



## SOCW2003

7 ci bgY``b[ . '9b[ U[ Ya Ybhž'5ggYgga YbhUbX'6f]YZ  
#hYfj Ybh]cb

HYfa `Cby` `#`&\$%-

GWXcc``cZGcWJU``GWYbWg` `#`'1 BGK ` `5ftg`UbX`GcWJU`GWYbWg`g

7ci fgY`Cj Yfj ]Yk

`GHUZZ7cbHJW`i8YHJ`g`

`7cbj Ybcfg`

B Ua Y	9a Uj`	5j Uj`UVj`]m	@cWJhcb	


7ci fgY'8YHJ]`g

7fYX]hDc]bHg`\*`

Gi a a UfmcZh\Y'7ci fgY

Gi VYWh5fYU.EaU[S^l`adj

# 5ggYgga Ybh

h'lg'Wci fgY'mci 'UfY'YI dYWYX'hc'UHYbX'Uh'YUgh, \$i 'cZWUggYg" H\Jg'a YUbg'hUhmci 'a i ghUHYbX  
%\$#&'cZhi hcf]U'g#jYa ]bUfg'5B8 '%\$#&'YWh fYg"'Gh XYbtg'UfY'fYei ]fYX'hc'UHYbX'Zcf'hAY'k \c'Y'cZHY  
'YVh'fY'UbX'hi hcf]U'UbX'hcgY'k \c'Uffj] Y'a cFY'hUb'%'\$'a ]bi hYg'UHY'cf''YUj Y'a cFY'hUb'%'\$'a ]bi hYg'YUfm  
k ]''VY'XYYa YX'hc'VY'UVgYbh''5'fc''k ]''VY'fU\_Yb''

z'mci 'UHYbX''Ygg'hUb', \$i 'cZWUggYgzmci 'a UmVY'fYZ'gYX'ZbU'UggYgga Ybh': cf'hY'd'YYbh''k \c''H


@Yb[ h. 'b#J

8YHJ]g. 'Gh XYbfg'UfY 'fYei ]fYX'hc 'Wca d'YH'gYhk YY\_'mfYUX]b[ g'df]cf'hc 'h'hc f]U'g'UbX'hc 'hJ\_Y'hi fbg'hc  
gdYU\_'hc 'h\Y'fYUX]b[ g'k \Yb'bj ]h'X'jb'WUgg'Vmi'h'Y'hi 'hc'f'cb'Uh'YUgh'k c'fUbXca 'mbca ]bUh'X'c'VWUg]cbg"



	Hi hcf]U`	: Ua ]m]bhYfj jYk g`&
K YY_`-.`%`5df]`!`&% 5df]`	@YWh fY	F ]g_`UggYgga Ybh
	Hi hcf]U`	I g]b[ `f]g_`UggYgga Ybhlc`g
K YY_`%\$.`&&`5df]`!`&, 5df]`	@YWh fY	; cU`g`UbX`Vf]YZ]bhYfj Ybh]cb
	Hi hcf]U`	7 cbfUW]b[ `UbX`[ cU`gYh]b[ ``f]Hi YgXUmh hcf]U` WUggYg`cb`m!`WUggYg`cb`A cbXUm]UbX`H\i fgXUm]` \Y`X`cj Yf`h`K YY_`%&`
K YY_`%%`&-`5df]`!`% A Um	Hi hcf]U`	K YY_`%\$`WUgg`Zcf`h hcf]U`g`bcfa U`m\Y`X A cbXUm]UbX`H\i fgXUm`
		A cbXUm]WUggYg`!`gUa Y`h]a Y`A cbXUm]&-`h`5df]```
		H\i fgXUm]%%&!`h`Hi YgXUm` \$h`5df]`%%&`
		H\i fgXUm]`!`h`Hi YgXUm` \$h`5df]`%&`
		H\i fgXUm`!)`h`Hi YgXUm` \$h`5df]`!)`

F Ygci fWg

DfYgWf]VYX F Ygci fWg

H9LH6CC?G

<Ydk cfl\ž8 "žF ccbYmžF "žF ccbYmž; "ž/ 'Glfca !; chz]YXž? "f&\$% Ł 8]fYWhGcWU'K cf 'DfUW]W'.  
H\YcfmUbX'G ]g'-'h'9X""H\ca dgcb.'6fcc\_g#7 c'YžI G5"

fB6 <Ydk cfl 'YhU'']g'U'gc 'U'fYei ]fYX'hYI hZcf'GC 7K &\$-\$- Ł

F YWca a YbXYX F Ygci fWg

6CC?G

ž Ym5žUbX'6fUXZcfX' ž YmžA ""f&\$'\$' Ł' bYb]cbU"" bYfj ]Yk ]b[ ''5bX'7ci bgY''b[ ': UW]fU]b[ '7'Ybh  
8Yj Y'cda Ybh'5'A i 'hW' h fU'GcWY]m) h' YXž 'H\ca gcb#6fcc\_g#7 c'Y'DUW]W; fcj Yž7U'Z'.....fWeb  
5ZSbfWd% CgWef[a` e' A bW [ Y 5a\_ \_g' [USf[a` bbž (' Ž\*' [ S' V 5ZSbfWd) ;' fWdSf[ Y [efW [ Y e] [e,  
: ai' fa Ua` VgUf fZWi W^xad\_ W [ fWch[W bbž#+ " ŽS" \*fi.....fkI 7Ł

