

# **ARTS2755**

; `cVU``8YjY`cdaYbh`]b`DfUWf]VW.`7cbWYdhg`UbX`DfUWf]VWg Zcf`=bWig]jY`8YjY`cdaYbh

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

# 7 ci fgY<sup>-</sup>Cj Yfj ]Yk

## GHJZZ7cbHJWh78YHJ]`g

## 7cbj Ybcfg

BUa Y	9a U]`	5j U]`UV]`]m	@cWUhjcb	D∖cbY
>cmW/K i	Ğ	Zcf <sup>-</sup> Wcbgi `HJh]cb	@Yj Y``%ËF cca ‰%ËA cfk Yb 6fck b`6i ]`X]b[	fŽ*%±`\$& - \$*)`()&(

#### GWXcc``7cbHJWhi=bZcfaUhjcb

GWXcc``cZGcWJU``GWJYbWYg

Fcca '%)-

A cfj Yb 6fck b 7 &\$

Ya U]`. 'gcgg4 i bgk "YXi "Ui

d\cbY.`\$&`-',)`% \$+

# 7cifgY<sup>·</sup>8YHJ]`g

## 7 fYX]hDc]bhg\*\*\*

## Gi a a UfmcZ'h\Y'7ci fgY

'9a dck Yfa Ybłłź'dUfłjWjdUłjcb'ź'gcWjU``jbWi g]cb'ź'fYg]`]YbWY'' A głjWY'. 'k Y 'U``\_bck 'h Uhk Y 'k Ubh'c 'UW\]Yj Y h YgY ']XYU`gžVi hk \UhXc 'h Yma YUb'UbX'\ck 'UfY 'h YmcdYfUłjcbU`]nYX']b'dfUWjWY 3' ± 'h ]g'Wći fgYźmci k ]```[U]b'U'Wf]łjWU``\_bck `YX[ Y cZh Y WćfY'j cWUVi `UfmUbX'UddfcUW.Yg'Wća a cb']b'[`cVU``XYj Y`cda Ybh hcXUm''Nci 'k ]```YUfb'głfUhY[]Yg'hc'głUmi d'hc'XUhY'k ]h 'h Y'Yj Yf!g\]źh['h'ffU]b'cZXYj Y`cda YbhdfUWłjWYź UbX'XYj Y`cd'h Y gYbg]V]`]hJYg'hc'k cf\_'YZYWłj Y`mk ]h 'U'fUb[ Y cZXYj Y`cda YbhdUfhbYfg''Nci 'k ]``[U]b Wf]hJWU``]bg][ \h]bhc'\ck 'hc'a U\_Y'XYj Y`cda Ybh']bWi g]j Y''Zcf'U```dYcd'YžfY[ UfX'Ygg'cZ[ YbXYfžfK]gŁUV]`]mž gYI i U`]mž'gcWjc!YWcbca ]WVUW\_[ fci bX'UbX'gc'cb'''H\Y'Wci fgY'\Ug'VYYb'XYg][ bYX'Zcf'[ `cVU``XYj Y`cda Ybh ghi XYbhg'hc 'XYYdYb'h\Y]f'i bXYfgHUbX]b[ 'cZWćfY'XYj Y`cda YbhdfUWłjWfgž'k \]'Y 'Yei ]dd]b[ 'ghi XYbhg'Zca ch\Yf'X]gWjd`]bYg'k ]h\'Zci bXUłjcbU`'\_bck `YX[ Yg'UbX'g\_]``g'hc'k cf\_'YZYWłj Y`mž'Yh\]WU``mUbX'gYbg]V'm]b'h Y ; `cVU``Gci h\"

#### 7cifgY`@YUfb]b[`CiHWcaYg

- %" 91 d`U]b`UbX`Wf]h]WU``mUbU`mgY`WcfY`UddfcUVX.Yg`]b`; `cVU``8Yj Y`cda YbhdfUWjWY
- &"7caaib]WUHYžgcjYdfcVYagUbXbY[ch]UHYdfcXiWhjY`mUbXYZZYWhjY`mik]h\UX]jYfgYgYhicZ UWhcfgi]b; `cVU``8YjY`cdaYbh
- ' "=XYbhjZmith,Y'UWtcfgzijbtYfYgtg:UbX']XYUg'th,UhYbUV'Y'UbX'WcbgtfU]b']bWi g]j Y'XYj Y`cda Ybh

