

# **ARTS1630**

=blfcXiWtcfmi>UdUbYgY<sup>™</sup>5

GW.cc``cZ<iaUb]Mg'UbX'@Ub[iU[Yg`'#'IBGK `5fng'UbX'GcWU'GW]AbWg

HYfa 'CbY''##'&\$&%

## 7ci fgY<sup>·</sup>Cj Yfj ]Yk

## GHJZZ7cbHJWh78YHJ]`g

### 7 cbj Ybcfg

BUa Y	9a U]`	5j U]`UV]`]m	@cWUhjcb	

## 7ci fgY<sup>·</sup>8YHJ]`g

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

#### Gi a a UfmcZhXY7ci fgY

H\Y'Wci fgY']bffcXi WYg'f\Y'>UdUbYgY'gci bX'gmgHYa ž'VUg]W[fYYf]b[g'Ug'k Y```Ug'U'bi a VYf'cZVUg]W >UdUbYgY'gffi Wi fYg'UbX'j cWUVi `UfmYI dfYggYX']b'<]fU[UbU'UbX'? UhU\_UbU'gm``UVUf]Yg'f\UhUfY'YggYbf]U` hc `VUg]W>UdUbYgY'Wca a i b]WUf]cb"'H\]g'Wci fgY']g'Zcf'f\cgY'k \c`\Uj Y'bc'cf'U`a cghbc'\_bck `YX[Y'cZ >UdUbYgY"'H\Y'Zc``ck ]b['Z]j Y'gcW]U'#W`h fU`'hcd]Wg'k]``VY'Wcj YfYX.'%''; fYYf]b[g'UbX'a YYf]b['bYk 'Z]YbXg/ &"`5g\_]b['UVci hit\]b[g'Ufci bX'mci /' "8U]`mfci f]bYg/("@cWUf]cbg/)"'@\_Yg'UbX'X]g`]\_Yg''C b`YUW\'hcd]Wź k \]'Y ghi Xm]b['h\Y``Ub[i U[Yžmci 'UfY'W\U``Yb[YX'hc'X]gWcj Yf'X]ZYfYbhUddfcUW\Yg'hc'j ]Yk ]b['h\Y'k cf'X Ufci bX'mci ``]b['i ]gf]WU``mUbX'W `h fU``mž'UbX'UfY'[]j Yb'f\Y'cddcfhi b]mihc'i bXYfgHUbX'W ffYbhgcW]cW'`h fU` ]ggi Yg']b'>UdUb"'Nci 'UfY'U`gc']bffcXi WYX'hc `YUfb]b['fci f]bYg'bYW/ggUfmhc'gi WWYXX']b'f\Y'ZJghdUW' `YUfb]b['cZU'ZcfY][b`'Ub[i U[Y"

H\]gʻWcifgYʻ]gʻUʻVY[]bbYfg!ʻYjYʻ``Ub[iU[YʻWcifgY"`5```ghiXYbhgʻk\cʻ\UjY`\UXʻgcaYʻYIdYf]YbWYʻk]h\ʻh\Y `Ub[iU[YžY]h\Yf`UgʻUʻ\Yf]hU[Y``Ub[iU[Yʻcfʻh\fci[\`dfYj]cig`]bghfiWf]cbžaighZ]```]bʻh\Y`d`UWYaYbh eiYgh]cbbU]fY`UjU]`UV`Y`Uh<u>hdg.#AU``'Ufhgʻibgk''YXi''Ui#ghiXYbhg#VcifgYg#Ub[iU[Y!d`UWYaYbhg</u>"`Mci'k]`` bchVYʻdYfa]hHX`hc`Ybfc``]b`U``Ub[iU[Y`VcifgY`h\Uh]gʻhcc`YUgmZcf`mci"`Zh\]gʻcWW fgžmci'k]``VY fYeiYghYX`hc`W\Ub[Y`mcif`Ybfc`aYbh'

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

%" +blfcXi WY`cbYgY`ZVmi g]b[ `g]a d`Y`>UdUbYgY"

&" Gi ghu]bʻg]a dʻYʻWcbj YfgUh]cbgʻ]bʻ>UdUbYgYʻk \Ybʻhu`\_]b[ʻUVci hcbYgY`ZUbX`cbY'gʻXU]`mfci h]bYg" ' " F YUX`UbX`k f]hY`< ]fU[ UbUž? UhU\_UbU`Zi Ybhmž`UbX`fYWc[ b]gY`) , `? Ub']"

- ("FY[c[b]gY'dfcV'Ya g'cZ]bhYfW' h fU`']bhYfUW]cb'k]h ch Yf'>UdUbYgY'gdYU\_Yfg"
- ) "K cf\_Wc``UVcfUh]j Y`mk]h\`ch\Yfg"

