



ARTS1780

7cbWdhg'cZ9i fcdY

HYfa 'H\fYY'##'&\$&\$

7 ci fgY`Cj Yfj]Yk

GHJZ7cbhJW`8YhU]`g

7cbj Ybcfg

B Ua Y	9a U]`	5j U]`UV]`]m	@cW]hcb	D\cbY
F cVYfh6i WX	F cVYfh6i WX4 i bgk "YXi "Ui	6mUddc]bħa Ybh	A cfj Yb`6fck b`&)%	-',)!, *('

GWXcc``7cbhJW`ħZcfa Uh]cb

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

@cW]hcb. `GWXcc``C Z]W`žA cfj Yb`6fck b`6i]X]b[ž@Yj Y``&ž&),

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

D\cbY. `ž*%&`-' ,) `)%*, %

: Ul. `ž*%&`-' ,) ; +\$)

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

7ci fgY'8YHJ]`g

7fYX]hDc]bhg`*`

Gi a a UfmicZh\Y'7ci fgY

K \Uh]g'9i fcdY3'<ck '\Ug']hVYYb'WcbW'j] YX'cj Yf'hY'Wbhi f]Yg'UbX'\ck '\Uj Y'hYgY'WcbWdh]cbg
W\Ub[YX3'<ck '\Uj Y'hYgY'WcbWdh]g\UdYX'cb[c]b['Wcbfcj Yfg]Yg'cj Yf'9i fcdYz]hg'g][b]Z\WbWz]hg
Ugd]fU]cbgž]hg'g\cfh\ca]b[g3'`h]g'Wci fgY'mci 'k]''YUfb'UVci h_YmWcbWdh]gž]bgh]h]cbgž'UbX

5ggYgga Ybh

5ggYgga YbhHUg_g`

5ggYgga YbhHUg_	K Y][\h	8i Y'8UH	Gh XYbh@YUfb]b[Ci hWta Yg'5ggYggYX
!WUgg`hYgh	')	%* #/\$#&\$&\$' %&.\$\$.DA	%&Z ž(ž)
K f]hYb`fYgdcbgYg`h fYUX]b[g`	&)	Bch5dd`]WUV`Y	&Z ž)
HU_Y`ca Y`YggUm	(\$	&(#/0#&\$&\$' \$-.\$\$.DA	%&Z ž(ž)

5ggYgga Ybh8YHJ]`g

5ggYgga Ybh%`!WUgg`hYgh

GhUfhXUH. Bch5dd`]WUV`Y

@Yb[h. `*\$`a bg

8YHJ]`g.

H\Y`b!WUgg`hYghk]`VY`*\$`a`]b`UbX`k]`[]j Y`gh XYbthg`Ub`cddcfh b]mhc`XYa`cbgfUH`hY]f`UV`]mhc`fYZYWz`UbU`mgY`UbX`g`ck`hY]f`i`bXYfghUbX]b[`cZhY`hYa`Ygž]ggi`Yg`UbX`XYVUH`g`Wc`j`YfYX`]b`hY`Wci`fgY"

Gh XYbthg`fYW]j Y`U`a`Uf`"F`YgdcbgYg`X]gW`ggYX`]b`WUgg"

5XX]h]cbU`XYHJ]`g.

H\Y`cb`]bY`hYgha`i`ghVY`hU`Yb`Xi`f]b[`hY`h`hcf]U``ci`fg`cb`:`f]XUm`C`bW`mci`ghUfhhY`hYghmci``Uj`Y`g]l`hm`a`]bi`hY`g`h`Wta`d`Yh`]f`i`

5ggYgga Ybh&. K f]hYb`fYgdcbgYg`h`fYUX]b[g`

GhUfhXUH. `7`cb]bi`ci`g`m]Zca`k`_%

@Yb[h. `&`\$`k`cfXg`)|`c`j`Yf`hY`Wci`fgY`cZhY`hYfa

8YHJ]`g.

K`YY`_`mei`Ygh]cbg`cb`hY`fYUX]b[g`k`]`VY`d`gh`XYbthg`XcW`a`Ybh`hY]f`fYUX]b[`UbX`h`]b`]b[`cb`hY`a`UHf]U`" Gh XYbthg`k`]`bYXX`h`gi`Va`]hZ] Y`gYthg`cZfYgdcbgYgž`YUW`cZa`Ul`ja`i`a`&`\$`k`cfXgž`c`j`Yf`hY`hYfa`Wcbg]gh]b[`cZU`fYgdcbgY`h`cbY`cZhY`fYUX]b[g`cZU`[]j`Yb`k`YY`_`UbX`U`X]gW`gg]cb`ei`Ygh]cb`cZhY]f`ck`b`cb`hY`chYf`k`YY`_`m`fYUX]b["H\fY`ci`hcZhY`Z] Y`gi`Va`]gg]cbg`]b`h`h`k`]`VY`a`Uf`_YX"

Gh XYbthg`fYW]j Y`U`a`Uf`"5`gYhcZgUa`d`Y`fYgdcbgYg`UbX`X]gW`gg]cb`ei`Ygh]cbg`k`]`VY`X]gW`ggYX`]b`WUgg"

5XX]h]cbU`XYHJ]`g.

