



B o w d o i n S c i e n t i f i c S t a t i o n
Report of Activities
\$! % "

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"#\$%&!&'%(!'%) (*&\$)+, !- \$&(!

&' ()**+,- (./+/"-' ; -.' 0+1/2")0-(+!)/3(4"+3")1/"5' -06+"-(7-, "0' 230)"8/98+"3:.; /)1"<0' ')/(<+":03=" =7,)/2,' ". /0' 9)30+>""("8' ' 2/(<"; /)1")1' "+2/0/"3:")1' "2,-9' 4/("+)' -. "3:?!/(93=/(<6"- (. "?37)<3/(<6" . /0' 9)30+""137<1)"; ' "+137,., -@' ;370"23+!)/3(+@5")1' "/. ' +>""A3"B0' "- (. ""; 0/)' "3"537?3(")1' " :.33. 6"C"30"?3(")1' "=-8' 6"-+"D7++' ,,"30"E -083"=/(<1)"+-5>""

F30")13+' "3:"537"; 13". 3(6)"8(3; "7+4"1' 0' 6+"-"G7/98"@/)"3:"@-98<037(. >""B0' "/+"-(70+' 4"@7)"; /)1"- H1B"/(" 93,3<5"- (. "" 13,7)/3(",708/(<"/("1' 0"2-+)"-(. "- ("3(<3/(<"/() ' 0' +)"/(" . /+' -+' "" 93,3<5>""B3("/+ "-" @/3,3<5"203:' ++30". 3; (")1' "03-. "-)"J-)'+ "K3,, ' <' 4"9700' (),5"" (135/(<"-0' +' -091"+-@@-)/9-,")3" 27(9)7-)' "1/+"+)/()" -+"91-/0"3:")1' "@/3,3<5". ' 2-0)=' (>""M (":-9)4"; ' "+2' (")1' ":/0+)1-,: "3:")1/+" +-@@-)/9-, "-)"&' (53("K3,, ' <' 4"3("-0' +' -091"93,, -@30-)/3("; /)1":30=' 0"&". /0' 9)30"J3@E -798\""O' " :/0+)9-=' ")3"&' ()**+,- (./("#\$\$P4"-+"-:-=/,5"3:"); 34+"7. 5/(<")1' "0' 203. 79)/I' "" 93,3<5"3:"+)30=0

#9@463!N5DF96<J!K63H>3!*><<6=6!L10!

F,79)7-)/(<"Z+5== ')05"-(. ")1' "U::' 9)"3:"^' -,)1"3("D' 203. 79)/I ' "A799' ++/"[' -916+"A)30="H')0' ,"

MO1\$. #)/")2. ',\$+1)"3). 4"

"

" R1' "]" -916+"A)30=0H')0' ,4"-",3(<0

"

#\$!%"@0' ' . /(<"+' -+3(>"E 3I /(<":30; -0.4")1' "_HA"-(. "+722,' =' ()-05"+)-@,' "/+3)32' ". -)-"; /,,@"7+' . ")3"
,338":30"23)' ()/-, / (8+"@'); ' ' (")1' ":30-</(<"@' 1-1/30"3:"9' 0)-/("-. 7,)+")3")1' /0"<' (' 0-, "0' 203. 79)/I' "
+799' ++":30")1' "+" -+3("/(-. . /)/3(")3"/()0-015

-. ("+9/' (9' "-)")1' "+-=')/= ' 4"- (. ")3"@' "-2-0)3:")1' "_0- (. "E -(- ("-. "&' ()**+, - (. "93==7 (/)/ +>"R1' " 2' 32,' "3:"_0- (. "E -(- ("; ' 0' / (90' . /@,5"32' ("-. ("; ' ,93=/(<")3"7+4"91-0-9) 0N/(<")1/+"+7== ' 0"-+3(' "3:" 9,3+ "93(' 9)/3(+/'(+3,-)' . '5')"(' I' 0"/+3,-)/(<"2,-9' +>"

+9: !+6A9J!. >GA>53!L12!

