

ARTS1360

Hfi h 'UbX' < i a Ub '9l]ghYbVW. ' ðhfcXi W]cb 'hc 'D\]`cgcd\m

HYfa &Z&\$&&



7ci fgY`Cj Yfj]Yk

GHJZZ7cbHJW`8YHJ]`g

7cbj Ybcfg

BUa Y	9a U]`	5j U]`UV]`]fm	@cW]h]cb	D\cbY
<Y]_]`=A\Y]a c	\"U] U\Y]a c4 i bgk \"YXi \"Ui	9a U]`Zcf Uddc]b]a Ybh	A cfj Yb 6fck b 6i]X]b[ž F cca \" &%	f\$&Ł - \$*) % *%
G]a cb`@i a gXYb	g`i a gXYb4 i bgk \"YXi \"Ui	9a U]`Zcf Uddc]b]a Ybh	A cfj Yb 6fck bž F cca \" ')	f\$&Ł'- \$*) - +(+

@YW]i fYfg

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GWXcc``cZ<i a Ub]h]Yg/`@Ub[i U[Yg

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

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

HY`.\$&:-' (, '\$(\$*

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

5W_bck `YX[Ya YbhcZ'7ci blfm

I BGK '5fjz8Yg][b'UbX'5fWk]fYWi fY'?Ybg]b[hcb'UbX'DUXX]b[hcb'Wla di gYg'UfY'Vi]hcb'5Vcf][]bU`

7ci fgY'8YHJ`g

I b]hg'cZ7fYX]h*`

Gi a a UfmicZ`hY'7ci 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`U]h]ha YUbg`Zcf`gca Yh]b[`h`VY`fY`Y`UbX`\ck`k`Y`_bck`k`Y`h`Yf`gca Yh]b[`]g
fY`/k`U]h`UfY`h`Y`Z`bXUa YbH`g`cZ`h`Y`i`b]`YfgY`UbX`h`Y`d`UW`cZgWY`bW`UbX`fY`] [cb`]b
X]gW`fb]b[`h`Ya`/k`U]h`UfY`h`Y`VUg]W`W`bgh]h`Yb]g`cZ`i`a`Ub`gcWY`h]Ygž`UbX`\ck`U`h`YgY`ei`Ygh]cbg`UfY
fY`U`h`X`h`c`k`U]h`UbX`k`c`mci`UfY`" `b`]b]`Ygh] [U]b[`h`YgY`h`d]W]k`Y`k`j`gh]`Xmi`h`Y`j`]Yk`g`cZ`V`c`h`WUgg]W`
UbX`W`b`h`Ya`dcfU`fmid\]cgcd\Yfg`H\]g`Wci fgY`k`j`Y`d`mci`XY`Y`cd`h`Y`W`h]W`UbX`UbU`m]W`h]b`_]b[
g_]`g`b`Y`W`gg`U`fm`Z`f`U`X`j`Ub`W`X`g`h`Xmi`UbX`mci`f`Z`h`fY`W`U`f`Y`f`K` \]Y`h`]g`]g`U`g`h`UbX`U`cb`Y`]b`f`c`X`i`W`c`f`m
Wci`fgY`ž`h`W`b`V`Y`i`gY`Z`m`W`c`a`V`]b`Y`X`k`]h`5`F`HG`%`*`%`A`]b`X`ž`9`h`]W`ž`UbX`::`f`Y`Y`X`c`a`!`b`f`c`X`i`W`h]cb`h`c
D\]cgcd\m`

7ci fgY`@YUfb]b[`Ci hWca 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]W`ž`UbX`gcW]U`UbX`YI`]ghY`b`h]U`d\]cgcd\m`
&`7`f]h]W`m`Y`j`U`i`U`h`U`f`[`i`a`Y`b`h`g`]b`Y`d]g`h`Ya`c`c`[`mž`a`Y`h`U`d`\`m`g]W`ž`UbX`gcW]U`UbX`YI`]ghY`b`h]U`
d\]cgcd\m`
'`5`gg`Y`gg`h`Y`W`c`a`d`U`f`U`h]`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]W`ž`UbX`gcW]U`UbX`YI`]ghY`b`h]U`d\]cgcd\m`
(`" `b`h`Y`f`c`[`U`h`Y`W`b`c`b]W`h`Y`I`h`g`]b`K`Y`ghY`f`b`Y`d]g`h`Ya`c`c`[`mž`a`Y`h`U`d`\`m`g]W`ž`UbX`gcW]U`UbX`YI`]ghY`b`h]U`
d\]cgcd\mž`UbX`YI`Ua`]b`Y`\`ck`h`Y`m`\`U`j`Y`]b`Z`i`Y`b`W`X`W`c`b`h`Ya`dcfU`f`m`g`c`W`Y`m`UbX`]b`g`h]h`h]c`b`g`"

