



ARTS2481

HYfa YX]UH' : fYbWX '6

HYfa 'Hk c' '# '&\$&%

7ci fgY`Cj Yfj]Yk

GHJZ`7cbHJW`8YHJ`g

7cbj Ybcfg

B Ua Y	9a U`	5j U]UV]`]m	@cW]hcb	D\cbY
<i [i Yg`DYHfg	\`dYHfg4 i bgk "YXi "Ui	6mUddc]bha Ybh	A cfj Yb`6fck b &+)	\$&-' ,) %(\$`#- \$*) - ++)

Hi hcfg

B Ua Y	9a U`	5j U]UV]`]m	@cW]hcb	D\cbY
A cb]ei Y`@Ui fU	a "Ui fU4 i bgk "YXi "Ui	6mUddc]bha Ybh	A cfj Yb`6fck b &++	\$&-' ,) &' &%

7ci fgY'8YHJ]`g

7fYX]hDc]bhg`*`

Gi a a UfmicZh\Y'7ci fgY

H\]g`Wci fgY`dfcj]XYg]bhYfa YX]UHY`Yj Y` : fYbW\`Ub[i U[Y`gh XmZfca`U`Wca a i b]WU]j Y`UbX`hUg_!VUgYX
UddfcUW\`" #i]g`XYg][bYX`Zcf`gh XYbhg`k]h`U`_bck`YX[Y`cZ: fYbW\`Yei]j U`Ybhtc`h`fY Y`hYfa g#gYa YghYfg`cZ
gh Xm]b[`h\Y`Ub[i U[Y`Uhi b]j Yfg]hm`Yj Y`" #h`g`Wci fgY`z`mci`Y`Ufb`hc`Wca a i b]WU]j`UbX`dfcXi W`hYI hg`cb
hcd]Mg`k \]W\`UfY`ZJa]]Uf`cf`cZdYfgcbU`]bhYfYgh`Mci`XYj Y`cd`mci`f`]ghYb]b[`UbX`gdYU_]b[`g_]`g`Ug`k Y`Ug

dfcbi bWUhc bž`]gh/b]b[`cf'k f]h]b[`YI YfW]gYgžUg'k Y``Ug'fY[i `Uf'df]j UH'gh XmUbX'fYj]g]cb`Uh\ca Y'cf`]b

5ggYgga Ybh

5ggYgga YbhHUg_g

5ggYgga YbhHUg_	K Y][\h	8i Y'8UH	Gh XYbh@YUfb]b[Ci hWta Yg'5ggYggYX
HYgh%	(\$i	DUfh5'cb'H\i fgXUm>i `m%gh fk YY_) E/ 'DUfh6'cb H\i fgXUm5i [i gh) 'fk YY_ %\$E'Xi f]b['fY[i 'Uf'h hcf]U'g	%ž'&ž'
HYgh&	(\$i	HYghcb'K YXbYgXUm>i `m&% fk YY_'; E'Xi f]b['hY''YVh' fY	%ž' ž(
K YY_'mcb`]bY'Yi YfW]gYg'	&\$i	K YY_g'&ž' ž(ž+	%ž(

5ggYgga Ybh8YHU]`g

5ggYgga Ybh% 'HYgh%

GHUfhXUH. 'Bch5dd`]WV'Y

@Yb[h. 'WJ''() 'a]b'YUW

8YHU]`g.

H\]g'UggYgga Ybhk]''hU_Y'd'UW']b'hk c'dUfhg'Xi f]b['hY'h hcf]U'g" ð'cbY'gdYW]ZYX'k YY_ž'gh XYbhtg'Ubgk Yf
Wta dfY\Ybg]cb'ei Ygh]cbg'cb'Ub'Ui X]c#]XYc'XcW a YbhfY'UH'X'hc'hY'Wcbh'bhicZ'hY'Wci fgYž'hY'hYgh
'Ugh]b['WJ''() 'a]b/]b'Ubch'Yf'k YY_ž'gh XYbhtg'dfYdUfY'U'hc'd]WcZX]gW'gg]cb'fY'UH'X'hc'hY'Wcbh'bhicZ'hY

8i f]b['h\Y'YVWf fYgžgh XYbfg'Ubgk Yf'Wta dfY\Ybg]cb'ei Ygh]cbg'cb'U'k f]hYb'hYI h'Wta d'YH'U'g\cfh
[fUa a Uf'UbX'j cWUvi 'Ufmei]nž'UbX'k f]hY'U'Wta dcg]h]cb'f&\$!&) \$'k cfXgE'cb'U'hd]WfY'UH'X'hc'h\Y'Wc'bH'bh
cZH'Y'Wci fgYžh\Y'k \c'Y'hYgh'Ugh]b['WJ'" - \$'a]b"

⊕X]j]Xi U'ZYXVUW'j]U'bi a Yf]W' [fUXYZfi Vf]WUbx'k f]hYb'Wta a Ybfg'cb'Wta dcg]h]cb": YXVUW'cb
fYUX]b['Wta dfY\Ybg]cb'UbX'[fUa a Uf'UbX'j cWUvi 'Ufmei]n]]U'Wc'ffYW]cb]b'WUgg'UbX'bi a Yf]W' [fUXY"

5XX]h]cbU'XYHJ]g.

