

# **SOCW2003**

≠blfcXi Whjcb hc GcWjU`K cf\_'7 ci bgY``]b[ 'UbX'5ggYgga Ybh

HYfa 'C bY''# '&\$&\$

## 7ci fgY<sup>\*</sup>Cj Yfj ]Yk

### <sup>'</sup>GhJZ'7cbhJWh'8YhJ]`g'

#### '7cbj Ybcfg'

B Ua Y	9a U]`	5j U]`UV]`]m	@cWJhjcb	D\cbY
8f'D\]``]dU'9j Ubg		-	A cfj Yb 6fck b fcca '‰)	-',)`,% -

#### 'Hi hcfg'

BUa Y	9a U]`	5j U]`UV]`]m	@cWUh]cb	D∖cbY
9j U <sup>.</sup> 6Yb^Va ]b	Y"VYb^Ua]b4 i bgk "YXi "Ui	D`YUgY`Ya U]`fc a U_Y`Ub Uddc]bha Ybh		
>Ygg]Y <sup>.</sup> 7\i b[	Ygg]Y"WXi b[4 i bgk "YXi "Ui	D`YUgY'Ya U]`'hc a U_Y'Ub Uddc]bha Ybh		
Hf]V)JU'F mUb	d"fmUb4 i bgk "YXi "Ui	D`YUgY'Ya U]`'hc a U_Y'Ub Uddc]bha Ybh		

### GWXcc`7cbHJWhi±bZcfa Uhjcb

GWXcc``cZGcWJU``GWJYbWYg

Fcca '%) -

A cfj Yb 6fck b 7 &\$

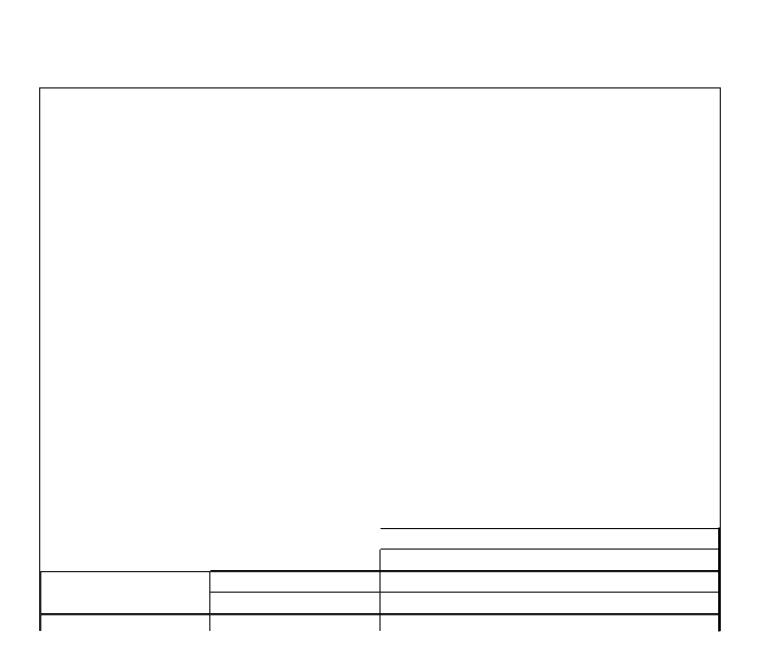
Ya U]`. 'gcgg4 i bgk "YXi "Ui

d\cbY. '\$&'-',) '% \$+

# 5ggYgga Ybh

## 5ggYgga YbhHUg\_g

5ggYgga Ybh'hJg_	K Y][\h	8iY'8UhY	Gh XYbh@YUfb]b[ Ci hWca Yg 5ggYggYX



#### FYgci fWyg

DfYgWf]VYX F Ygci fWYg

Hc 'VY 'UXj ]gYX

#### FYWca a YbXYX FYgci fW/g

#### 6CC?G

#Ym5z"UbX'6fUXZcfX'#Ymž'A "'f&\$\$' Ł'#bh/bh]cbU`'#bh/fj ]Yk ]b[''5bX'7ci bgY``]b['.': UW]]hUh]b[''7`]Ybh
8Yj Y`cda Ybh#b'5'A i `h]W `h fU`'GcW]Yhm) h\ 'YXz"H\ca gcb#6fcc\_g#7c`Y'DUW]Z]W; fcj Yž7U`]Z''fYgd'7\Udh/f
' 'E i Ygh]cbgžCdYb]b[''7ca a i b]WUh]cb'dd"'\*)!, ) ']b'UbX'7\Udh/f'+'#bh/[fUh]b['']gh/b]b[''g\_]``g.'<ck 'hc
WcbXi WhhY'k Y``'Zcfa YX']bh/fj ]Yk 'dd"% \$!&\$, Ł'fk | 7Ł
</p>

