



# ARTS3511

5Xj UbWX'; Yfa Ub'6

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

7 ci fgY`Cj Yfj ]Yk`

`GHUZZ7cbhUW`i8YHU]`g`

`7cbj Ybcfg`

B Ua Y	9a U]`	5j U]UV]`]m	@cWU]hcb	D\cbY
G]_Y`GWxcddY	g"gwxcddY4 i bgk "YXi "Ui	6mUddc]bħa Ybh		

GWcc`7cbhUW`i`bZcfa Uh]cb

GWcc`cZ<i a Ub]hYg`UbX`@Jb[ i U[ Yg

@cWU]hcb. `GWcc`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

D\cbY. `Ž\*%&`-' , ) `%, %

: U! . `Ž\*%&`-' , ) ; , +\$)

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

7 ci fgY'8YHJ]`g

7 fYX]hDc]bHg '\*`

Gi a a UfmicZ\hY'7 ci fgY

Gi VYWh5fYU.; Yfa Ub'Gh X]Yg

h'h]g'Vei fgY'mci 'k ]'Vebgc]XUHY'UbX'YI H'bx'mci f'g\_]`g]b''ghYb]b[ 'hc'zgdYU\_]b[ 'zFYUX]b[ 'UbX'k f]h]b[ ; Yfa Ub'z'k ]h'U'X]gh]bVh'Zc'W'g'cb'; Yfa Ub'gc'WY'hm'UbX'W'hi fY"@YUfb]b[ 'UWVj ]hYg']bW' XY'UbU'mg]b[ Uf[ i a YbHg]b'Vca d'YI 'hYI hg'cb'VcbWYHY'UbX'UVghfUWh'cd]Mg/Yb\UbW]b[ 'mci f'XY[ fYY'cZZi YbW'riUbX gdc'bHUbY]m'h'fci [ \ ]b'hfUW]cb'k ]h'c'hYf'gdYU\_Yfg'cZ; Yfa Ub/dUfh]W]dU]b[ ' ]b'X]gW'gg]cbg'UbX YI d'U]b]b[ 'Uj ]Yk dc]bh'XYj Y'cd]b[ 'WYUf'UbX'XYHJ]YX'Uf[ i a YbHg'z'k \YhYf']b'k f]h]b[ 'UbX'gdYU\_]b[ 'z'cb'U k ]XY'fUb[ Y'cZgi VYW'Vg'fY'U]h]b[ 'hc ]ggi Yg'cZ'hY'Yj Yfm'X'Um'Vi h'U'gc'hc'Vfc'UXYf'gc'W]U'z'dc ]h]W]z'UbX'W'hi fU' ei Ygh]cbg"'Mci 'k ]'U'gc'YI d'UbX'UbX'\cbY ]a dcf]h]b]h]gh Xmg\_]`g'gi W'Ug'W'ccg]b[ 'Uddfcdf]UHY'YUfb]b[ ghfUHY[ ]Yg'za cb]hc]f]b[ 'UbX'UXj UbW]b[ 'mci f'ck b'dfc[ fYgg"

7 ci fgY'@YUfb]b[ 'Ci hVca Yg

%" I bXYfghUbX'hY'a U]b ]XYUg'cZVca d'YI 'hYI hg ]b]; Yfa Ub'cb'Vch'VcbWYHY'UbX'UVghfUWh'cd]Mg" &" HU\_Y'Ub'UWVj Y'dUfh]b'X]gW'gg]cb ]b'ZJa ]]Uf'Vcb'YI hg'UbX'YI d'U]b'Uj ]Yk dc]bhYZZY'W]j Y'm' ' " DfcXi W'WYUfz'XYHJ]YX'k f]h]b'cf'gdc\_Yb'X]gW'gg]cbg'cb'U'k ]XY'fUb[ Y'cZgi VYW'Vg'UbX' ]b i bdfYX]WU'V'Y'g]h] U]h]cbg" (" A UbU[ Y ]b'hfUW]cbg'fY[" "]b'hY'f]i dh]b[ 'z'W'Ub[ ]b[ 'hcd]V'fYgi a ]b[ 'cf'Vcb'h]bi ]b[ 'z'WUf]Z]h]b[ a YUb]b[ 'E" )" 7 \ccgY'gi ]hU'V'Y'YUfb]b[ 'ghfUHY[ ]Yg'hc'Vcb'h]bi U'mYb\UbW'UbX'YI d'UbX'UW'ei ]fYX'g\_]`g" \*" GY'Za cb]hc'f'YUfb]b[ 'dfc[ fYgg'UbX' ]XYb]h]Z]niUFYUg ]b'bYXX'cZ]a dfcj Ya Ybh'UbX'f'fYj ]Yk "

