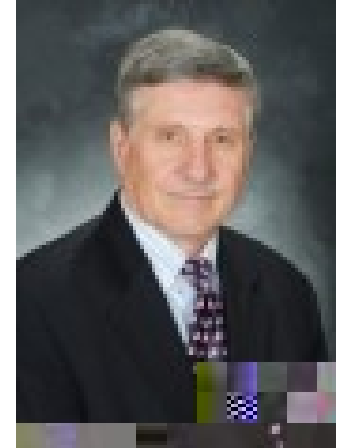


! "# \$

% ##

3 " %" 3 4 '

Dr. Peter W Perschbacher



" "# "  
& ' "# (  
! "# \$  
% ##) \$

\* +, - . / 0 -12.



% " : & !

5

\*

"

"#

"

6

7

!

!

"#

\$

)

%

##\*

"'

&

3

# "'

8

(4

!)

'9"

:

" " : !\*

&

"#

"

3 &

! 3

\$ !

"

!

&

\*

'

!

3

'

"

!)

"

!

3

\$

"

!\*

& "#

"

'

'

"#

"

:"

:

"3

"#

3!\*

"

'

#

;

;

'

"

! < #

'

'

=)

"

!

\*

>>>



5 4 ! # " & " : &" !  
& ! ; &

5 "# : ># " 3 3 & ' #" #  
' 3 "

5 : " : & "& : " 3 " " : !

5

5

6  
3  
"3 2A2

3

</ -2 . =  
" \$

? @

" "

"

5 \* :

5 "3 " 3 "# 4 " :

5 "# 3 ' & %

5 3 #" ' ) & '

5 ' ) & ' 3

5 "

' : 6

5 ' \* : " 3 & "3 "

5 4 " # 3 3 ' : : " " ' ' & "3 " ) # 3 & " \$

5 3 # ># 3 : # ' 9" ' " & ) ; " : < ?=

5 " : "> " :

5 4 9" ' & " " 3 "& : ; " 3

5 # " : " 3 : # ' " 3 : " 3 # 3 B : "& 3 "# " ' & " ) 3 \*



4 " : "3 " C , /1-

&& "8 ' ! 1-D & )#" " ; 3 !A

&& "8 ' ! /1D "

/- D

3 ' " " 3 !& "3 '

E " 4 " </ -22=

E 3 "# 4 " :

E " 4 " </ - 22=

5 & > FG+ \$:) #" "3 3 & ! # 3  
&& ' ) " ' )

5 " > FG+ \$:) #" "3 3 & ! # 3  
&& ' ) " ' )

5 && ' > F/+H > F/+1H \$:) #" "3  
) " ' ) "

5

" "# & ) ' &) %

5 0-D "# 3 ' " : \*

5 & ) ' & 3 B : " & ;

# ' \$ : " ; <J21D ! = 3 : & "3 "

<J. ' ' =\*

5 %! B " ' : D ' " 3 ' " : \*

% 3 8 ! " ' "

3 ' " :

5 " ' ' 3 B & ' " ' " :

# ! 3 < >/-A1>. 3 >/ /AH>.= 3 >

' ; # ' < 4= 3 " < =\*

5 4 " ' 9" " "# & " #" ' &) ;

"! #" & \*

# 4

5 4 " ' ' 3  
>.>HD " ' " " & < # ) & ) & =  
>.->G1D " " & < ' " ) " ) =  
>/1D ' & # 3  
5 33 3 /D  
5 / - - - 4 3 ' 3 # " C /\*2 ' ' -\*11  
' ' ) ..D 3 G1D "# &&! & !  
5 / - 2 - \* 4 3 C /\*+ ' ' 2\*- ' ' ) HDD 3 , 1D  
"# " &&! & !\*



4

"

5 < \*:\* "!) " : = ' 3 "

&" 4) & ' B ##

# ! 3 & " & ' \*

5 & " 3 3 B " ' : .A" ' : H "

3 3\*

5 % "# "3 ) ' # 3) 3 ' #" "3

"# & ' 3 " ; B 3 :

&& ! 3 : " \*

% ' ! 3 "#

' \* </ - - . =

5

& ' "# /1D 4 3 .2>GHD ;  
"! ) ; ) " & "3 3  
3 " "# >.A >H " ! HOD <2\*+ . " -\*, 1=





4

"

:

"

3

A

&

'	22 D "# 3	22 D "# 4 <22 D "# 3 =	"; ( 6 " <200H=
'	//) G-) H-) + -) 2 - - D "# 4	G - D "# 4 </2D "# 3 =	> " " * </ - - 2=
'	2-) /1) 1-) , 1D "# 4	1 - D "# 4 <21 B 2, D "# 3 =	% 3 ; ! * </ - - +=
'	1 - D "# 3	1 - D "# 4 <1 - D "# 3 =	* </ - 2 -

