



# ARTS2120

K f]hjb[ 'Zcf'DYfZcfa UbVW

HYfa 'H\fYY'##'&\$%-




7 ci fgY'8YHJ]`g

7 fYX]hDc]bHg`\*`

Gi a a UfmicZ\hY'7 ci fgY

Gi V'YWh5fYU. FZWSfdWS` V BWAad\_ S` UWE fgV[W~~e~~  
H\]g`Wci fgY`Wb`U`gc`VY`gh`X]YX`]b`h\Y`Zc`ck`]b[ `gdYW]U`]gU]cb. `5 d\sf[hWI` dff` Y

H\]g`Wci fgY`YI d`cfYg`h\Y`k`Um]g`h\Uhk`f]h]b[ `dYfZcfa`gž`bcha`YfY`mXYgW]V]b[ `h\Y`k`cfX`Vi`hUW]j`Y`mFY!  
g\Ud]b[ `]ž`]b`h\Y`k`Um]h]ghfi`Wh`fYg`h\ci`[ `hž`ZY`]b[ `žYbWci`bHfž`UbX`a`Ya`cfm`H\fcI`[ `k`YY`\_`m`YWh`fYgž`  
[ `i`]YX`k`cf`\_`g\cdgž`UbX`fYUX]b[ `g`UbX`YI`YfW]gYg`ci`hg]XY`cZWUggž`mci`k`]`YI`d`cfY`U`j`Uf]YmicZ\hYUhf]W`  
UbX`dYfZcfa`U]h]Y`Y`a`cXYg`"i`h]a`UHY`m`h\YgY`k`]`VY`X]fYW]X`hck`UfX`k`f]h]b[ `mci`k`]`WYUHY`Zcf`U`dYfZcfa`YX`  
g]h`U]h]cb`-`k`\]W`a`UmVY`XY`j`YfYX`j`Y`VmiU`dYfZcfa`Yf`cf`dYfZcfa`Yfg`]b`U`h\YUhfY`žYbWci`bHfYX`VmiU`  
gYUHYX`cf`a`cV]Y`Ui`X]YbW]žYI`dYf]YbW]X`h\fcI`[ `a`YX]U`gi`W`Ug`YUXd\cbYg`cf`\ndYf]h]i`hž`cf`gca`Y`ch\Yf`  
Wca`V]bU]h]cb`"6i`h]b`Xc]b[ `gc`k`Y`k`]`hU`\_Y`]bgd]fU]h]cb`Zca`h\Y`k`Um`Ub[ `i`U[ `Y`k`cf`\_`g`U`U`fci`bX`i`gž`k`Y`h\Yf`  
]b`h\Y`h\YUhfY`cf`VY`mcbX`"

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

- %`GY`YWh`UbX`i`h]`nY`Uddfcdf]UHY`dfUW]W]V!`UgYX`UddfcUWX`Yg`h`Wca`dcg]h]cbU`a`cXYg`Zca`U`fUb[ `Y`  
cZW`ffYbhd]fUW]W]g`"
- &`HY`gh]UbX`UggYgg`h\Y`fY`U]h]cbg\]d`VY`h`YY`b`h\Y`Zcfa`cZU`dYfZcfa`UbW`hYI`hUbX`]hg`Wc`bHf]bž`  
Wc`bHf]i`h`U`]g]b[ `mci`f`k`cf`\_]b`fY`U]h]cb`h`c`h\Yf`k`f]h]fg`"
- '`F`YU`]gY`h\Y`WYU]h]cb`cZU`k`f]h]Y`b`dYfZcfa`UbW`hYI`h\UhfYgdc`bXg`h`gdYW]Z]WdYfZcfa`UbW`  
]bHf]b]h]cbgž`Z]Ja`YX`h\fcI`[ `U`b`Uk`UfYbYgg`cZ]hg`Wc`bX]h]cbg`cZfYW]d]h]cb`VmiU`fYU`cf`dchY`b]h]U`  
Ui`X]YbW`"