HYUW]b[ 'GhfUHY[ ]Yg'

H\Y'YWh fY'Vcb'h]bh]g'X]j ]XYX'VY'hk Yyb'hY'dfYgYb]h]cb'cZ[ fUa a U]h]W]h'cd]Mg'UbX'hY'dfYgYb]h]cb'cZ W'hi fU'a U]h]f]U'Z]U]h fYX' ]b'hY'hY' h'cc\_" H\Y'hY' h'cc\_'W'cgYb'Zc'f'h]g'Vei fgY'Vcb'h]b]g'Uj Uf]Y'micZ ghf]i W'h fYX'[ fUa a U]h]W]z'Vcb]j YfgU]cbU'UbX'k f]h]b[ 'YI YfW]gYg" H\Y'Vcc\_'\Ug'U'g'lc'fhfY'ZfYbW'W' [ fUa a Uf h'UhW]b'VY'i gYX'Zc'f'chYf'di fdcgYg'Ug'k Y'z'dUfh]W'U'f'm'Zc'f'gY'Z]gh X'm'UbX'cb[ c]b[ 'fYj ]Yk "'7'Uggfcca X]gW'gg]cbg']b]; Yfa Ub'dfcj ]XY[ fUa a Uf'UbX'j cW]Vi 'Ufm'hc'XYj Y'cd'hcd]Mg'fY'Yj Ub'h'hc'hY'; Yfa Ub! gdYU\_]b[ 'gc'WY'Y]g'cZ9i fcdY'UbX'dfcj ]XY'cddc'f]i b]h]Yg'Zc'f'gh XYbHg'hc'YI dfYgg'hYa gY'j Yg ]b'fY'U]h]cb'hc hY]f'ck b'VUW\_] fci bXg'UbX'YI dYf]YbW'g'UbX'k ]h'fY[ UfX'hc'hY]f'gc'W]c!W'hi fU'Ybj ]fcb'a Ybh'5g'a i W'Ug d'cgg]V'Yz'hY'j cW]Vi 'Ufm'UbX'hY'hcd]Mg'cZ'hY'hYI hg'k ]'Z]U]h fY ]b'Vch'hY' [ fUa a Uf'k cf\_'Ug'k Y'Ug'hY W'Ugg'hYg]g'UbX'hY'k f]h]b'Ugg][ ba YbHg"

# 5ggYgga Ybh

## 5ggYgga YbhHUg\_g`

5ggYgga YbhHUg_	K Y][ \h	8i Y'8UHŸ	Gh XYbh@YUfb]b[ Ci hŸa Yg'5ggYggYX
GdYU_]b[ 'HUg_`	&)	\$* #\$, #&\$%- '\$- .\$\$'5A	%ž&ž(
!WUgg'HYgh`	' )	' \$#\$+ #&\$%- '\$- .\$\$'5A	%ž ž)
Dcfhžc`]c`	( \$	\$%# \$+ #&\$%- '\$( .\$\$'DA	%ž&ž ž) ž*

## 5ggYgga Ybh8YHU]`g

### 5ggYgga Ybh% 'GdYU\_]b[ 'HUg\_`

GHUfhXUHŸ. 'Bch5dd`]WUV`Y

8YHU]`g. 'Gh XYbŸg'ŸbXi WŸg\cfhX]U'c[ i Yg'f] !%\$'a ]bgŸ]b'dU]fg'cf'ga U''' [ fci dg": YYXVUW\_] ]U'a Uf\_]b[ fi Vf]WUbX`]bX]] ]Xi U`Ÿa a YbŸg"

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

GdYU\_]b[ '5ggYgga YbŸg'U\_Y'd'UWŸ`\* '5i [ i gh&\$%- 'Xi f]b[ 'WUgg'h]a Y"

## 5ggYgga Ybh&. !WUgg'HYgh

GHUfhXUHŸ. 'Bch5dd`]WUV`Y

8YHU]`g. '\* \$'a ]b""H\Y'Ÿghk ]`Ÿbg]ghcZUi hc'a U]WU`mia Uf\_YX'ei Ygh]cb'hmdYg'fŸ"[ ""a i 'h]d'Y'Ÿc]WŸžg\cfh Ubgk Yfž'UbX'a UHŸ]b[ 'E'UbX`]bX]] ]Xi U`m[ fUXYX'ei Ygh]cb'hmdYg'fcbdYb!YbXYXžg\cfhŸI hgŸ'Gh XYbŸg fYŸW]j Y'Ÿc'fYŸŸX'ŸgŸg'UbX'cfU`ZYXVUW\_]b'WUgg"

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

Hi YgXUnž' \$'>i `mž- .\$\$"