#### CH<9F F 958 +B; G

6Yf[ ž\*±gcc'?]a žf% - (ŁI gYZ ``E i Ygh]cbg'UbX'Ch\Yf'±hYfj]Yk]b[ 'HYW\b]ei Yg']b': Ua ]`m6UgYX'GYfj]WYg. 5'Gc'i h]cb!: cW gYX'5ddfcUW\Bcfhcbz'I G5'7\"'\*ždd", (!%\$(

; fUbY``cž'8ž'<žf&\$%\$£'H\Y`DfcW/gg'cZGi]W]XY'F]g\_'5ggYgga Ybh'Hk Y`j Y'7cfY'Df]bW]d`Ygž'>ci fbU``cZ 7ci bgY`]b['UbX'8Yj Y`cda Ybh', , 'fl £'fGi a a Yf'&\$%\$£'' \*'!' +%

 $6] \underline{W}_{fhc} = \frac{6}{\underline{W}_{fhc}} + \frac{6}{\underline{W}_{fh$ 

7 ccdYfž'A "/ '@YggYfž'>" f&\$\$) Ł'7 \" ( "'H\Y'dgm\X\cgc\JU'`ghi Xm—'h\Y'dfcXi \WicZUggYgga Ybhž']b'7`]b]\W\Gc\JU'`K cf\_'DfU\W\X'5b'\=h\[ fU\YX'5ddfcU\X\ž\&bX'9X"'5``mb/'6U\\b'bž'I G5"'Dd"()!\*'

: ]bYžG"/; `UggYfžD"'f%-\*ŁCb'Fi `Ygž; cU`g'UbX'7cbffUWg']b'H\Y': ]fgh<Y`d]b['±bhYfj ]Yk. '9b[U[]b[h\Y'7`]YbhUbX'6i]X]b['Hfi ghžGU[YžI G5'7\"\*Ždd"+-!-&

A W c`Xf]W\_ž'A "ž; YfgcbžF "/ 'G\Y``YbVYf[Yfž'G"ž'f‰ --Ł'8Yj Y`cd]b['U'; Ybc[fUa 'hc'HfUW\_': Ua]`m DUHYfbgž']b'; Ybc[fUa q.'5qqYqqa Ybh/ '∌hYfj Ybh]cb'žBcfhcbž'B"M"7\"'&"'dd"'%!()

#### 7ci fgY 9j U'i Uhjcb UbX 8Yj Y`cda Ybh

Gh XYbhZYXVUW\_k ]``VY`[Uh\YfYX`]b`WUgg`UbX`i g]b['h\Y`A m9I dYf]YbW'gi fj Ymg`Uhh\Y`YbX`cZgYa YghYf"

6 UgYX`cb`ZYYXVUW\_`fYWY]j YX`]b`dfYj ]ci g`mYUfgž'a cfY`HUf[ YhYX`UbX`g\cfhYf`fYUX]b[ g`\Uj Y`VYYb ]bhfcXi WYX/a cfY`]bZcfa Uhjcb`cb`UggYgga Ybh'HUg\_g`dfcj ]XYX/UbX`Wf]hYf]U`Zcf`h\Y`gYWcbX`Ugg][ ba Ybh\Uj Y`VYYb`a UXY`a cfY`gdYW[Z]W

Gi Va ]gg]cb cZ5ggYgga YbhHUg\_g

Gi Va ]gg]cb cZ5ggYgga YbhHUg\_g

#### 5 WUXYa ]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"'=hWJb'hU\_Y`a Ubm Zcfa gžZfca `XY`]VYfUhY`W\YUh]b[ 'hc`UWW]XYbhU`mWcdm]b[ 'Zfca `U`gci fWY'k ]h\ci hUW\_bck `YX[ Ya Ybh'

IBGK [fcidg'd'U[]Uf]ga ]bhc'h\Y'Zc``ck]b[ WUhY[cf]Yg.

