

™v{tek}\*Ctcejpkfc<"Rugwfqueqtrkqpgu+"EJMQ"V gdq umq"cqmqn{

**Rugwfqueqtrkqpu\*"Ctcejpkfc<"Rugwfqueqtrkqpgu+"qh"vjg"V gdq umq"Rtqvgevgf"  
Landscape Area and the adjacent area**

František ™ f JNCXUM

Mcvgtc" |qqnqikg"R {tqfqx fgem?"hcmwnv{"Wpkxgt |kv{"Mctnqx{."Xkpk p"9."  
CZ-128 44 Praha 2; e-mail: uvcjnh Bpcwv{0lewpk|e |

**Hcwpkvkcu."Rugwfqueqtrkqpu."V gdq umq"RNC."Uqwjgtp"Dqjgo kc."E|gej"Trgrwdnke**

Cduvtcew{Hcwpkvkce"fcvc"htq"rugwfqueqtrkqpu"htqo"vjg"rtqvgevgf"hcpfuecrg"ctgc\*"RNC+"qh"vjg"V gdq "tgikqp"cpf"vjg"  
uwtqwpfkpi"ctgc"ku"rtgugpygf{0"CVqvcn"qh"942"urgekogpu"qh"rugwfqueqtrkqpu"ygtg"eqmgevgf"kp"vjku"ctgc"dgvyggp"3; ;5"  
cpf"4233{0"Vjku"ocvgtkcn"lpenwfgu"37"urgekogu"kp"vjg"V gdq umq"RNC"cpf"38"urgekogu"htqo"vjg"cfcepgp"ctgcu"\*42"urg-  
ekgu"htqo"8"hcoknku"kp"vqvcn+0"Pg y"nqecnkku"htq"vjg"tctg"urgekogu"Chernes nigrimanus" Gmnpkiugp."3; ;9."Larca lata  
\* Jcpugp."3; ;6+"cpf"Mesochelifer resilli Oc jpgtv."3; ;3"ygtg"hwqpf"fwtkpi"vjku"uwvf{0"Cf fvkqpcm{."c"pgy"nqecnk{ "  
htq"Anthrenochernes stellae"Nqj ocpfgt."3; ;5; .c"urgekogu"rtqvgevgf"ykvjlp"vjg"GW/ykfg"pgvyqtm"qh"pcwvgt"rtqvgevgp"  
ctgcu" Pcwvte"4222."ycu"flueqxtgtf{0"Vjg"pwodgt"qh"rugwfqueqtrkqpu"urgekogu"kp"vjg"V gdq umq"RNC"cpf"vjg"cfcepgp"  
ctgc"ku"eqo"rctcdng"vq"qvjgt"tgikqpu"uwvfkgf"kp"vjg"E|gej"Trgrwdnke{

