



# ARTS2692

GmbUl

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7ci fgY'8YHJ]`g

7fYX]hDc]bmg`\*`

Gi a a UfmicZ\hY'7ci fgY

Gi V\YWh5fYU.`>[ Yg[ef[Ue

H\]g`Wci fgY`ZcW`gYg`cb`gmbHUI`-`hfUX]h]cbU`mXYZ]bYX`Ug`hY`gh`XmicZ\hY`[`fUa`a`Uh]W`fY`Uh]cb`VYhk`YYb`k`cfXg`k`]h]b`hY`gYbhYbW`"H\Y`Wci fgY`UddfcUWX`Yg`hY`gh`XmicZgmbHUI`Zfca`hY`dYfgdYW]j`Y`cZ`[`YbYfUHj`Y`b[i`]gh]Wg`"aiYI`d`cfYg`hY`a`YhcXc`c`[`]W`Zci`bXUh]cbg`cZ\hY`[`YbYfUHj`Y`b[i`]gh]Wg`ZfUa`Yk`cf`k`]h`dUfh]W`Uf`fYZfYbW`hc`hY`d`UW`cZgmbHUI`]b`hY`gh`XmicZ\hY`\i`a`Ub`Ub[i`U`[`Y`ZUW`m`H\Y`Wci fgY`]bj`Ygh[`Uh]g`U`bi`a`VYf`cZ`\_Ym`hY`cfYh]W`Wc`bghfi`Wg`h`Uh]U`hY`a`dh`hc`U`VW`ci`bh`Zc`f`V`ch`i`b]j`YfgU`UbX`Ub[i`U`[`Y!gdYW]Z]WgmbHUI]Wd\Ybca`YbU`"Mci`k`]`\Uj`Y`hY`cddcfri`b]m]hc`UbU`mgY`XUH]Zfca`'9b[`]g\`UbX`U`k`]XY`fUb[`Y`cZX]ZY`fYbh`Ub[i`U`[`Yg`"

7ci fgY`@YUfb]b[ `Ci hWca Yg

%`9I`d`U]b`hY`Wc`bW`dh`U`UbX`Ya`d]f]W`Zci`bXUh]cbg`cZ[`YbYfUHj`Y`gmbHUI`"  
&`5dd`miVUg]W]hY`W`b]ei`Yg`cZgmbHUI]WU`bU`mg]g`"  
'`5bU`mgY`gmbHUI]W`XUH]`UbX`Uf[`i`Y`hY`a`Yf]hg`cZ\hY`UbU`mg]g`"  
(`7`cbghfi`Wha`cXY`g`cZgmbHUI]W`\_bck`YX[`Y`hc`]bj`Ygh[`Uh]`UbX`UW`ci`bh`Zc`f`XUH]Zfca`'9b[`]g\`UbX`U`k`]XY`fUb[`Y`cZX]ZY`fYbh`Ub[i`U`[`Yg`"

HYUWX]b[ `GhfUH[ ]Yg`

H\Y`hYUWX]b[ `ghfUH[ ]Yg`]bj`c`]Y`YWh`fYg`UbX`h`hc`f]U`g`"H\Y`h`hc`f]U`g`UfY`XYg][`bYX`hc`Zc`ghYf`]bX]j`]Xi`U`dfcV`Ya`gc`]b[ `g\_]`g`Ug`k`Y`Ug`Yb[`U`[`Ya`Ybh]b`Wc`UVcfUHj`Y`hY`Ua`k`cf`\_`"

# 5ggYgga Ybh

## 5ggYgga YbhHUg\_g`

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## 5ggYgga Ybh8YHU]`g

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8YHU]`g. `( \$`a ]b`hYghcb`hcd]Wg`Wc] YfYX`]b`hY`YWh fYg`UbX`h`hcf]U`g"Mc`i`k`j`fYW]j`Y`ZYXVUW\_]bX]j`]Xi`U`m`UbX`h`fci`[`\`WUgg`X]gW`gg]cb"