7 cdm]b[.'i g]b['h\Y'gUa Y'cf'j Yfmg]a ]`Uf'k cfXg'hc'h\Y'cf][]bU`hYl h'cf']XYU'k ]h\ci h'UW\_bck `YX[]b['h\Y gci fW'cf'i g]b['ei chUh]cb'a Uf\_g"'H\]g'U`gc'Udd`]Yg'hc']a U[Ygž'Ufh'UbX'XYg][b'dfcYWhgž'Ug'k Y``'Ug dfYgYbhUh]cbg'k \YfY'gca YcbY'dfYgYbhg'Ubch\Yf'g']XYUg'cf'k cfXg'k ]h\ci h'WfYX]h'

⇒ Uddfcdf]UhY 'dUfUd\fUg]b[...7\Ub[]b[ 'U'ZYk 'k cfXg'UbX'd\fUgYg'k \]'Y 'a cghmfYhJ]b]b[ 'h\Y'cf][]bU` ghfi Wh fY 'UbX#cf'dfc[fYgg]cb'cZ]XYUg'cZh\Y'cf][]bU'žUbX']bZcfa Uh]cb'k ]h\ci hUW\_bck `YX[Ya Ybh'H\]g'U`gc Udd`]Yg']b'dfYgYbhUh]cbg'k \YfY'gca YcbY'dUfUd\fUgYg'Ubch\Yf'g']XYUg'cf'k cfXg'k ]h\ci hWfYX]hUbX'hc d]YW]b[ 'hc[Yh\Yf'ei chYg'UbX'dUfUd\fUgYg']bhc'U'bYk 'k \c`Yžk]h\ci hUddfcdf]UhY'fYZYfYbW]b[ "

7 c``i g]cb.'k cf\_jb['k]h\ch\Yfg'Vi hdUgg]b['cZZh\Y'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'Ubch\Yf'ghi XYbhVYZcfY'h\Y'Xi Y'XUhYžcf'Zcf'h\Y'di fdcgY'cZh\Ya d`U[]Uf]g]b['UhiUbmh]a Yž'dUm]b['Ubch\Yf'dYfgcb'hc'dYfZcfa 'Ub'UWUXYa ]WhUg\_ž'ghYU']b['cf'UWei]f]b[ Ubch\Yf'dYfgcb'g'UWUXYa ]Wk cf\_'UbX'Wcdm]b[']hz'cZYf]b['hc'Wca d'YhY'Ubch\Yf'dYfgcb'g'k cf\_'cf'gYY\_]b[ dUma YbhZcf'Wca d'Yh]b['UWUXYa ]Wk cf\_"

±bUddfcdf]UhY`W]hUh]cb.`7]h]b[ˈgci fWYg'k\]WX`\Uj Y`bchVYYb`fYUXžk]h\ci hUW\_bck`YX[]b[`h\Y`″gYWcbXUfm″gci fWY`Zfca 'k\]WX`\_bck`YX[Y`cZh\Ya`\Ug'VYYb`cVhU]bYX"

8 i d`]\WUh]cb`ffgY`Zd`U[]\Uf]ga "Ł gi Va]\h]b[`mci f`ck b`k cf\_ž]b`k \c`Y`cf`]b`dUfhžk \YfY`]h\Ug`dfYj]ci g`m VYYb`dfYdUfYX`cf`gi Va]\hYX`Zcf`Ubch\Yf`UggYgga Ybhcf\Wci fgY`UhI BGK `cf`Ubch\Yf`i b]j Yfg]\m'

7 cffYWnfYZYfYbWlb[ 'dfUWnWyg.

- DUfUd\fug]b[ ž'gi a a Uf]g]b[ ž'YggUmk f]h]b[ "UbX"h]a Y a UbU[ Ya Ybh
- 5ddfcdf]UhY'i gY'cZUbX'Uhf]Vi h]cb'Zcf'U'fUb[Y'cZa UhYf]U`g']b\$

**‰** ∪,



### 5WUXYa]W±bZcfaUhjcb

: cf`YggYbhJU``gh XYbh]bZcfa UhJcb`fY`UhJb[ 'hc.

- fYei YghgʻZcfʻYl hYbg]cb/`UhYʻgi Va ]gg]cbgʻ[i ]XY`]bYg/fYj ]Yk 'cZa Uf\_g/
- I BGK '< YU'th 'UbX'GUZYhmdc']W]Yg/