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

H\Y`Wci fgY`]g`h]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]`]h]Y`g`c`j`Y`f`h`Y`W`c`i`fgY`c`Z`h`Y`h`f`a`" `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`Y`I`h`g`ž`
h`Ya`Y`g`ž`UbX`Z`[`i`f`Y`g`Y`I`Ua`]b`Y`X`]b`h`Y`W`c`i`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]W`g`W`c`j`Y`f`Y`X`]b`h`Y`Y`W`h`f`Y`g`UbX`c`b`]b`Y`U`W`h]`]h]Y`g`"

5ggYgga Ybh

: i ``i d'fc'XUH'`]bZ:fa UH]cb'cb'U``UggYgga Ybfg'k]``VY'di V`]g\`YX'cb'h\Y`Wci fgY`A ccX`Y`dU[`Y"

5ggYgga YbhUg_	K Y][\h	8i Y`8UH`	7ci fgY`@YUfb]b[Ci hWca Yg`5ggYggYX
%`7 f]h]WU`5bU`mg]g	&)	\$' #`\$+`#&\$&&`%%) - `DA	%ž&
&"E i]n	%)	Bch5dd`]WUV`Y	%
' ``A U`c`f`YggUm	* \$	`, #`, #&\$&&`%%) - `DA	&ž' ž(

5ggYgga Ybh' . 'A U'cf'YggUm

5ggYgga Ybh`Yb[h. %) \$\$'k cfXg'a Ul ja i a
8i Y'XUHy. '\$, #\$, #&\$&&'%%) - 'DA

%) \$\$'k cfXg" 5`W]h]W' fYgYUfW' YggUmcb`U'gY'YWh'cd]WZca`h'Y'W'ci fgY/ghi XYbh'g'gY'YWh'Zca`U`]ghicZ
dcgg]V'Y'YggUm'cd]Wg": YYXVUW_j`j]U'fi Vf]WUbX`U'a Uf_"

H\]g`]g`h'Y`Z]bU`UggYgga Ybh'Zcf`U'h'Y'bXUbW'`di fdcgYg"

H\]g`Ugg][ba Ybh]g`gi Va]h'X'h'fci [\`Hi fb]h'b`UbX'ghi XYbh'g'Xc`bch'gYY`Hi fb]h'b`g]a]`Uf]mifYdcfng"

5XX]h]cbU`XYHJ]`g

9ggUmei Ygh]cbg`UbX`UXj]W'`cb`YggUmik f]h]b[`k]`VY`dfcj]YX'cb`h'Y'W'ci fgY`A ccX`Y`dU[Y`UbX`]b`h'Y
h`h'cf]U`g"

F Ygci fWg

DfYgWf]VYX`F Ygci fWg

5`fYUX]b[g'k]`VY`Uj U]UV`Y`hfc i [\ `U`@Y[Ubhc`]b_`cb`hY`Wci fgY`A ccX`Y`dU[Y"

F YWca a YbXYX`F Ygci fWg

4Zfa Uh]cb`cb`fYgci fWg`]g`Uj U]UV`Y`cb`hY`Wci fgY`A ccX`Y`dU[Y

7ci 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 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'f'gi 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'YUfI" 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 Yb'gk'hc
]bWi XY'Ug'Yj]XYbW'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]'b'YX'hc'gdYW]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]UbW'g'k \YfY'H'g]g'bc]hdccg]V'Yž]hk]'VY'gh'UH'X'cb'mci f'Wci fgY'g'A ccX'Y'g]H'k]H
U'HYfbUH] Y'gi Va]gg]cb'XYHU]g"

: cf]bZ'fa UH]cb'cb'\ck 'hc'gi Va]hUgg][ba Yb'g'cb]bY'j]U'A ccX'Y. \h'hdg.#gh XYb'hi bgk "YXi "Ui #ck!
gi Va]hUgg][ba Yb'ha ccX'Y

5 WUXYa]WbZcfa Uh]cb

8i Y'rc'Yj c'j]b['UXj]W'VmB GK ' < YU'hž'gh XYbhg'a i gh'WXYW'Zcf'i dXUH'X']bZcfa Uh]cb'fY[UfX]b['cb']bY
'YUfb]b['Zcf'U''5fngž8Yg][b'UbX'5fW]H'W'fY'W'f'fgYg'h]g'h'fa 'fj]U'A ccX'Y'cf'W'f'fgY']bZcfa Uh]cb
dfcj]XYX"Ł

: cf'YggYbh]U'gh XYbh]bZcfa Uh]cb'fY'Uh]b['rc.