—XQF

™v{tek}\*Rugwfqueqtrkqpgu+"ug" cf{"u"x"leg"pgn"55:7"rqrucp ok"ftwj{"og|k"uv gfp "rq gyp2"  
af{"v {f{"rcxqwmqxe "\*"Ctcejpkfc+"\*Jctxg{"422;+0"X"uqw cupquv"lg"vcvq"umwrkpc"pgln2rg"  
rtquwvqxp"pc"pc"À|g o{Gxtqr{."mfg"d{ng|cv{o" |lk-v pq982"ftwj "\*"Jctxg{"4229+0"Pg x-gejp{"  
qdcuvk"luqw"cnng"rtq|mqwo"ap{"tqxppqo tp 0"X" gum2"tgrwdnkeg"lg"|p"o"x um{v"5:"ftwj" |g"  
ugfok" gngf{Ejtkuvqrjqt{qx"gv"cn0"4233d."eqfl"lg"|cv{o" o2p "x"rtqtxp"p"ug"uqwugfp{o"  
P ogemgo"\*6;"ftwj "+"Tcmqwungo"\*8;"ftwj "+"Jctxg{"422;+"c"Unqxgumpgo"\*73"ftwj "+"  
\*Ejtkuvqrjqt{qx"gv"cn0"4233d+0"Vgppv"x tc|p "tq|f{n"lg"fa"p"|gl o2pc"igqi"tclcmqwrqngqjw"  
gum2"tgrwdnke{."mf{"pc"vqvq"À|g o{rcvtp "pg|cucjwlg" cfc"cnrum ej"pgdq"mctrcvum ej"ftw-  
j 0"Fcñ-f{o"x |pcop o"hcmvqtgo"lg"pke o2p "k"hcmv."flg"ug"v2vq"umwrkp" |c cnc"x pqxcv"x v-f"  
rq|qtpquv"vgrtxgd"jg o"rqungfp"ej"fxcegvk"ngv{\*pcr 0"Fweja" "3; ;.:"3; ;.:"3; ;5d."3; ;6."3; ;7."  
3; ;.:"Fweja" ("Onglpgm"4226."T flk mc"gv"cn0"3; ;7."Uej octfc"3; ;7."™wo rkej"gv"cn0"3; ;.:"  
™ajncxum ("Fweja" "4223+0"Rq gyp l-f"hcwpkvkem2"Àfclg"l{umcp2" |t |p ej"rtquwgf{."mfg"  
-v{tek"flklf."c" |À|g o{v-f"tq|nqj {"o" a og"m"fkurq|kek"|cv{o"lgp" |À|g o{Rtcj {"™ajncxum "  
4223+."P"atqfp|jq"rctmw"Rqf{|I}™ajncxum "4228c+."EJMQ"mqmq {pumq}™ajncxum "4228d+."  
Fqnp|jq"Rqnxvcx" c"Rqf krumc"™ajncxum ("Mt"up "4229+."c"EJMQ"Nkvxgnum2"Rq o qtcx"  
™ajncxum ("Vwh"422;+0")"Ejta"p p2"mtclkp2"qdcuvk{\*EJMQ+"V gdq umq"d{n"}|cv{o"rwdnk-  
mqxcp2"rqw|g"Àfclg"q"-v{tefej" |g"vvtq o qx ej"fwkpw"mqng o" Pqx2" gm{"w"qdeg"Uv {d ge."mfg"ug"  
okoq"lp2"ftwj {"rqfc kn" |lkuvk"rqrtx2"x" gum2"tgrwdnkeg"x um{v"ftwjw" "Larca lata" \* Jcpugp."  
3; ;6+"Fweja" "3; ;5c."d+0" \ "qdcuvk"V gdq umc"d{n"fa"ng" |lk-v p"rqf"m tqw"dtqtxkeg"dnvcn{"pc"  
gtxgp2 o"dnvcw"ftwj"Chernes nigrimanus" Gmnpkiugp."3; ;9"\*Uej octfc"3; ;7+."eqfl"lg"|cv{o"  
lgfka" |p" a o"nqcnkvc"vqjvqv"ftwjw"x" gum2"tgrwdnkeg{0"X"rqungfp"fqd "vcn2"pc"vq o vq"À|g o{

d{n}pqx "rtq" gumqw"tgrwdnkmw"|lk-v p"x um{v"ftwjw"Microbisium brevifemorum"\*Gnnkpiugp." 3;25+\*Ejtkuvqrjqt{qx"gv"cnl04233d+0} Fquwf"vcm" o "a o g"|"À|g o f" E J M Q" V g d q u m q" À f c l g" q'x um{vw"ugf o k'ftwj "-vftm 0"X"-kt-f"o "qmqn"xnacvpp"ejt"p p"2"qdcncvuk'n|g"pcn2|v"x'eg'pgfi"uvq' ngv"uvct"2"xgn ok' qlg fkp n"2"lphqt o ceg" |g"Uqd uncxk" c"Rf"umw"\*Uvgemgt"3:96+0"X" rqungf p" f q d " o f l g o g"|"vqjvq"À|g o f" |lkukv"x" o cvgtk"nw"cpnc |qxc p e j"mct{qv{r "-vftm " gngfk"Ejvjvq- pkkfcg"Àfclg"q'ftw|f"ej"Chthonius orthodactylus \*Ngcej.3:39+c"Ch. tetrachelatus"\*Rtg|uungt." 39;2+\*tm "ajncxum" ("Mt"an4226+0"X|jngfg o "m'wxgfgp"2 o w"xgn ok' o cn2 o w" o pqfluvx"lphq o ce" q"-vftm"ej"x"v2vq"qdcncvuk"ug"r gfmn"afcp"rt"eg"upcf"q"fqrn p p"pc-kej" |pcnquv"q"hcwp "-vftm " E J M Q" V g d q u m q."x gvp " f q r n p p" nqmcnk" |"lgl"j q "-kt-f"j q" qmqn" r t q" f q m t g u n g p" f k x g t | k v { "-vftm "xg"uvwfqxc p"2 o t'g i k p p w 0

