`]g`h`Ya`c`c`[`mž`a`Y`h`U`d`\`m`g]Wgž`UbX`gcW]U`UbX`YI`]ghY`b`h]U`
d\]cgcd\mž`UbX`YI`Ua`]bY`\ck`h`Y`m`U`j`Y`]b`Zi`Y`b`W`X`W`c`b`h`Ya`dcfUfmgcWY`fm`UbX`]b`gh]h`h]c`b`g`"

HYUW\]b[`G`h`f`U`h`Y`[`]Y`g`

H\Y`Wci fgY`]g`h`U`i`[`\`h`h`f`c`i`[`\`h`k`c`c`b`Y!\`ci`f`k`Y`Y`_`m`Y`W`h`f`Y`g`UbX`U`cb`Y!\`ci`f`k`Y`Y`_`m`h`h`c`f]U`ž`d`i`g`g]i`\`ci`fg`
c`Z`c`b`]b`Y`U`W`h]j`]h]Y`g`c`j`Y`f`h`Y`Wci fgY`c`Z`h`Y`h`Y`fa`" `H\Y`Y`W`h`f`Y`g`U`gc`d`f`c`j`]X`Y`]a`d`c`f`h`U`b`h`V`U`W`_`[`f`c`i`b`X`h`c`h`YI`h`gž`
h`Ya`Y`gž`UbX`Z]i`f`Y`g`YI`Ua`]bYX`]b`h`Y`Wci fgY`" `H\Y`h`h`c`f]U`g`d`f`c`j`]X`Y`h`Y`c`d`d`c`f`h`b]m`h`c`X]g`W`gg`h`Y`
f`Y`U`X`]b`[`g`UbX`h`c`d]Wg`Wci`Y`f`Y`X`]b`h`Y`Y`W`h`f`Y`g`UbX`c`b`]b`Y`U`W`h]j`]h]Y`g`"

5ggYgga Ybh

U`cZHYgY'a UHYfg'WXYW_k]h'A ccX'Y'ZcF'hY'a cghi d'hc'XUHY']bZcfa UH]cb'fY'UHYX'hc'hja]b[žXi Y'XUHYgž
YhW'

5ggYgga YbhHUg_g'

		?]bXg'cZDfcdYfhYg"
	5ggYgga Ybh	C b`]bY`E i]n`%
K YY_*.) 'A UfW ! " % A UfW	@YWi fY	7 Ui gU]cbž8YHYfa]b]ga `UbX': fYY`K]`
	F YUX]b[< i a Yž“7 cbghUbh7 cb↑ bW]cb”/@Yk]g “7 Ui gU]cb”
	5ggYgga Ybh	5ggYgga Ybh5bU`m]g`8i Y
K YY_+. :%5df]`!'+5df]	@YWi fY	H]a Y`HfUj Y`/`Hfi hž@]Yg`UbX`6i ``g\]h
	F YUX]b[@kw]gž;“H`Y`h`D`U`P`A`X`a`d`o`c`e`z`H`o`r`Y`h`f`l`u`j`Y`”/a`v`l`b`_`Z`F`r`a`n`k`f`u`r`t` A` `4g`eZ[FDF]bW]tcb`l`b]j`Yfg]mDfYggž&\$\$)
	6`YbXYX	7 f]h]W`5bU`m]g`UbX`K`f]h]b`[`G_]`g`A`ccX`Y`fcb h]a`m`e`l`g`l`a`u`c`s`&`t`i`o`n`g` (2 h o u r s)
K YY_ ; , : 5df]`!`% (5df]	@YWi fY	DYfgcb\ccX`UbX`DYfgcbU`]XYbh]m
	F YUX]b[8YbbYh “7 cbX]h]cbg'cZDYfgcb\ccX”“`đ`5`" `F`cfm fYX"Ł`F`Z`W;`V`W`f]f]W`e`a`X`B`W`e`a` `e`"l`b]j`Yfg]m`c`Z Z`l`a`]`Z`f`b`h`i`a`f`g`g`%`+`1`đ`%`6`!`%`7`5`-`1`9`6`. 9f]WC`gcb. “5b`5f[i a YbhZcf`5b]a U`]ga ”“`đ`k`U[`Yb /`N]a`a`Yfa`Ub`fYX"Ł`?`W`S`b`Z`k`e[`U`e`ž`F`Z`W`4`[`Y C`g`W`e`f`a` `e`ž`6`U`W`k`Y`“`&`\$`%`(``"
	5ggYgga Ybh	C b`]bY`E i]n`&

F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

GYY`A ccX`Y`Zcf`]bZfa Uh]cb`UVci hUWgg`hc`fYUX]b[g"

F YWca a YbXYX`F Ygci fWg

- GhUbZcfX`9bWwcdYX]U`cZD\]`cgcd`m`\`hdg.##`Uhc"ghUbZcfX"YXi #
- F ci hYX[Y`9bWwcdYX]U`cZD\]`cgcd`m`\`hdg.## k k "fyd" fci hYX[Y"Wca #`

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

A m9l dYf]YbW`]g`i gYX`hc`UggYgg`UbX`hc`]a dfcj Y`h\]g`Wci fgY"

Gi Va]gg]cb`cZ5ggYgga YbhHUg_g

Gi Va]gg]cb`cZ5ggYgga YbhHUg_g

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

≠mci`YbWci bHYf`U`dfcV`Ya`k`Yb`U`HYa`dh]b[`hc`gi`Va`]hmc`i`f`Ugg][`ba`Ybh`h`fci`[`\`Hi`fb]h]b`z`d`YUgY`
HY`Yd`cbY`9I`HYfbU`Gi`ddcfhcb`-`,`)`'`'`'`%cf`Ya`U]`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`fI`*)`XUmg`U`mY`UfL`≠mci`
UfY`i`bUV`Y`hc`gi`Va`]hmc`i`f`Ugg][`ba`YbhXi`Y`hc`U`ZU`hik`]h`Hi`fb]h]b`mci`a`Um`Udd`mi`Zc`f`Ub`YI`HYbg]cb`z`Vi`hmc`i`
a`i`ghfY`hU]b`mci`f`h]W`Yhbi`a`VYf`Zca`9I`HYfbU`Gi`ddcfhfU`cb[`k`]h`Ubmc`h`Yf`fY`Yj`UbhXcW`a`Yb`hgL`hc`
]bWi`XY`Ug`Yj`]XYbW`hc`gi`ddcfhmc`i`f`YI`HYbg]cb`Udd`]W]h]cb`≠mci`Ya`U]`9I`HYfbU`Gi`ddcfhmc`i`k`]`

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" `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`U`g
dfYgYbhU]cbg`k \YfY`gca YcbY`dfYgYbh]g`UbchYf`g`]XYUg`cf`k cfXg`k]h`ci hWYX]h`

hUddfcdf]UHY`dUfUd`fUg]b[.`7`Ub[]b[`U`ZYk `k cfXg`UbX`d`fUgYg`k \]Y`a cghmiFYhU]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 hWYX]hU`bX`hc
d]YW]b[`hc[YhYf`ei chYg`UbX`dUfUd`fUgYg`]bhc`U`bYk `k \c`Yz`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'j]bZcfa U]cb'UVci hi BGK 'UbX'I BGK '@]VfUfm

Gca Y'cZ'Y'gY'UfY'Ug'k]`VY'ZJa]]Uf'hc'mci ž'c'h'Yfg'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 WXYa]WbZcfa Uhcb`

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