#### HYUWX]b[ GhfUhY[]Yg

H\Y'Wci fgY']g'HUi [\hfkfci [\'kYY\_`m`YWi fYgžfi hcf]U`g'UbX'gYa ]bUfg"'=D`YWi fYgžgh XYbhg`YUfb'UVci h h\Y'WcbHYI hi U`\_bck `YX[Y`cZ>UdUbYgY``Ub[i U[Y`UbX``Ub[i U[Y`YUfb]b[žghUfh]b['Zfca 'VUg]WWcbWYdhg"'=D hi hcf]U`g'UbX'gYa ]bUfgžghi XYbhg'dfUWf]WY'hk]Yf'>UdUbYgY``Ub[i U[Y`g\_]``g'Wc``YWf] Y`mžghUfh]b['k]h`VUg]W Z bWf]cbg'UbX'k cf\_]b['cb'Wca dfY\Ybg]j Y'HUg\_g"''=DHYffY`Uh]b['k]h`ch\Yf'Wci fgY'a Ya VYfg']b``YWfi fYgž hi hcf]U`g'UbX'gYa ]bUfg']g'U`gc'YggYbh]U`''Ghi XYbhg'k]``VY'YI dYWfYX'hc'dUfh]WjdUfY']b'X]gWi gg]cbgždU]fg'cf [fci d'HUg\_g'h\fci [\ci hfkY'Wci fgY''5bmZcfa 'cZX]gWf]a ]bUf]cb'VUgYX'cb'Ub']bX]j ]Xi U`fg'U[YžYfkb]W]mž qYI i U``cf]YbfUf]cb'UbX'fkY'`]\_Y'k]```bchVY'hc`YfUfYX''

## 5ggYgga Ybh

### 5ggYgga YbhHUg\_g

5ggYgga Ybh'tUg_	K Y][ \h	8iY`8UhY	GhiXYbhi@YUfb]b[ CihWcaYgʻ5ggYggYX
8]WrUh]cb'Ei]n'	%) I	K YY_'' 'UbX'K YY_'%\$	
A ]X HYfa HYgh	&\$I	K YY_')	%ž' &ž''
=bh¥fU₩jcb <sup>°</sup> HYgh	&) I	К ҮҮ_'-	%ž'&ž')
: ]bU``9I Ua `	(\$1	91 Ua <sup>°</sup> DYf]cX	%ž &ž ' Ž (

## 5ggYgga Ybh8YHJ]`g

5ggYgga Ybh% 8]WUDjcbEi ]n

GhufhiXuhy. Bchi5dd`]WUV`Y

8YHJ]`g.

 $Hk\ c\ `X] Wilh] c\ b\ `HY\ ghg\ `k\ ]^{\ }VY\ `VY\ `X\ ]b\ `mc\ i\ f\ 'h\ hc\ f]^{\ }$ 

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Hi fb]h]b`gYh]b[.`H\]g`]g`bchU`Hi fb]h]b`Ugg][ ba Ybh

5ggYgga Ybh(.::]bU``9l Ua

GHJfh'XUHY. Bch'5dd`]WUV`Y

8YHJ]`g.



\$

#### FYgci fWfg

#### DfYgWf]VYX F Ygci fWfg

- ; Yb\_]`≢`5b`]bhY[ fUhYX`Wci fgY`]b`Y`Ya YbhUfm`>UdUbYgYž'H\]fX`9X]hJcb`f&\$&\$Ł
- ; Yb\_]`-₹`5b`]bHY[fUHYX'WcifgY`]b'Y'YaYbHJfmi>UdUbYgYžK cf\_Vcc\_žH\]fX'9X]Hjcb`f&\$&\$Ł
- 5FHG%\*' \$`=bHfcXiWhcfmi>UdUbYgY'5'7cifgY'BcHYg'fUj]'UVY'Zfca'AccX'YŁ

#### FYWca a YbXYX FYgci fWYg

BchUjU]`UV`Y

#### 7ci fgY'9jU`iUh]cb'UbX'8YjY`cdaYbh

: cfa U`Yj U`i Uh]cbg`k]``VY`WcbXi WhYX`VmA m91 dYf]YbWYžUbX`h\Y`fYgi `hg`k]``VY`i gYX`hc`]a dfcj Y`Z hi fY ]hYfUh]cb`cZh\]g`Wci fgY''`=bZcfa U`ž`fYU`!h]a Y`ZYYXVUW\_`]g`U`gc`j Yfmk Y`Wca Y`Y]h\Yf`]b`dYfgcb`cf`h\fci [ \ A ccX`Y''

## 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``mž'UggYgga 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 bXYfgHJbX'mci f`f][\hg'UbX'fYgdcbg]V]`]h]Yg'Ug'U'gh XYbhUhI BGK
  VY'Uk UfY'cZd`U[]Uf]ga ž'Vcdmf][\hz'I BGK 'Gh XYbh7cXY'cZ7cbXi VhUbX'5VWVdHJV'Y'I gY'cZ IBGK = HFYgcifWgDc`]Wm

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