UVWFQXCP | "-\GO" C" OGVQFKMC

\mqw o cp"qdcncv" |c j t p w l g" E j t p p q w" m t c l k p p q w" q d n c v u k" \* E J M Q + " V g d q u m q" m y g t " a u g" t q | m m " f a " r k d n k f p " p c " r n q - g " 700 km"2"x"qdcncv"V g d q u m q" r " a p x g " c l g j q f l " r k t q | g p q w" q u q w" l g " v q m " g m { " N w f l p k e g" P c f o q u m " a " x - m c " v 2 v q " e j t " p p " 2 " q d n c v u k " n q r f u " a " o g | k " 6 4 3 6 7 7 2 " o " p l " o " Q m t c l g " | m q w o c p " 2 " r n q e j { " n g f l " x " t q | o g | f " o g | k " 6 : 4 3 3 6 6 : 4 6 : P " c " 3 6 4 5 : 6 3 7 4 2 2 G 0 " M " f q m t g u n g p " e g m q x " 2 " f k x g t | k v { " - v f t m " x g " u w f q x c p " 2 " q d n c v u k " l u q w " | f g " r t g | g p i v x " a p { " v c m " 2 " h c w p l u v k e m " 2 " a f c l g " | " q m q n " E J M Q " V g d q u m q " x " t q | o g | f " r k d n k f p " o g | k " g u m o k " D w f l q x k e g o k . R f u m g o " c " U g | k o q x o " - u v f o 0

Ocvgtk"n"-vftm " |g"uvwfqxc p"2 j q"À|g o f" d { n " u d f t " a p " x " h v g e j " 3 ; ; 5 6 4 2 3 3 0 " D j g o " v 2 v q " f q d { " u g " k " x " t " a o e k " p g k p v p | f x p f e j " u d t " d j g o " x l g | f p f e j " u g o k p " c " g z m w t | f " m c v g f t { " | q q n q i k g " R " H " W M " r q f c k n q " | f u m c w " f q u v c v g p " 2 " o p q f l u v x " o c v g t k " n w " m " | " m m c f p " e j c t c m v g t k u v e g " f t w j q x " 2 " d q j c v q u k " - v f t m " x g " u w f q x c p " 2 " q d n c v u k " 0 " T M " f t e k " d { n k " u d f t " a p k " r q o q e f " | g o p f e j " r c u v " . " g z v t c m e f " r t q u g x " r " f p " j t c d c p m { " c " u w d u v t " a v " f w i p c " e p f k x f w " a n p " r q f " m t q w " u v t o " c " x " A n g e j " 0 " Q d n c v . " l g " m y g t " 2 " r q e j " | g l " u d t . " l g | p " | q t p p c " p c " q d t " 3 C " c " f u n q x c p " 2 " n q m c n k v { " x " E J M Q " l u q w " | p " | q t p p { " p c " q d t " 3 D " 0 " T M " f t e k " d { n k " w " q x " a p k " r q o q e f " n w r { " Q n { o r w u " U \ Z ; " k " x " r " f r c f " r q v g d { . " r q " r " f r t c x " f q c u p e j " r t g r c t " a v " x " m { u n g k p " o n 2 " p 2 . " r q o q e f " o k m t q u m q r w " E Z 5 3 0 " M l g l k e j " f v g t o k p c e k " d { n " r q w f l k v " f v g t o k p c p f " m f " g " p c " g x t q r u m q w " \* D e k t 3 ; 8 5 + c " u v g f q x g t q r u m q w " \* E j t k u v q r j q t { q x " a " g v " c n l " 0 4 2 3 3 d . " O c j p g t w " 4 2 2 6 + " h c w p w " - v f t m " c " l u q w " L z q x " a p k " x " : 2 " " g v j c p q n w " c " f g r a p q x " a p k " x g " u d f t e g " c w q t c l