CH<9F F 958-B; G

6Yf[ ž'bgcc'? ]a žf%- ('ŁGeWg^CgWef[a` e S` V A fZWd;` fWch[W [ Y FWUZ` [cgWe ]b: Ua ]m6UgYX'GYfj ]Wg.  
5'Gc'i hcb!: cWgYX'5ddfcUWX'BcfcfbžI G5'7\ ""\*ždd", (!%\$(

9[ Ubž; "f&\$\*\$Ł7\ "" 'H\Y'\Y'd]b[ 'fY'Uh]cbg\]d. 'J U'i Yg ]b'UW]cb'9ggYbh]U'g'cZG ]'YX  
<Y'd]b[ ž'H\ca dgcb# Uxgk cfl'dd"" (+!+

; fUbY`cž8ž<žf&\$%\$ŁH\Y'DfcWgg'cZGi ]WXY'F ]g\_'5ggYgga Ybh'Hk Y'j Y'7 cfY'Df]bW]d'Ygž'>ci fbU'  
cZ7ci bgY]b[ 'UbX'8Yj Y'cda Ybh, , 'fl ŁfGi a a Yf'&\$%\$Ł "" \*' !' +%

6]W\_Yfrcbž<YbgY'YhU'f&\$+\$Ł"GUZY]m: ]fgh5'A cXY`cZ7 UfY'Zcf'K cf\_]b[ 'Gmg]Ya ]W]`miK ]h'<][ \  
F ]g\_'Mci b[ 'DYcd'Y'UbX'H\Y]f: Ua ]Yg]b'Ub'5W h'7 5A <G'GYfj ]W""5i ghfU']Ub'UbX'BYk 'NYU'UbX  
>ci fbU'cZ: Ua ]mH\YfUdm&, 'fl Ł'dd""%&%-%&-

7ccdYfžA "/ @YggYfž>"f&\$)\$ Ł7\ "" ('H\Y'dgm]XcgcW]U'gh Xmi-'h\Y'dfcXi W]cZUggYgga Ybhž]b'  
Z']b]W]GcWU'K cf 'DfUW]Wž5b' bY[ fU]YX'5ddfcUWXž&bX'9X"5`mb' / '6UWbžI G5'Dd""(!)\*'

: ]bYžG"/ ; 'UggYfž'D"f%- \*ŁC b'F i 'Ygž; cU'g'UbX'7 cbhfUWg ]b'H\Y: ]fgh<Y'd]b[ ' bYfj ]Yk.  
9b[ U[ ]b[ 'h\Y'7'YbhUbX'6i ]X]b[ 'Hfi ghžGU[ YžI G5'7\ ""\*ždd"+-!- &

A W c'Xf]WžA "ž; YfgcbžF "/ 'G\Y`YbVYf[ Yfž'Gžf%- -- Ł8Yj Y'cd]b[ 'U'; Ybc[ fUa 'hc'HfUW  
: Ua ]mDUHfYfbgž]b: Ybc[ fUa g.'5ggYgga Ybh/ ' bYfj Ybh]cb'žB cfcfbžB "M'7\ ""&"dd""% (!)

G\YUžcf'6"/ <cfYg]ž7"f&\$'\$' Ł7\ "", ž6Ug]W7ca a i b]W]h]cb/ <Y'd]b[ 'G\_]g' ]b'HYW]b]ei Yg'UbX  
: i ]XY]bYg'Zcf'GcWU'K cf 'DfUW]Wž\* h'9X"ždd""% (!%\*) žS`Yb'UbX'I bk ]bž6cgfcb.....



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

Gh XYbhZYXVUW\_k ]`VY [ UhYfYX' ]b'WUgg'UbX'i g]b[ 'hY'a mYI dYf]YbW'gi fj Ymg'UhY'YbX'cZgYa YghYf"  
6UgYX'cb'ZYXVUW\_fYW']j YX' ]b'dfYj ]ci g'mYUfgz'a cfY'fUf[ Yh'X'UbX'g\cfh'f'fYUX]b[ g'\Uj Y'VYYb  
]bfcXi W'X/a cfY' ]bZcfa Uh]cb'cb'UggYgga YbhUg\_g'dfcj ]XYX/'UbX'W']hYf]U'Zc'f'hY'gYW'cbX'Ugg][ ba Ybh  
\Uj Y'VYYb'a UXY'a cfY'gdYWZ]W