A DCF H5BH-B: CFA 5H€B !D@95G9'F 958'75F 9: I @@M

F YgdcbgYg'UFY'Xi Y'H\i fgXUmYj Yb]b['&%'5g'h]g'bchdcgg]V'Y'hc'a Uf_]bX]j]Xi U'fYgdcbgYg'Zca k YY_'hc'k YY_ž'hY'fYgdcbgYg'k]'bYYX'hc'VY'fY!gi Va]hYX'Zc'f'a Uf_]b['j]b'hc'c'Vi bX'Yg"

H\Y'Z]fgh'k c'fYgdcbgYg'WU'V'Y'fY!gi Va]hYX'j]U'Hi fb]h]b'Ug'cZk YY_('UbX'g\ci 'X'VY'fY!gi Va]hYX'bc 'UH'f'h'Ub'k YY_*'"H\Y'Z]bU'h'fY'fYgdcbgYg'UFY'Xi Y'j]b'k YY_%\$ U'h'hY'UH'gh"

D@95G9'BC H9'H<5H'CB@MF 9GDC BG9G'DF 9J €I G@MGI 6A #H98' B'H<9'K 99?'H<9 F 958-B; G'K 9F 9'8-€7I GG98'K @@@69'5779DH98': CF'F 9!GI 6A €G€CB'5B8'A 5F? -B; "

H\Y'k YY_'mgi Va]gg]cb'Wcb]g]h'cZU'fYgdcbgY'hc'cbY'cZ'hY'dcgh'X'ei Ygh]cbg'5B8'U'X]gW'gg]cb ei Ygh]cb'cZ'mci f'ck b'UVci h'hY'c'hY'f'fYUX]b[""

: cf'k YY_g]b'k \]W' h'Y'fY'j]g'cb'micbY'fYUX]b[ž'mci f'fYgdcbgY'hc'h'Y'fYUX]b['g\ci 'X'U'gc'W'cb]b'U X]gW'gg]cb'ei Ygh]cb'cZ'mci f'ck b'cb'h'Uhk YY_f]g'fYUX]b[""

5'X]gW'gg]cb'ei Ygh]cb'j]g'U'ei Ygh]cb'h'Uhk ci 'X'YbX'j]h'Y'Z'hc'VY'X]gW'ggYX'j]b'h'Y'h'hc'f]U'"# g\ci 'X'bch'VY'U'ei Ygh]cb'UVci h'ZU'W'g'UbX'mci f'dY'f'g'g\ci 'X'VY'UV'Y'hc'fYgdc'bx'hc'j]h'V'U'g'YX'cb'h'Y'fYUX]b[""# c'h'Y'f'k c'f'X'g'ž]h'g\ci 'X'b'f'h'VY'U'ei Ygh]cb'h'Uhk ci 'X'f'Yei]fY'cbY'hc'Xc'U'XX]h]cbU'fYgYU'f'W'"M'ci 'U'fY'Y'b'W'ci fU[YX'hc'Y'UV'c'f'U'Y'cb'h'Y'ei Ygh]cb'mci fgY'Z'gc'U'g'hc'X'Ya'cb'g'f'U'Y'h'Y'X]fY'W]cb'mci f'X'k'U'bh'hc'[c'k]h'j]ž'h'Y'd'f'c'V'Ya' 'mci 'g'Y'Y_'hc'U'XX'f'Y'gg'"GI 6A €G€CB'H<5H'@57?'5 8-€7I GG€CB'E I 9GH€CB'CB@M7C I BH') \$i "

5ggYgga Ybh' .HU_Y'\ca Y'YggUm

GHUfhXUH' .& #%%#&\$&\$'\$. \$5A

@Yb[h. %ž) \$\$'k cfXg

8YhU]g.