#### HYUW ]b[ GhfUhy[ ]Yg

H\]gʻWcifgYʻgʻHYUWX]b[ʻgHfUHY[]YgʻUbX`fUHjcbUYʻUfY`VUgYX`cbʻmciʻVf]b[]b[ʻmcifdf]cf`YUfb]b[ʻhcʻhXY WUggfccaʻUbX`Yb[U[]b[`]b`HYUakcf\_]b`hXYWc!WcbgHfiWf]cb`cZ\_bck`YX[Y"`H\]gʻfYd`]WUHYgʻfYgYUfWX`UbX dfUWf]WY`Ybj]fcbaYbhgʻ]b`8YjY`cdaYbhGhiX]Ygžk\]WX`]gʻ]bHYf!X]gW]d`]bUfmUbX`YId`]WJhm]bWiXYgʻai`Hjd`Y jc]WYgʻhc`dfcXiWY`UWf]cbUVY`\_bck`YX[YfgŁ"`H\]gʻWcifgY`]bWiXYgʻcb`]bY`UbX`ZJWY!hc!ZJWY`WcadcbYbhg" @YWfifYgʻUfY`]bHYfUWf]jY`UbX`]bWiXY`[fcid`kcf\_ž]bX]j]XiU``fYZYWf]cbž'UbX`Wf]h]WU``fYZYWf]cb`cb`WcbHybh' Hihcf]U`gʻdfcj]XY`Ub`cddcfhib]mhc`fYZ]bY`mcif`ibXYfgHJbX]b[`cZ\_Ym]ggiYg`UbX`WcbWYdhg"`H\YfY`k]``YY

# 5ggYgga Ybh

8iY'XUhYg'cZh\Y'UggYggaYbhg'WUb'VY'ZcibX']b'AccX`Y"

D`YUgY`Wcbgi `hA ccX`Y`Zcf`Z fh\Yf`]bZcfa Uh]cb`UVci hH\Y`UggYgga Ybhgž'Ug`k Y```Ug`fYgci fWYg"

## 5ggYgga YbhHUg\_g

5ggYgga YbhHJg_	K Y][∖h	8iY`8UHY	GhiXYbhi@YUfb]b[ CihWcaYgʻ5ggYggYX
7 f]h]WU``Yj U`i Uh]cb`cZU Wca a cb`hcc`#JddfcUWX`hc ]bWi g]j Y`XYj Y`cda Ybh	(\$1	Bch5dd`]WUV`Y	%ž''
@c₩J``8YjY`cdaYbh7UgY GhiXmi	* \$I	Bch5dd`]WVVY	&ž'

## 5ggYgga Ybh8YHJ]`g

5ggYgga Ybh'% '7f]h]WU` 'Yj U`i Uh]cb cZ'U'Wca a cb hcc`#JddfcUWX hc ']bWi g]j Y'XYj Y`cda Ybh

GHJfhiXUhY. Bchi5dd`]WUV`Y

@Yb[h\.`%)\$\$`!`&\$\$\$`k cfXg

#### 8 YHJ]`g.

%2) \$\$!&z\$\$\$`k cfXg.`Ghi XYbhg`k]``VY`Ug\_YX`hc`gY`YWhU`hcc``cf`UddfcUVX`Wca a cb`mii gYX`]b`h\Y XYj Y`cda Ybh'gYWhcf`UbX`Yj U`i UhY`]hg`UXj UbhU[ Yg`UbX`X]gUXj UbhU[ Yg`hc`UVX]Yj ]b[`]bWi g]j Y`XYj Y`cda Ybh'

Gh XYbhg k ]``fYWY]j Y k f]hYb ZYYXVUW\_UbX U a Uf\_YX fi Vf]Wk ]h\]b hYb XUmg cZgi Va ]gg]cb" H\Y fi Vf]Wk ]`` VY Uj U] UV Y Uhih Y ghUfhcZhYfa 'hc 'U``ck 'gh XYbhg hc k cf\_ hck UfXg WYUf mWca a i b]WUhYX ghUbXUfXg"

#### 5XX]h]cbU``XYhU]`g.

8iY'XUhYg'cZh\Y'UggYggaYbhg'WUb'VY'ZcibX']b'AccX`Y"

D`YUgY`Wcbgi`hAccX`Y`Zcf`Zfh\Yf`]bZcfaUh]cb`UVcihh\Y`UggYggaYbhgžUg`kY```Ug`fYgcifWfg"

Gi Va ]gg]cb bchYg. cb ]bY

Hi fb]h]b`gYh]b[.`H\]g`Ugg][ ba Ybh]g`gi Va ]hhYX`h\fci [\`Hi fb]h]b`UbX`ghi XYbhg`WUb`gYY`Hi fb]h]b`g]a ]`Uf]hm fYdcfng"

5ggYgga Ybh& @cWU`8Yj Y`cda Ybh7UgY Gh Xm

GhUfhXUhY.Bch5dd`]WUV`Y

@Yb[h\.`&")\$\$!' ž\$\$\$`k cfXg

#### 8YHJ]`g.

Gh XYbhgʻgi Va ]hUʻ&ž) \$\$!' ž\$\$\$`k cfX`YggUmUbU`mg]b[`h\Y`dchYbh]U``YZYWhji YbYggʻfcf`bch2cZX]ZYfYbh UddfcUWXYgʻhc`UWX]Yj Y`]bWi g]j Y`XYj Y`cda Ybh]b`h\UhWcbhYI h'