Gi Va ]gg]cb`cZ5ggYgga YbhHUg\_g

Gi Va ]gg]cb`cZ5ggYgga YbhHUg\_g

## 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" #WUbb`hU`Y`a Ubm Zcfa gZ`Zca`XY`]VYfUHY`WXUhf]b[ 'hc`UWV]XYbhU`mW`dm]b[ `Zca`U`gci fW`k ]hCi 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`hY`hcf`]XYU`k`]hCi 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`dfYgYbhg`UbchYf`g`]XYUg`cf`k`cfXg`k`]hCi hWYX]h`

#Uddfcdf]UHY`dUfUd`fUg]b[ .`7`U`b[ ]b[ `U`Zk`k`cfXg`UbX`d`fUgYg`k`Y`a`cghmifYU]b]b[ 'hY`cf][ ]bU`g]fi`W`fY`UbX`#`f`dfc`[ fYgg]cb`cZ]XYUg`cZ`hY`cf][ ]bU`Z`UbX`]bZcfa`U]cb`k`]hCi 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`]hCi hWYX]hUbX`hc`d]YW]b[ `hc[ YhYf`ei`chYg`UbX`dUfUd`fUgYg`]bhc`U`bYk`k`Yc`Zk`]hCi 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`XUHY`Zc`f`Zc`f`hY`di`fdcgY`cZ`hY`a`d`U[ ]Uf]g]b[ `Uh`Ubm]h`a`Y`Z`dUm]b[ `UbchYf`dYfgcb`hc`dYfZc`fa`Ub`UWUXYa`]W]Ug`\_`Z`ghYU`]b[ `cf`UW`ei`]f]b[ `UbchYf`dYfgcb`g`UWUXYa`]Wk`cf\_]`UbX`W`dm]b[ `]h`c`ZYf]b[ `hc`W`a`d`Yh`UbchYf`dYfgcb`g`k`cf\_]`cf`gYY\_]b[ `dUma`YbhZc`f`W`a`d`Yh]b[ `UWUXYa`]Wk`cf\_"]

#Uddfcdf]UHY`W]hU]cb.`7`h]b[ `gci`fW`g`k`Y`W`Uj`Y`bchVYYb`fYUXZk`]hCi hUW\_bck`YX[ ]b[ `hY`"gYW`bXUfm`gci`fW`Zca`k`Y`W`\_bck`YX[ Y`cZ`hY`a`U`g`VYYb`cVhU]bYX"

8i`d`]W]h]cb`f`f`gY`Z`d`U[ ]Uf]ga`"L`gi`Va`]h]b[ `mci`f`ck`b`k`cf`\_`Z`]b`k`Yc`Y`cf`]b`dUf`Zk`YfY`]h`Ug`dYj`]ci`g`m`VYYb`dfYdUfYX`cf`gi`Va`]hYX`Zc`f`UbchYf`UggYgga`Ybhcf`W`i`fgY`Uhi`BGK`cf`UbchYf`i`b]j`Yfg]m`

7cffYW`fYZYfYbW]b[ `dfUW]W]g.

- DUfUd`fUg]b[ `Zgi`a`a`Uf]g]b[ `Z`YggUm`k`f]h]b[ `UbX`h`a`Y`a`UbU[ Ya`Ybh`
- 5ddfcdf]UHY`i`gY`cZ`UbX`Uhf]Vi`h]cb`Zc`f`U`fUb[ Y`cZa`UHYf]U`g`]b`\$

%o

U,



5 WUXYa ]WbZcfa Uh]cb`

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

- fYei Yghg`ZcfYI hYbg]cb/
- `UH`gi Va ]gg]cbg`[ i ]XY`]bYg/
- fYj ]Yk `cZa Uf\_g/
- I BGK `<YU`h`UbX`GUZY`midc`]WYg/
- YI Ua ]bUh]cb`dfcVWXi fYg/
- gdYW]U`Wc]bg]XYfUh]cb`]b`hY`Yj Ybhcz]`bYgg`cf`a ]gUXj Ybh fY/
- ghi XYbhYei ]hmUbX`X]gUV`]`hm/
- UbX`chYf`YggYbh]U`UWUXYa ]W]bZcfa Uh]cbz`gYY

[\h\]dg.#k k k "Uf\]g"i bgk "YXi "Ui #W ffYbh\]ghi XYbh\]bZcfa Uh\]cb`dfc\]Wc`g!\[ i \]XY`\]bYg#](#)

⇒ U[ Y`7 fYX]h

H\]g`]a U[ Y`k Ug`hU\_Yb`VmUbX`]g`Wc]dnf][ \h]c`>c`GdUb[ Ufc`&\$%

7F ⇒ CG

7F ⇒ CG`Dfcj ]XYf`7cXY.`\$\$\$- , ;