Gh XYb]g'UFY'[]j Yb'hc'c'X'U'mg'hc'gi Va]h'Ub'Y'gg'U'mc'Z'W'%ž) \$\$'k cfXg" E i Ygh]cbg'UFY'XYg][bYX'hc'[]j Y gh XYb]g'h'Y'c'd'd'c'f'h' b]m'hc'X'Ya'cb'g'f'U'Y'h'Y'f'i b'X'Y'f'g'h'U'X]b['c'Z'h'Y'h'Y'a Y'g'ž]ggi Y'g'U'bx'X'Y'V'U'Y'g'W'c]j Y'f'YX]b'h'Y'W'ci fgY"

: YYXVUW_fi V]f]WU'bx'V'f]Y'Z]bX]j]Xi U'W'ca a Yb]g'j]b'A ccX'Y"

F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

H\Y`Z]bU`gY`YW]cb`cZfYUX]b[g`g`Uj U]`UV`Y`Y`YWfcb]W]`mi\fc i [\`h`Y`i` b]j` Yfg]m`VfUfmW]hU`c[i`Y`
C`VW]g]cbU`m`z`fYUX]b[g`a` UmXYdUfh`Z`ca` `h`Y`cbW`]`ghYX`cb`h`Y`Y`W]i`fY`#`i` hcf]U`g`VX`Y`X`i` `Y`

F YWca a YbXYX`F Ygci fWg

>c\b`<]fgh`H\Y`G`c`f`h`Y`gh<]ghcfmcZ9i` fcdYz`@cbXcb.`C`X`G`h`Y`h`Di` V`]g`]b[`z`&`\$`%`&`"

5j U]`UV`Y`Y`YWfcb]W]`mi\fc i [\`h`Y`]VfUfmW]hU`c[i`Y`UbX`Z`f`di` fW]UgY`Uh`h`Y`W]a` di`g`Vcc`_`ghcfY`"

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

: cf` k` VUW_

Gi Va]gg]cb`cZ5ggYgga YbhiHUg_g

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

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`XUmg`U`bX`-`.\$\$Ua`-`).\$\$da`i`cb`k`YY`YbXg`fI`*)`XUmg`U`mY`UfI`"Ʒmci`
UfY`i`bUV`Y`hc`gi`Va`]hmc`i`f`Ugg][`ba`Ybhi`Xi`Y`hc`U`Zi`h`k`]h`Hi`fb]h]b`mci`a`Um`Udd`m`Zc`f`Ub`YI`HY`bg]cb`z`Vi`hmc`i`
a`i`gh`fY`hU]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`bmc`h`Y`f`fY`Yj`Ub`h`Xc`W`a`Y`b`hg`L`hc`
]b`Wi`XY`Ug`Yj`]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`_`Zc`f`cb`Y`"
Hi`fb]h]b`U`gc`d`fc`j`]X`Y`gi`d`X`U`h`Y`g`cb`h`Y]f`g`mg`h`Ya`i`gh`U`h`g`cb`Hk`]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`cb]W`U`m`j`]U`Y`]h`Y`f`Hi`fb]h]b`cf`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`ch`d`c`g`g]V`Y`z`]h`k`]`V`Y`g`h`U`h`Y`X`cb`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`hU]`g`"

:`cf`]b`Z`c`fa`U`h]cb`cb`l`ck`hc`gi`Va`]h`Ugg][`ba`Yb`hg`cb`]b`Y`j`]U`A`cc`X`Y`.`h`h`d`g`#`gh`XY`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]h]Yg'Ug'U'gh XYbhUhl BGK
- VY'Uk UfY'cZd'U[]Uf]ga ž'Wcdmf][\hž' BGK 'Gh XYbh7cXY'cZ7cbXi W'Ubx'5Ww'dhUV'Y'I gY'cZ I BGK '⇒H'F Ygci fW'g'Dc`]Wm
- VY'Uk UfY'cZh'Y'ghUbxUfXg'cZVY\Uj]ci f'YI dYW'X'cZYj Yfmcby`]b'h'Y'I BGK 'Wca a i b]m
- `cWJh'gYfj]Wg'UbX'j]bZcfa Uh]cb'UVci hl BGK 'UbX'I BGK '@]VfUfm

Gca Y'cZh'YgY'UfYUg'k]`VY'ZJa]]Uf'hc'mci ž'ch'Yfg'k]`VY'byk "; U]b]b['U'gc`X'i bXYfghUbx]b['cZU`h'Y fY'UH'X'UgdYW'g'cZ9@G9'k]`Y'd'mci 'a U_Y'h'Y'a cghcZmci f'gh X]Yg'Uhl BGK ""

[\hd. #gj V'YWf i \]XYg" \]VfUfm'i bgk "YXi "Ui #` \]gY#JVci h' \]gY](#)