Gh XYbhg k ]```fYWY]j Y k f]hYb ZYYXVUW\_UbX'U'a Uf\_YX'fi Vf]Wk ]h\]b hYb XUng cZgi Va ]gg]cb"'H\Y'fi Vf]Wk ]`` VY'Uj U]`UV`Y'Uhh\Y`ghUfhcZhYfa 'hc'U``ck 'gh XYbhg hc'k cf\_'hck UfXg'WYUf`mWca a i b]WUh'X`ghUbXUfXg"'H\]g ]g h\Y`Z]bU``UggYgga YbhZcf'h\Y'Wci fgY"

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

8iY'XUhYg'cZh\Y'UggYggaYbhg'WUb'VY'ZcibX']b'AccX`Y"

DYUgYWcbgi `hAccXYYZcfZ fh\Yf`]bZcfa Uh]cb'UVci hh\Y'UggYgga YbhgžUg'k Y```Ug'fYgci fWfg"

Gi Va ]gg]cb bchYg. cb`]bY

Hi fb]h]b`gYh]b[.`H\]g`Ugg][ ba Ybh]g`gi Va ]hYX`h\fci [\`Hi fb]h]b`UbX`gh XYbhg`WUb`gYY`Hi fb]h]b`g]a ]`Uf]hm fYdcfhg"

# FYgci fWfg

## DfYgWf]VYX F Ygci fWYg

D`YUgY`Wcbgi `hA ccX`Y`Zcf`dfYgWf]VYX`UbX`fYWca a YbXYX`fYUX]b[ g`Zcf`h\]g`Wci fgYž`Ug`k Y```Ug`ch\Yf i gYZ ``fYgci fWYg`Zcf`UWUXYa ]Wgh Xm''

FYWca a YbXYX FYgci fWYg

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

# Gi Va ]gg]cb cZ5ggYgga YbhHUg\_g

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

Zmci YbWci bhYf'U'dfcV'Ya 'k \Yb'UhYa dhjb[ 'hc'gi Va ]hmci f'Ugg][ ba YbhN fci [ \ 'Hi fb]hjbžd'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'fl \*) 'XUmg'U'mYUfŁ'' Zmci UfY'i bUV'Y'hc'gi Va ]hmci f'Ugg][ ba YbhXi Y'hc'U'ZJi `hk ]h\'Hi fb]hjb'mci 'a UmUdd`mZcf'Ub'YI hYbg]cbžVi hmci a i ghfYhU]b'mci f'hjW\_Yhbi a VYf'Zfca '9I hYfbU'`Gi ddcfhfU'cb[ 'k ]h\ 'Ubmch\Yf'fY'Yj UbhXcW a YbhgŁhc ]bWi XY'Ug'Yj ]XYbWY hc'gi ddcfhmci f'YI hYbg]cb'Udd`]WUh]cb'' Zmci 'Ya U]`'9I hYfbU'`Gi ddcfhimci 'k ]`` Ui hca UhjWU'`mfYWY]j Y'U'hjW\_Yhbi a VYfžVi h]Zmci 'hY`Yd\cbY'mci 'k ]``bYYX'hc'gdYWJZWU``mUg\_'Zcf'cbY" Hi fb]hjb'U`gc'dfcj ]XYg'i dXUhYg'cb'h\Y]f'gmghYa 'gfUh'g'cb'Hk ]hYf"

; YbYfU`mžUggYgga YbhHUg\_g`a i ghVY`gi Va ]HYX`Y`YWfcb]WU``mj ]U`Y]h\Yf`Hi fb]h]b`cf`U`A ccX`Y Ugg][ ba Ybh'`=b`]bgHUbWfg`k \YfY`h\]g`]g`bchdcgg]V`Yž`]hk ]```VY`gHUhYX`cb`mci f`Wci fgY**'**g`A ccX`Y`g]hY`k ]h\ U`hYfbUh]j Y`gi Va ]gg]cb`XYHU]`g"

: cf`]bZcfa 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 Ybha ccX`Y

# 5WUXYa ]W<cbYghmUbX`D`U[ ]Uf]ga

D`U[]Uf]ga `]g`i g]b[ 'H\Y`k cfXg`cf`]XYUg`cZcH\Yfg`UbX`dfYgYbH]b[ 'H\Ya `Ug`mci f`ck b"`=h\Wb`HU\_Y`a Ubm Zcfa gžZīca `XY`]VYfUHY`W\YUH]b[ 'hc`UWV]XYbHU``mWcdm]b[ 'Zīca `U`gci fW'`k ]H\ci hUW\_bck `YX[ Ya YbH'

I BGK '[fci dg'd`U[]Uf]ga ']bhc'h\Y'Zc``ck ]b[ 'WUhY[cf]Yg.

i bXYfgHUbX\*mci f\*f][\hg\*UbX\*fYgdcbg]V]`]h]Yg\*Ug\*U\*gh XYbhUhI BGK