4 " : " 3 A ' &

:	\$ " ; D "# 3	HGD "# 3) HGD "# 4	I * </ - 22
" ' ) ,	0D "# 3	0D "# 4)	@ * </ - - 0=
,	-)HD "# 3	2 - - D "#	\$ * </ - - H=

4

"

:

"

3

A

/1) 1-) ,1) 1-D "# > ! 3

' '

2--D "# 4 <./D <200G=

4 "# 3 =

% )

-) /-) /-) 2--D "# 6 " \$

! " ; ' "

.-D "# 4 \*

3 <2- /-D </-22=

"# 3 >

K=

:

/D "# 3 2--D "#

#

"

“ ”

5 & " , - D 3 ! " " 3 3 " "  
# ' " 3 &" # " " ' " \*

5 # 3 33 # " ' & " 3  
" " : : " ; ! # " :  
& < 3 \$ / - - 0 = \*

5 4 " " " ' : ! # 3  
# : ' 8 3 ' " : # " ' ; < \* : \* : 3 ) # 3  
3 & & " 3 " : 3 /  
" " " 3 ' " : : # " '  
3 # " ' # # 3\* )

2001) / - - 2 = \*

" &

5 ; 3" 2- ! " J2-- ' ' 3  
" ' ) 3 ' 9" #" "3 " \*

5 : : &"& " ; #" "3 & "3 ;  
: " ' : .A" ' : H " ) 3 3 #"  
: # \*

5 ' 3# " 3 ' 3 3 & ; "  
3 & ! 3 \*

5 " ; 3 3) &\* "3 "&  
!& "3 < / -2- =\*

5 33 " ' " : & 3 " : 3  
' " : ; | 3\*

4 " : " C F2\*G "

E " 4 " </ -22=

5 0-D "# )#" "; 3 !A

5 ' 0

5 3 && ' 0

5 ""3 && ' 0

4 " : " B % "# C F, /\*H

% "

E " 4 " </ - 22=

5 && "8 ' ! 0 - D '

5 && "8 ' ! 2 - D # 3 && '

5 ' 3 #" "3 && '

L \* \* . " ' ;

" "# " ;  
; " 3M

!\$ \$ 3

</ -- H=



L ! : ' \$ # " # 3 " 3  
3 "& 3 #" ' " : " ' " : " :  
" ' : > . # ! 3 " & # ' 3 " ) #"  
& "3 " ) " ' 3 3 " ; F2 3  
F/ \$: 3 3 : " ' \*M < 3 : 33 3=

% ' </ -22=



#

) "

3

5 @ ) N\*(K) \* \* " 3 6\* \* "' !\* /--0\* ## "# && ' : ;" & "# ' : " # " " #" ' 33 " : "; 3 "'&" " "# '<  
 < =\* /O/A/.,>/G.\*

5 ) 4\* \*) \* \* " " ) \* \* \$ ) %\*%\* 4 : 3 \* O ""\* /--0\* ## "# 3 3 : &\*) " "# 3" " 8 " 3) " : "; )# ! 3 "'&" " ) 3 " ! !"# # \* /O/A/./>/H\*

5 4 " ) E\* /-22\* : > " 3 " :) & !"# ; "' \* # <@ \* /-22= /+>...\* /-2-\* 3 \*

5 > " " ) 4\* \*) \*@\* "' : |> 3 \* > "" 200+\* ## "# "# ' " : ! # ' & ' 3 #" & ) /O A, -O>, 21 < =) # !\*

5 \$) \*) \*4\* ' " ) \* \* ) \* \* % 3 \* \* % " ; 3!\* /--H "# > : ' 3 #" " 2/A.001>G-2\*

5 ) \*6\* 2001\* : ' : ' # & "3 " \* 6 " 3 /H<.=AH1>H+\*

#

) "

3

5 ) \*6\*) 4\* \* " " 3@\*O""\* /-2-\* 4 & : "; 3 &3  
 " ' &" " # 3 " ' ' & " ' " "# " ' ' & " !\*  
 / .A02>00\*

5 ) \*6\* /-22\* 8& ' & " 3 "> "# # "  
 3 & \* /GA++>01\*

5 ! \$ ) \* \* \* 3@\* \* /--H\* : > " " "# 3  
 & ! &3 \* " : " " : 3 && " \* && /12>/ ,H\* A  
 3 & ! &3 3 -> "3 \* \* 3 < 3\*=) ) ! " 3 \*

5 l) \* \*)@\*4\* "8) \* ) 3 \* \* ; \* /-22\* 4 "> :