H\Y'hYghk]'VY'Wc'Xi W'X'Xi f]b['h\Y'k c!\ci f'YVWf fY'cb'k YY_, "'H\Y'hYghk]'VY'XcbY'cb']bY"

Hi fb]h]b'gYH]b[. H\]g]g'bchU'Hi fb]h]b'Ugg][ba Ybh

5ggYgga Ybh' . 'K YY_'mcb']bY'YI YfW]gYg

GHUfhXUH' . Bch5dd]WU'Y

@Yb[h\ . 'WJ'"%\ci f'dYf'k YY_

8YHJ]g.

Gh XYbfg'k]'Wta d'YH'k YY_'mdfYdUfU]cbg'cb'Ui X]c!j]XYc'XcW a Ybfgžk f]hYb'hYI h'gž'dfcbi bW]U]cb'UbX
cfU'Wta dfY\Ybg]cb'YI YfW]gYgž'UbX#f'j cWUvi 'Ufm#[fUa a Uf'ei]nnYg'cb'A ccX'Y'f%\ci f'dYf'k YY_£"

: YXVUW'k]'VY'dfcj]XYX'j]U'gY'Z'Wc'ffYW'X'YI YfW]gYg'cb'A ccX'Y'UbX'[YbYfU'ZYXVUW']b'WUgg"

5XX]h]cbU'XYHJ]g.

H\Y'k YY_'mcb']bY'YI YfW]gYg'k]'hU_Y'd'UW'X'Xi f]b['k YY_'g'&ž' ž('UbX'+ 'Zcf'h\Y'k \c'Y'cZH'Y
Wc'ffYgdcX]b['k YY_'H\Y'YI YfW]gYg'dfYgYbH'X']b'h\Y'Zcfa 'cZA ccX'Y'ei]nnYg'a UmVY'h]a YX'UbX'WU'VY
UH'a dh'X'cb'mcbW"

Hi fb]h]b'gYH]b[. H\]g]g'bchU'Hi fb]h]b'Ugg][ba Ybh

K YY_ ; . % - ' > i ` m ! ' & ' > i ` m	Hcd]W	8cgg]Yf* '! @YÃcb`&%
	5ggYgga Ybh	H9GH`&f(\$i Ł7ca dfÅ\Ybg]cb`¼`U`YWñ fyž [fUa a U]fY`Yhj cWVVi `U]fYžYI dfYgg]cb

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

7ci fgYg'UFY'dYf]cX]WU`mfYj]Yk YXžUbX'ghi XYbhg'ZYXVUW_]g'i gYX'hc']a dfcj Y'hYa "': YYXVUW_]g
[U'hYfYX'Zca'ghi XYbhg'i g]b['a mØI dYf]YbW'"]g]YbW'i fU[YX'ghi XYbhg'Wta d'Yh'Y]f]gi fj Ymg'Vm
UWYgg]b['hY'dYfgcbU]gYX'k YV`]b_]]U'hY'A ccX'Y'Wti fgY'g]hY"

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 YbhiH'fci [\ 'Hi fb]h]bž'd'YUgY
HY'Yd\cbY'9I HYfbU'Gi ddcfhcb'-',) " ' ' %cf'Ya U] 'H'Ya 'cb'YI HYfbU'HY'fgi 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'mYUfI" Ʒmci
UfY'i bUV'Y'hc'gi Va]hmc i f'Ugg][ba YbhiXi Y'hc'U'Zi 'hk]H'Hi fb]h]b'mci 'a UmUdd'm'Zcf'Ub'YI HYbg]cbž'Vi hmc i
a i ghfYHU]b'mci f'h]W_Yhbi a VYf'Z'ca '9I HYfbU'Gi ddcfhfU'cb['k]H'UbmcH'Yf'fY'Yj UbhXcW a YbHgE'hc
]bWi XY'Ug'Yj]XYbVW'hc'gi ddcfhmc i f'YI HYbg]cb'Udd'jW]h]cb" Ʒmci 'Ya U] '9I HYfbU'Gi ddcfhmc i 'k]
Ui 'ca UH]W]m'fYW]j Y'U'h]W_Yhbi a VYfž'Vi h]Zmci 'HY'Yd\cbY'mci 'k]'bYYX'hc'gdYW]Z]W]m'Ug_ 'Zcf'cbY"
Hi fb]h]b'U'gc'dfcj]XYg'i dXUH'g'cb'H'Y]f'gmgh'Ya 'ghU'g'cb'Hk]HYf"

; YbYfU'mž'UggYgga YbhiHUg_g'a i ghVY'gi Va]HYX'Y'YW'fcb]W]m'j]U'Y]H'Yf'Hi fb]h]b'cf'U'A ccX'Y
Ugg][ba YbH' 'b]bg]UbVW'g'k \YfY'H'g]g'bc]hdccg]V'Yž'hk]'VY'ghUH'X'cb'mci f'Wci fgY'g'A ccX'Y'g]HY'k]H
U'HYfbUH] Y'gi Va]gg]cb'XYHU]g"

: cf]bZ'fa UH]cb'cb'\ck 'hc'gi Va]hUgg][ba YbHg'cb]bY'j]U'A ccX'Y. \hhdg.#gh XYbH'i bgk "YXi "Ui #ck!
gi Va]hUgg][ba YbH'a ccX'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
-