Egmg o " d { n q " | f u m " p q " 9 4 2 " g z g o r n " - v f t m " \* 5 5 2 " | " E J M Q " V g d q u m q " c " 5 ; 2 " | " q m q n " E J M Q + . " r k g o f l " v g p v q " o c v g t k " n " e g m g o " q d u c j w l g " 4 2 " f t w j " | g " - g u k " g n g f " \* " | E J M Q " 3 7 " f t w j . " | " q m q n " 3 8 " f t w j + 0 " X " p " u n g f w l f e f " o " r g n g f w l g " p q o g p m m c v w t c . " c | g p f " g n g f " c " f t w j " r q w f l k v c " r q f n g " c m w " n p f j q " m e v c a q i w " - v f t m " \* J c t x g { " 4 2 2 ; + 0 " N q m c n k v { " l u q w " t q | f " n g p { " p c " o " f u v c " u d t w " n g f l e f " x " E J M Q " c " p c " o " f u v c " x " q m q n " E J M Q " 0 " F " a " n g " l u q w " w x g f g p c " f u n c " v x g t e " u f " q x " 2 " j q " o c r q x " a p f " \* R t w p g t " ( " O " f m c " 3 ; ; 8 + " c " n q m c n k v { " x " E J M Q " l u q w " x " t " a o e k " v " e j v q " v x g t e " c | g p { " x | g u w w r p " r q f n g " f u g n " q f r q x " f c l f e f e j " q d t " 3 D " 0 " X " p " m y g t " e j " r " f r c f g e j " l g " w " n q m c n k v { " w x g f g p " x " | " a " x q t e g " d n k f l - f " n q m c n k | c p f " d q " f " n g " w t k u v k e m " 2 " o c r { " \* C p q p { o u w " 4 2 2 ; + " r t q " n g " r - f " q t g p c e k " o " f u v c " u d t w l " W " m e l f " 2 " n q m c n k v { " l g " w x g f g p q " r t q u v g f . " m f g " d { n k " - v f t e k " p c n g | g p k . " f c w o " u d t w " c " r q " g v " g z g o r n " 0 " R q m w f " p g p f " w x g f g p q " l k p c m . " n c v f " H " T M " a j n c x u m " n i v 0 . " f g v 0 " g v " e q m 0

Rqwfllv"2" | m t c v m { < " F " o " f g w q p { o h c . " R " o " r t q p p { o h c . " V " o " v t k v p p { o h c }