5ggYgga Ybh&.`!WUgg`HYgh=

GHfhXUHŸ.`

8YHU]`g. `( \$`a ]b`hYghcb`hcd]Wg`Wc] YfYX`]b`hY`YWh fYg`UbX`h`hcf]U`g"Mc`i`k`j`fYW]j`Y`ZYXVUW\_]bX]j`]Xi`U`m`UbX`h`fci`[`\`WUgg`X]gW`gg]cb"

5ggYgga Ybh' .`DfcV`Ya `gYh

GHfhXUHŸ.`

8YHU]`g. H\]g`]g`U`hU`Y!\ca`Y`Ugg][`ba`Ybhk`\]W`Wc]`Yfg`U`h`Y`a`U`cf`hcd]Wg`cZ`h`Y`W`c`i`fgY"@Yb[`h.`%`\$\$`k`cfXg" Gh`XYbh`k`j`fYW]j`Y`]bX]j`]Xi`U`ZYXVUW\_"H\]g`]g`h`Y`Z]bU`UggYgga`YbhHUg\_`Z`f`U`h`bX`Ub`W`di`fdcgYg"

Gi`Va`]gg]cb`bchYg.H\Y`hU`Y!\ca`Y`dfcV`Ya`gYh]g`\UbXYX`ci`hcbY`k`YY`\_df]cf`h`]g`Xi`Y`XUHŸ"

Hi`fb]hb`gYhb[.`H\]g`Ugg][`ba`Ybh]g`gi`Va`]hX`h`fci`[`\`Hi`fb]hb`UbX`gh`XYbh`Xc`bchgYY`Hi`fb]hb`g]a`]Uf]mifYdcfng"





Gi Va ]gg]cb`cZ5ggYgga YbhHUg\_g

Gi Va ]gg]cb`cZ5ggYgga YbhHUg\_g

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

Ẓmci `YbWci bhYf`U`dfcV`Ya `k \Yb`U`H`Ya dh]b[ `hc`gi Va ]hmc i f`Ugg][ ba YbhHfci [ \`Hi fb]h]bžd`YUgY  
H`Yd\cbY`9I H`fbU`Gi ddcfhcb`-` , ) `` `` %cf`Ya U]`H`Ya `cb`YI H`fbU`H`hgi 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`Y`UfL` Ẓmci  
UfY`i bUV`Y`hc`gi Va ]hmc i f`Ugg][ ba YbhXi Y`hc`U`ZU`ihk ]H`Hi fb]h]b`mci `a UmiUdd`m`Zc`f`Ub`YI H`bg]cbžVi hmc i  
a i ghfY`H]b`mci f`h]W`Yhbi a VYf`Zca `9I H`fbU`Gi ddcfhfU`cb[ `k ]H`Ubmch`Yf`fY`Yj UbhXcW a Yb`hgL`hc  
]bWi XY`Ug`Yj ]XYbW`hc`gi ddcfhmci f`YI H`bg]cb`Udd`]W]h]cb" Ẓmci `Ya U]`9I H`fbU`Gi ddcfhmci `k ]`

5 WUXYa ]W<c bYghmUbX`D`U[ ]Uf]ga

D`U[ ]Uf]ga `]g`i g]b[ `hY`k cfXg`cf]XYUg`cZchYfg`UbX`dfYgYbh]b[ `hYa `Ug`mci f`ck b" `hWUb`hU`Y`a Ubm  
Zcfa gZ`Zca `XY`]VYfUHY`WXYU]b[ `hc`UWV]XYbhU`mW`dm]b[ `Zca `U`gci fW`k ]h`ci hUW\_bck`YX[ Ya Ybh`

I BGK `[ fci dg`d`U[ ]Uf]ga `]bhc`hY`Zc`ck ]b[ `WUHY`[ cf]Yg.