HYUW]b[ `GhfUHY[ `]Yg`

H\]g`Wci fgY`]g`h]i [ `h]h\fcI`[ `k`YY`\_`m`YWh`fYgž`k`\]W`k`]`]b]fcXi`W`\_YmiWc`bW`d]hg`UbX`UddfcUWX`Yg`Ug`k`Y`  
Ug`a`cXY`]b[ `X]ZYfYb]h]Zcfa`g`cZk`f]h]b[ `Zcf`dYfZcfa`UbW`"mci`k`]`U`gc`i`bXYf]U`\_Y`]bXYdYbXYb]h]fYUX]b[ `UbX`  
k`f]h]b[ `YI`YfW]gYg`]b`dfYdUfU]h]cb`Zcf`[ `i`]YX`k`cf`\_`g\cdgž`k`\]W`k`]`]b]fcXi`W`Z`f]h]Yf`YI`YfW]gYg`h`c`XYj`Y`cd`  
mci`f`k`f]h]b[ `mci`k`]`VY`Ug`\_YX`h`hfm]Zcfa`g`cZk`f]h]b[ `h\Uha`UmVY`i`bZ]a`]Uf`h`mci`ž`YUX]b[ `hck`UfX`U`  
%\$!`a`]bi`h`dYfZcfa`UbW`hYI`h]Zcf`k`\]W`mci`k`]`VY`UV`Y`h`W]ccgY`UbmicZ\hY`a`cXY`g`f]cf`a`]`cZa`cXY`g`k`Zcf`  
mci`f`Z]bU`dfYgYb]h]cb`"

5ggYgga Ybh

5ggYgga YbhHUg\_g`

5ggYgga YbhHUg_	K Y][ \h	8i Y`8UH	Gh XYbh@YUfb]b[ Ci hWta Yg`5ggYggYX
DfUW]W`dcfhZc`]c`	' \$i	&#/%\$#&\$%- '\$) . \$\$`DA	%
7 f]h]WU`Ybei ]fm	( \$i	%#/#/#/#&\$%- '\$) . \$\$`DA	&
DYfZcfa UbW`k f]h]b[ `dfc`YW`i	' \$i	&- #/#/#/#&\$%- '\$) . \$\$`DA	'

5ggYgga Ybh8YHU]`g

5ggYgga Ybh%`DfUW]W`dcfhZc`]c`

GHUfhXUH`.

8YHU]`g. `GY`YW]cb`cZ` `d]YVW`g`cZWYUH]`Y`k`f]h]b[ `fUddfc]`")`\$\$`k`cfXgE`YUW`h`UhUfY`XYj`Y`cdYX`j`Yfg]cbg`cZ]b!WUgg`UbX`UH`ca`Y`k`f]h]b[ `HUg\_g`Z`ca`h`Y`Z]fgh)`k`YY\_g`"5ggYggYX`Vmfi`Vf]W`

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

5ggYgga Ybh&.`7 f]h]WU`Ybei ]fm

GHUfhXUH`.

8YHU]`g. 8YHU]`g. `7 f]h]WU`mUbU`mgY`Ub`YI`Ua`d`Y`cZk`f]h]b[ `Zc`f`dYfZcfa`UbW`]`%`

Zk`f]h]b[ `Zc`f`dYfZcfa`UbW`]`b`

## 5 HbXUbW F Yei ]fYa Ybhg

- 5HbXUbW cZ@YWh fYg UbX#cfHi hcf]U'g:]g'a UbXUhcfm]b'h]g'Vei fgY"i bYI W gYX UVgYbW Zfca a cFY hUb &\$i cZWUggYg'k ]'fYgi 'h]b'hY'Uk UFX'U'ZU]' [ fUXY"
- 5h hcf]U'g'mci 'k ]'UWh] Y'mYb[ U[ Y'k ]h'Vefy'Vei fgY'VebhYbhUk ]'YbUV'Y'mci 'hc'XYa cbgfUHy UHu]ba YbhcZfcf\Y'd'mci 'hc'UHu]bE'7 @C '%fGY'YWhUbX'i h]nY'Uddfcdf]UHy'dfUWh]W!VUgYX UddfcUWYg'hc'Vea dcg]hcbU'a cXYg'Zfca 'U'fUb[ Y'cZW ffYbhidfUWh]W'gk
- 5YWh fYg'mci 'k ]'UWh] Y'mYb[ U[ Y'k ]h'Vefy'Vei fgY'VebhYbhUk ]'YbUV'Y'mci 'hc'XYa cbgfUHy UHu]ba bYhcZfcf\Y'd'mci 'hc'UHu]bE'7 @C '&fHYghUbX'UggYgg'hY'fY'Uhc]cbg\]d'VYhk YYb'hY'Zcfa'cZ U'dYfZcfa UbW'hYi hUbX'jhg'VebhYbh'VebhYi h'U'j]b[ 'mci f'k cf\_]b'fY'Uhc]cb'hc'chYf'k f]h'fg"e"