## 5ggYgga Ybh' . Dcfhžc`]c`

GHUfhXUHŸ. 'Bch5dd`]WUV`Y

8YHU]`g. 'Dcfhžc`]c`Ÿbg]ghg'cZŸc'dUfŸg'k \]WŸ'UfY'gi Va ]ŸŸX'cb'hŸY'@A G'cj Yf'hŸY'Ÿc'fgY'cZŸY'Ÿfa " 9UWŸ'dUfhk ]`fŸei ]fY'WU"- '\$'a ]bi hŸg'k cf\_ž]bWŸ X]b[ 'g\cfh]Ubkg Yfž'a i 'h]d'Y'Ÿc]WŸ'UbX'cdYb!YbXYX ei Ygh]cbgžg\cfhk f]h]b[ 'hUg\_g'UbX'fYZYŸŸcb'cb'gh XYbŸgfi'YUfb]b[ 'bYYXg'UbX'dfc[ fYgg": YYXVUW\_]cb'YUWŸ dUfhj ]U'a Uf\_]b[ 'fi Vf]Wk ]Ÿ' ]bX]] ]Xi U`Ÿa a YbŸg"

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

H\Y'Dcfhžc`]c` \Ug'Ÿk c'dUfŸg"

DUfh%]g`Xi Y`A cbXUmž%>i `m&\$%- ž%\* .\$\$"

DUfh&]g`Xi Y`A cbXUm%&5i [ i gh&\$%- ž%\* .\$\$"

5 hYbXUbW F Yei ]fYa Ybhg

5 hYbXUbW cZ@YWhi fYg#hi hcf]U'g'ig'a UbXUhcfm]b'h]g'Wci fgY"i bYI W gYX'UVgYbW'Zca 'a cfY'hUb'&\$i  
 cZ@YWhi fYg#hi hcf]U'g'k ]'fYgi 'h]b'h'Y'Uk UfX'cZU'ZU]' fUXY" b'@YWhi fY#hi hcf]U'g'mci 'k ]'UW]j Y'mYb[ U[ Y  
 k ]h'WcfY'Wci fgY'WcbhYbZ'YbUV'j]b[ 'mci 'hc'UhtU]b'7 ci fgY '@YUfb]b[ 'C i hWca Yg'%'( "

7 ci fgY'GWXYXi `Y

[J \]yk 'WUgg'ha YhUVY](#)

H]a YhUV`Y`

8 UHY	HmdY	7 cbhYbh
K YY_% " ' >i bY! '+>i bY	@YWhi fY	5gdY_hY'? Ud]hY''* ': ]hZof...
	Hi hcf]U'	5i zU_hZ'A cXi ``% 5gdY_hY'? Ud]hY''* ': ]hZof... A cXi ``&
K YY_&.%\$>i bY! '%(>i bY	@YWhi fY	5gdY_hY'? Ud]hY''* ': ]hZof...
	Hi hcf]U'	A cXi ``' 5gdY_hY'? Ud]hY''* ': ]hZof... A cXi ``('
K YY_' .%+>i bY! '&%>i bY	@YWhi fY	? Ud]hY''+'? i 'hi fk Y'hYb
	Hi hcf]U'	5i zU_hZ'A cXi ``% ? Ud]hY''+'? i 'hi fk Y'hYb A cXi ``&
K YY_(. '&(>i bY! '&>i bY	@YWhi fY	? Ud]hY''+'? i 'hi fk Y'hYb
	Hi hcf]U'	A cXi ``' ? Ud]hY''+'? i 'hi fk Y'hYb' A cXi ``('
K YY_) .%>i `m!) '>i `m	@YWhi fY	? Ud]hY'', '8 Ug'a UWX'hfY£; YgVX]VX'hY
	Hi hcf]U'	5i zU_hZ'A cXi ``% ? Ud]hY'', '8 Ug'a UWX'hfY£; YgVX]VX'hY A cXi ``&
	5ggYgga Ybh	Dc fhZ' ]c' DUfh%Xi Y'%>i `m&\$%- z'%\$. \$\$"
K YY_*. , '>i `m! '%&>i `m	@YWhi fY	BC `7 @5GG`CB`HI 9G85M£- '>i @M GHI 89BHG`F 979= 9`5`K CF? `5H`<CA 9 D57? 5; 9`CB`