Z0)/+)/("D' +/ . ' (9' "C"K7,/(-05^+/+)30/-("r"K338"

" R1/+"+7== ' 04""<3")1' "91-(9' ")3"0')70(")3"&' ()**+, - (. "- (. "; 308"-+)"1' "A-)/3("K338"3(9' " =30' >"** 93(+/ . ' 0"=5+' ,;"7985")3"1-1' "@' ' ("@,' ")3"0')70(")3"+791"-"; 3(. ' 0:7," (1/03(= ' ()4"+3""; - ())' . "=5" 203l' 9)"3"@' "+3=')1/(<"**937, . "</I' " @-98")3")1' **+, - (. "723(/)+93=2,')/3(>E - (5"9338+"1-1' "93(+7),' . ")1' "@3S"3:"+90-2+"- (. "/(. ' S"9-0. +)"1-)"@' -0"0' 9/2' +)"1-1' "@' ' ("+799' ++:7,3l' 0")1' "5' -0+":30"/. ' -+ " - (. "+7<<' +)/3(+4"@7)"+/ (9' ")1' **+, - (. 6+ "+7== ' 0"2327,-)/3(") (. +)"3"<03; "; /)1"" -91"2-++/(<"5' -04"=- (5" 0' 9/2' +"-0' "+9-, ' . ")3:' ' . "<0372+"3:"e")3"d>"**/(930230-)' . "=7,)/2,' 0" 9/2' +":03=")1' "A-)/3(6+ "/+)"3054"-+ " ; ' ,,"-+":03="=5"3; ("0' 2' 0)3/0' "3:"**+, - (. "= ' -,+4"/()3"- ("72. -)' . "&' ()**+, - (. "K338@3384"93(++)/(<"3:" -@37)"b\$"0' 9/2' +0- (</(<:03="@0' -. ' 0' 9/2' +)"3" . ' ++' 0)+>"- ,+3"93()-/(' . "b"+130)"' ++-5+4"=5"-))' =2)"-)" 203l/ . /(<"+3=' "+30)"3:"/ (+<1)"/()3")1' "9338"l3@4":30":7)70" K338+"- (. "/+,- (. ' 0+ "-, /8' >)" /+ "1-0. ")3" . ' +90/@' ")1/+ "l3@")3"- (53(' 4' +2' 9/-, 5. 70/(<")1' "5' -0"; 1' ("53760' "@-98"/()1' "J3; . 3/("=/(. +)"4"- (. ""** ; /,,"@' "37)" /()1' "; 308/(<"; 30, . (" S)"5' -0"=-8/(<=" ' " I' (:70)1' 0"0' =3l' . ":03=")1' "2039' ++"3:"9338" + ' ; 9)/3(>"**; - ())="5"; 308")3"@' "7+' :7,/(")1' "8/)91' (" -+; ' ,,"-+ /()1' "1' -. 4"-+""- . . 0' ++"93==3(/()0(-, - (. "" S)' 0(-,+)"0' ++30+"3:")1' "l3@>"