7 cdm]b[ .`i g]b[ `hY`gUa Y`cf`j Yfmg]a ]Uf`k cfXg`hc`hY`cf][ ]bU`hYI hcf]XYU`k ]h`ci hUW\_bck`YX[ ]b[ `hY  
gci fW`cf`i g]b[ `ei chU]cb`a Uf\_g" `H\]g`U`gc`Udd`]Yg`hc`]a U[ YgZ`UfhUbX`XYg][ b`dfc`YWgZ`Ug`k Y`Ug  
dfYgYbhU]cbg`k \YfY`gca YcbY`dfYgYbh]g`UbchYf`g`]XYUg`cf`k cfXg`k ]h`ci hWYX]h`

hUddfcdf]UHY`dUfUd`fUg]b[ .`7`U`b[ ]b[ `U`ZYk`k cfXg`UbX`d`fUgYg`k`Y`a cghmifYU]b]b[ `hY`cf][ ]bU`  
ghfi W`fY`UbX`#`f`dfc[ fYgg]cb`cZ]XYUg`cZ`hY`cf][ ]bU`Z`UbX`]bZcfa U]cb`k ]h`ci hUW\_bck`YX[ Ya Ybh`H\]g`U`gc  
Udd`]Yg`]b`dfYgYbhU]cbg`k \YfY`gca YcbY`dUfUd`fUgYg`UbchYf`g`]XYUg`cf`k cfXg`k ]h`ci hWYX]hU`bX`hc  
d]YW]b[ `hc[ YhYf`ei chYg`UbX`dUfUd`fUgYg`]bhc`U`bYk`k \c`Yz`k ]h`ci hUddfcdf]UHY`fYZYfYbW]b[ "

7 c`i g]cb.`k cf\_]b[ `k ]h`chYfg`Vi hdUgg]b[ `cZ`hY`k cf\_]Ug`U`dYfgcb`g`]bX]j ]Xi U`k cf\_"`7 c`i g]cb`U`gc  
]bWi XYg`dfcj ]X]b[ `mci f`k cf\_`hc`UbchYf`gh`XYbhVYZc`fY`hY`Xi Y`XUHY`Zc`f`Zc`hY`di fdcgY`cZ`hY`a



- i bXYfghUbx'mci f'f][ \hg'UbX'fYgdcbg]V]h]Yg'Ug'U'gh XYbhUhl BGK
- VY'Uk UfY'cZd'U[ ]Uf]ga ž'Wc'dmf][ \hž' BGK 'Gh XYbh7cXY'cZ7cbXi W'Ubx'5W'W'dhUV'Y'I gY'cZ I BGK '⇒H'F'Ygci f'W'g'Dc`]W'h
- VY'Uk UfY'cZ'Y'ghUbxUfXg'cZVY\Uj ]ci f'YI dY'W'X'cZYj Yfmcby`]b'h'Y'I BGK 'W'a a i b]m
- 'cW'W'h'gYfj ]W'g'UbX' ]bZ'fa U]cb'UVci hl BGK 'UbX'I BGK '@]VfUfm

Gca Y'cZ'Y'gY'UfY'Ug'k ]''VY'ZJa ]]Uf'hc'mci ž'c'h'Y'fg'k ]''VY'bYk "; U]b]b[ 'U'gc`]X'i bXYfghUbx]b[ 'cZU''h'Y fY'U'Y'X'UgdY'W'g'cZ9@-G9'k ]''\Y'd'mci 'a U\_Y'h'Y'a cghcZmci f'gh X]Yg'Uhl BGK ""

[\h'hd.##ji V'Y'W'i \]X'Y'g" \]V'f'U'f'm'i b'gk "Y'X'i "U'i #' \]g'Y'#J'V'c'i h' \]g'Y](#)

5 WUXYa ]WbZcfa Uh]cb`

: cfYggYbh]U`ghi XYbh]bZcfa Uh]cb`fY`Uh]b[ `rc.

- fYei Ygh]Zc`fYI hYbg]cb/
- `UhY`gi Va ]gg]cbg`[ i ]XY`]bYg/
- fYj ]Yk `cZa Uf\_g/
- I BGK `<YU`h`UbX`GUZY`midc`]WYg/