R G J N G F " \ L K T M V P E J " F T W J

gng "Ejgktkfkkfcg

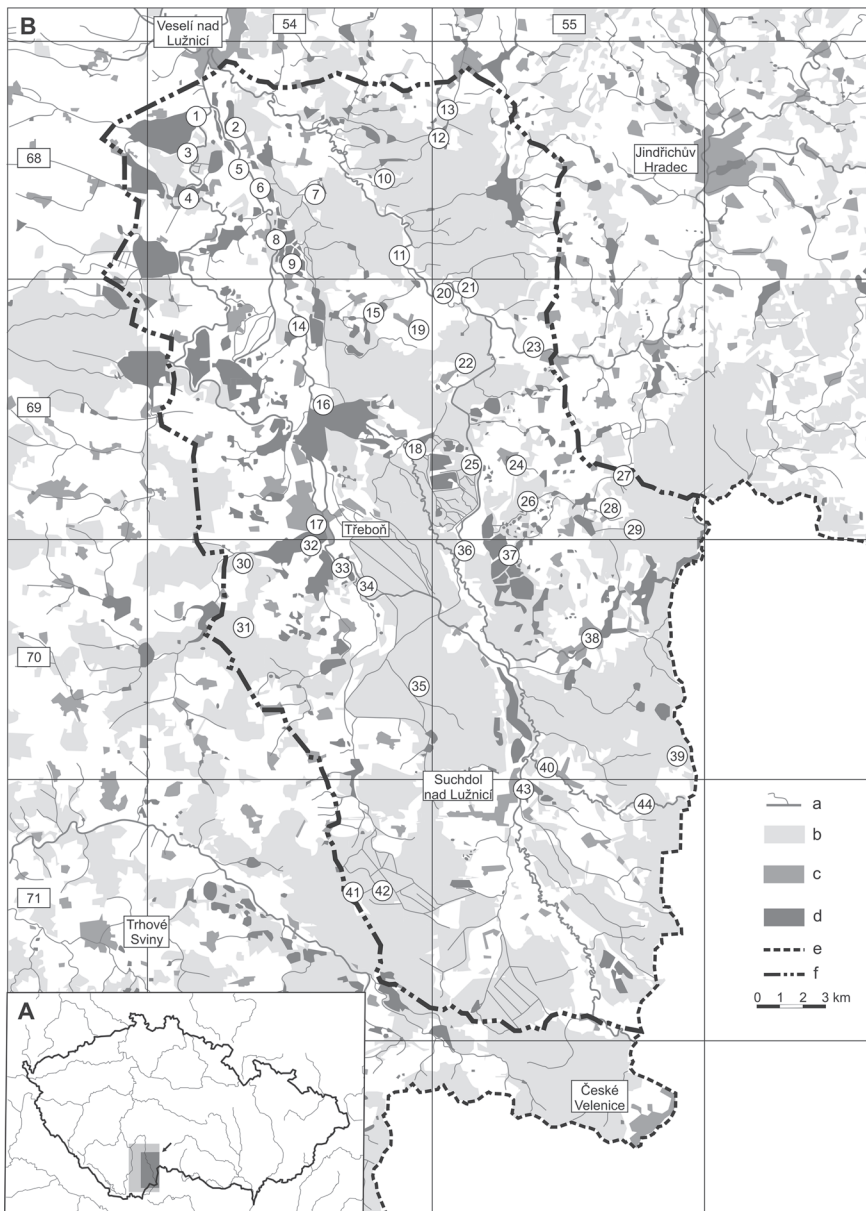
*Cheiridium museorum* \*Ngcej.3:39+

E J M Q " V g d q u m q " 8 : 7 6 " 6 " 9 " X { - p 2 " \* w " X c n + . " x " u g p f m w . " 3 : 0 X 0 4 2 2 5 . " 3 " . 5 " ; 8 : 7 6 " 6 " 3 6 " N w f l - p k e g " \* W " | c j t c f p f m + . " r q f " f g x g o " p c " r f . " 4 2 0 X K 0 3 ; ; . " 4 " , 4 ; 9 3 7 7 " 6 " 6 5 " U w e j f q n " p c f " N w f l p k e f . " r q f " m t q w " P o p u l u s " u r 0 . " 3 ; 0 X 0 4 2 2 3 . " 5 " 0

gng "Ejgnkhtkfcg

*Chelifer cancroides* \*Nkppcgwu.397:+

E J M Q " V g d q u m q " 8 : 7 6 " 6 " 6 " R q p f t " a f m c . " x " A n w . " 5 2 0 K X 0 4 2 2 7 . " 4 " ; 8 : 7 7 " 6 " 4 4 " O n " a m c . " x " A n w . " 3 6 0 K X 0 4 2 2 9 . " 5 " , 1 . " 3 " V " 8 : 7 7 " 6 " 4 9 " N k d q g | { " \* N q u f " d n c v q + . " x " A n w . " 3 4 0 K 0 4 2 2 . " 3 " . " 3 " V . " 3 " F 0



Qdt030C0Oerc'uwf qxcp2'qdcnuk\*v o cx -gf'a'o'EJMQV gdq umq.'fgvcl'n'xk|'3D-'ux wg'-gf'a'o'qmqrfl'0D<Oerc'hqmcnkV  
 E JMQV gdq umq'0'X{ux n'kxm{|<c'o'xqf'p'vqm-'d'o'ngup' rqtquv='e'o'dnqm{|'dwf'qx-'f'o'xqf'p' r'ncq'j'c-'g'o'j'tcpleg'e'j't'p' p2"  
 qdcnuk-'h'o'j'tcpleg' gum2'tgrwdnk{0' f'unc'rqrkuwl'f'hqmcnkV{'x'E JMQV gdq umq'wxgfgp2'x'R g'jngfw'|lk-v p ej'ftwj 0  
 Hki030C0Ocr'qh'vjg'uwfkgf'ctgc\*fctm'itg{'o'vjg'V gdq umq'RNC.'hqt'fgvcl'n'ugg'3D-'nki'j'v'itg{'o'vjg'cflcegpv'ctgc#0D<  
 Ocr'qh'vjg'V gdq umq'RNC'hqecnkvgu0'Ng'ipf'c'o'uw'gtc o-'d'o'hqtguv='e'o'dwkn'f'p'iu-'f'o'y'cvgt'h'xgn='g'o'dqt'fgt'qh'vjg'RNC='  
 h'o'dqt'fgt'qh'vjg'E |gej'T'grwdnke|P'w o dgtu'tgrtgusp'v'hqecnkvgu'ixgp'kp'vjg'ur'gekgu'nkuv'oR g'jngf'|lk-v p ej'ftwj 00