" R1' "9338"l3@/)+ ' ;"; -+ "-+ =791"3:"-91-,, ' (<' "-+ /)" ; -+,-+)"5' -04"-,@' /)" ; /)1"93=2,')' ,5". /::' 0' (") +)0' ++30+>O1/, """:37(. "=5+ ' ;' 0' -. /,5"-@,' ")3"27)"37)"- . ' G7-)' ,5"+N' . " = ' -,+3(")/=' "- (. "2,- ("37)" = ' (7+":30" I' 05"; ' ' 84)"1' "l3@+)-0)' . ")3":' ' ,037)/(' "=791"" -0,/' 0)"1-(" /)" . / . , -+)"5' -0>E5"203l' 9)"8' 2)" = ' "/(+/ . ' ")1' " =-l30/5"3:" . -5+4"- (. "@5")1' ") /=' . /((' 0"; -+ '+' 0l' . ""6. "/(. " =5+ ' ;" S1-7+)' . 4)"05/(<")3" /<(30' ")1' (" S)". -56+"; 308",33=/(<"/()1' "+7(+)"017' . "@-98<037(. >F30)7(-)' ,54"(' ; . ' I' ,32=' (")+ G7/98,5"=- . ' ")1' "l3@="791"=30' "91-,, ' (</(<4"; 1/91"; -+ "-; ' ,93=" "170. ,")3"20-9)/9' "l7=2/(<"3l' 0">" (" -. . /)/3(")3")1' "I' <')-0/- (+/'("370"<03724"; ' "<-/(' . "-<,7)' (0:0' "0' +/ . ' ()"" -0,5"3("/()1' "+' -+3(4" :3,,3; ' . "@5"- (3)1' 0' <,7)' (0:0' ' "- (. . -/05":0' ' "0' + ' -091' 0"; 13"+)-5' . ":30"-@37)"-; ' ' 84":309/(<=" ")3" -. -2)"=5"=' -,+ "- (. "203l/ . "32)/3(+)"1-)"91' 98' . "-,,")10' ' . /')-05"@3S' +>R1' 0' "; -+ "-17<' /(:;7S"3:" 2' 32,' ")3:"' . "3l' 0"-; ' ' 8' ' . l' ' . 0,,00. 2450/0--0. 3(")-0. 1(; '); (2)-02450. 3999-0. 4(/) (7)-0. 4(0)0-((2)0. 3999-

/012!B@S4D975>3E!!

Ms"t"-), ' -+)3('7(.'0<0-.7-)' "-7)1304"u"t"-), ' -+)3(' "<0-.7-)' "+)7. ' ()-7)130N"

"

u" B' -0@30(4"BK4"ZJ" _-<' 04"E U" _/,=3704"Z_"E 9Z0)1' 04"BZ"^((' 0:' ,. 4"- (. "DZ"E -798>"#\$!%>"Y3(Q(' 7)0-," ' 13,7)/3("- (. "0' 9/2039-,"=3(3215,5"3:"); 3" S20' ++' . "E19"9,-++""J"<' (' +/(']' -916+"+)30=Q2')0' ,> 722+#)6\$#\$&,1% [Pk!!!!0! #b>"

s""F0/98' 4"U4"&>J,/W-0. 4"B>_ -((3(4"- (. "D>"E -798>"E 3. ' ;3:"@7003; "+' ;' 9)/3("20' . /9)+"2-))' 0("3:" @7003; "+; /)91/(<"@5"]' -916+"A)30=Q2')0' ,"MO1\$. #)/" 2. '-\$+1)"3). N8"() +"# . -)'9': ,\$/ 'O"#,&3)-)6*-" MJAA"27@,/9-)/3 ("3>"#%bN"

u" _/,=370"E U4"KD"]-))/ (4]E"D3=' 034"EF"^ -7++=- ((4"DZ"E -7984"- (. "BK"B' -0@30(>"#\$!%>"F/(. /(<)"1' " @' +)"20' . /9)30"3:"0' 203. 79)/I' "2' 0:30=- (9' "3:"]' -916+"A)30=Q2')0' ,+>""; +<="O"#,&3)-)6,1. -'; />. #1\$%> ! b#k! j ! 0#\$%>"MJAA"27@,/9-)/3 ("3>"#%\$N"

u" E/)91' ,4_ O4"O33. ; 30)14"J&4"R-5,304"HB"\ "Y3

!!"

"

U,/+-@')1"A)0-5' 04"E -<(-"K7="]-7. ' "

K10/+)/(' "O-,. ' 04"E -<(-"K7="]-7. ' "

U,/N-@')1"J03; (4"K7="]-7. ' "

K,-7. /-"p/,-00]' ' =-(4"K7="]-7. ' "

"

F/I ' "&' ()**+,- (. ' 0+"; 3 (" -; -0. +"-)J3; . 3/("K3,, ' <' 6+"^3(30+"B-5"K' , ' @0-)/3("#\$!%"

U=,/5"^391=-("?!%k"H0/V' ":30"US9' ,, ' (9' "/("D3=- (9' "]-(<7-<' +"

"