		? Ud]hY'', '8 Ug'a UWX hfY E; YgWX]WX hY 'A cXi '' "
	Hi hf]U'	? Ud]hY'', '8 Ug'a UWX hfY E; YgWX]WX hY A cXi ''(
K YY_+. %) 'i 'm! %- 'i 'm	@YWh fY	? Ud]hY''- 'A ]hj ]Y''; YZØ\` 5i ZU_ hZ A cXi ''%
	Hi hf]U'	<del>? Ud]hY''- 'A ]hj ]Y''; YZØ\`</del> <b>Viel Gefühl</b> A cXi ''&
K YY_-. '&&'i 'm! '&'i 'm	@YWh fY	? Ud]hY''- 'A ]hj ]Y''; YZØ\` A cXi ''
	Hi hf]U'	? Ud]hY''- 'A ]hj ]Y''; YZØ\` A cXi ''(
K YY_-. '&- 'i 'm! '& 5i [ i gh	Hi hf]U'	%o %o %o

F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

I h`?c]hUbz<Y`Yb`GWa ]m`Yh`U`"

5gdY\_h`bYi`'6&.`A ]hY`ghi ZY`8Yi hgW`"@Y\!`i bX`5fVY]hgVi W`a ]h5i X]c!78`"HY]`&

66B!%\$.`' %&\* \$) \$&, L / 66B!% .`- +, !' %&\* \$) \$&, -`fUj U]UV`Y`Uh`h`Y`I` b]j Yfg]m6cc\_g`h`fYk

F YWca a YbXYX`F Ygci fWg

GYY`A ccXY`Wci fgY`k YVg]hY

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

7ci fgYg`UfY`dYf]cX]WU`mifYj ]Yk YX`UbX`ghi XYbhfZ`YXVUW\_]g`i gYX`hc`]a`dfcj Y`h`Ya`":`YYXVUW\_]g  
[ U`h`Y`f`Y`X`Z`f`c`a` `g`h`i` X`Y`b`h`g`i` g]b[ `A`m`9`I`d`Y`f`]`Y`b`W`" `G`h`i` X`Y`b`h`g`U`f`Y` `Y`b`W`c`i` f`U`[` Y`X` `h`c` `W`c`a` d`Y`h` `h`h`Y`]`f`g`i` f`j` Y`m`g` `V`m`  
U`W`W`g`g`]b[ `h`Y` `d`Y`f`g`c`b`U`]g`Y`X` `k` Y`V`]b\_] ]U`h`Y` `A` cc`X`Y` `W`c`i` fg`Y`g`]h`Y`"



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`mYUfL` Ẓmci  
UfY`i bUV`Y`hc`gi Va ]hmc i f`Ugg][ ba YbhXi Y`hc`U`ZU`hik ]H`Hi fb]h]b`mci `a UmiUdd`miZc`f`Ub`YI H`bg]cbžVi hmc i  
a i ghfYH]b`mci f`h]W`Yhbi a VYf`Zca `9I H`fbU`Gi ddcfhfU`cb[ `k ]H`Ubmch`Yf`fY`Yj UbhXcW a YbHgE`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 bYghmiUbX`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 gž 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.

7cdm]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[ YgžUfhUbX`XYg][ b`dfc`YWgžUg`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`Ub[ ]b[ `U`ZYk `k cfXg`UbX`d`fUgYg`k \]Y`a cghmiFYhU]b]b[ `hY`cf][ ]bU`  
ghfi W`i fY`UbX`#`f`dfc[ fYgg]cb`cZ]XYUg`cZ`hY`cf][ ]bU`ž`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`Yž`k ]h`ci hUddfcdf]UHY`fYZYfYbW]b[ "

7c`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\_"`7c`i g]cb`U`gc  
]bWi XYg`dfcj ]X]b[ `mci f`k cf\_`hc`UbchYf`gh`XYbhVYZc`fY`hY`Xi Y`XUHYž`cf`Zc`f`hY`di fdcgY`cZ`hY`a

- i bXYfghUjX'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'UjX'5W'W'dhUV'Y'I gY'cZ  
I BGK '⇒H'F'Ygci f'W'g'Dc'W'h
- VY'Uk UfY'cZ'Y'ghUjX'UfX'g'cZVY\Uj ]ci f'YI dY'W'X'cZYj Yfmc'bY'j'b'h'Y'I BGK 'W'a a i b]m
- 'cW'U'Y'gY'fj ]W'g'UbX'j'bZ'c'fa U'h'c'b'UV'ci hi 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 bXYfghUjX]b[ 'cZU''h'Y  
fY'U'Y'X'UgdY'W'g'cZ9@G9'k ]''\Y'd'mci 'a U\_Y'h'Y'a cgh'cZ'mci f'gh X]Yg'Uhl BGK ""

[\h'c' #j' V'Y'W'f' i \]X'Y'g'' \]V'f'U'f'm'i b'g'k "Y'X'i "U'i #' \]g'Y'#U'V'c'i h'Y' \]g'Y](#)

5 WUXYa ]WbZcfa Uh]cb`

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

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