## 7 ci fgY GWXYXi `Y

[J \]yk WUgg'ha YHUV'Y](#)

H]a YHUV'Y'

8 UHy		
		H]a YHUV'Y'

F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

D`YUgY`gYY`@Y[ Ubhc`Zcf`hY`]ghcZfYWca a YbXYX`hI hVcc\_g`UbX`k`YY`\_mfYUX]b[ g"5`fYei ]fYX`fYUX]b[ g WUb`VY`UWw`ggYX`j`jU`@Y[ Ubhc`fcb`A`ccX`Y`UbX`Xck`b`c`UXYX`UbX`df]bhYX`Uh\ca`Y"

F YWca a YbXYX`F Ygci fWg

DUi`7`7`UghJ[ bcž@W`B`Ski`df`Y`E`f`SfW`[Wé, >S`YgSYWS`V`?`W[S`[`fZW\$#ef5W`fgkž&bX`YX`f@cbXcb`UbX`BYk`Mcf`\_`F`ci`hYX[`Yž&\$%\$"

>c\b`:`fYYa`Ubž@W`B`Wad`S`UW@W`I`df`Y`f6Ug]b[`ghc`\_Y`DU`[`fUj`Yž&\$+\$+Ł

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

Mci`f`ZYXVUW`\_]g`U`k`Umg`]a`dcfhUbhc`hY`cb[`c]b[`XYj`Y`cda`Ybhczh`]g`Wci`fgY`"D`YUgY`WcbUW`ia`Y`Xi`f]b[`hY`Wci`fgY`]Zmci`Uj`Y`Ubm]ggi`Yg`cf`WcbW`fbg"

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`i`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`UbmchYf`fY`Yj UbhXcW a YbHgE`hc  
]bWi XY`Ug`Yj ]XYbW`hc`gi ddcfhmc`i f`YI H`bg]cb`Udd`]W]h]cb" Ẓmci `Ya U]`9I H`fbU`Gi ddcfhmc`i `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 gžZca 'XY`]VYfUh'`WXYUh]b[ 'h'UWV]XYbhU`miW'cdm]b[ 'Zca 'U'gci fW'k ]h'ci hUW\_bck `YX[ Ya Ybh'

I BGK '[ fci dg'd`U[ ]Uf]ga ']bh' hY`Zc`ck ]b[ 'WU]h[ cf]Yg.

7 cdm]b[ . i g]b[ 'hY`gUa Y'cf'j Yfmg]a ]Uf'k cfXg'h' hY'cf][ ]bU`hI hcf']XYU'k ]h'ci hUW\_bck `YX[ ]b[ 'hY



- 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'U'g'U'X'U'f'X'g'c'Z'V'Y'\U'j ]ci f'Y'I d'Y'W'X'c'Z'Y'j Y'f'm'c'b'Y'']b'U'Y'I BGK 'W'c'a a i b]m
- 'c'W'U'h'g'Y'f'j ]W'g'U'bx'j'b'Z'c'f'a U'h'c'b'U'V'c'i h'i BGK 'U'bx'I BGK '@]V'f'U'f'm

Gca Y'cZ'U'g'Y'U'f'Y'U'g'k ]''V'Y'Z'J'a ]]U'f'U'c'm'c'i ž'c'h'Y'f'g'k ]''V'Y'b'Y'k "'; U]b]b[ 'U'g'c'X'i bXYfghUbx]b[ 'cZU''U'Y'f'Y'U'h'X'U'gd'Y'W'g'c'Z'9@-G'9'k ]''\Y'd'm'c'i 'a U\_Y'U'Y'a c'g'h'c'Z'm'c'i f'g'h X]Y'g'U'hl 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'#\]V'c'i h' \]g'Y](#)