Qmqn<sup>¶</sup>"E JMQ<"8973"6"Cndtgejvkeg"pcf"Xnvcxqw."x"Ànw."350KX04229."4" ; 8;74"6" J nwdqm<sup>a</sup> pcf"Xnvcxqw"\*Dcdc+."j tedcpmc" *Tilia* ur0."30KX04225."6" , 1 0

*Mesochelifer ressl*i Oc j p g t v."3; : 3

E JMQ<sup>V</sup> g d q u m q < " 8 : 7 6 " 6 " 4 " X n m q x . " r q f " m t q w " *Pinus* ur0."360KX04229."3"V="32" Mctf c - q x c " g k e g " \* M c t n - v g l p + . r q f " m t q w " *Picea abies* . " 3 8 0 X 0 4 2 2 6 . " 3 " V = " 9 3 7 6 " 6 " 6 4 " T M c n o c p q x k e g " \* g t x g p 2 " d n c v q + . " r q f " m t q w " *Picea abies* . " 4 6 0 K X 0 3 ; ; : . " 3 " , 1 . " 4 " V 0

Qmqn<sup>¶</sup>"E JMQ<"8876"6"Ug|k o q x q - u v f . " r q f " m t q w " *Picea abies* . " 3 : 0 X 0 4 2 2 3 . " 3 " . " 3 " V = " 8 : 7 4 " 6 " J p x m q x k e g . " r q f " m t q w " *Picea abies* , 5 0 X K 0 4 2 2 3 . " 4 " V = " 8 ; 7 4 " 6 " J n w d q m <sup>a</sup> p c f " X n v c x q w " \* D c d c + . " r q f " m t q w " *Picea abies* , 3 0 K X 0 4 2 2 5 . " 4 " . " 5 " . " 3 " V = " 3 ; 0 K K 0 4 2 2 4 . " 5 " . " 5 " . " 3 " V = " 3 0 K X 0 4 2 2 5 . " 1 , 1 . " 3 " V = " 9 3 7 6 " 6 " T M c n o c p q x k e g " \* P g r q o w m + . " r q f " m t q w " *Abies alba* , 4 6 0 K X 0 3 ; ; : . " 3 " , 0 0 " T M n c e j v c " n i v 0

g n g " E j g t p g v k f c g  
r q f g n g " E j g t p g v k p c g

*Chernes cimicoides* \* H e d t k e k w u . " 3 9 ; 5 +

Qmqn<sup>¶</sup>"E JMQ<"7;74"6" J n w d q m <sup>a</sup> p c f " X n v c x q w " \* P q x <sup>a</sup> q d q t c + . " 4 5 0 K X 0 3 ; ; : . " r q f " m t q w " *Fagus sylvatica* . " 5 " , 1 . " 3 " V = " r q f " m t q w " *Picea abies* , 1 , 2 = " r q f " m t q w " *Acer pseudoplatanus* , 1 = " J n w d q m <sup>a</sup> p c f " X n v c x q w " \* | <sup>a</sup> o g e m " r c t m + . " r q f " m t q w " *Acer pseudoplatanus* . " 3 ; 0 K K 0 4 2 2 4 . " 1 . " 3 " V = " J n w d q m <sup>a</sup> p c f " X n v c x q w " \* D c d c + . " r q f " m t q w " *Alnus glutinosa* . " 3 ; 0 K K 0 4 2 2 4 < " 5 " , 7 ; 4 7 0 X 0 4 2 2 7 . " 3 " = " 4 0 K X 0 4 2 3 3 . " 3 " 0

*Chernes hahnii* \* E 0 " N 0 " M q e j . " 3 : 5 ; +

E JMQ<sup>V</sup> g d q u m q < " 8 : 7 6 " 6 " 4 " X n m q x . " r q f " m t q w " *Populus* ur0."3;0X04223."3" F="7" X n m q x " \* W " X q j p q w m + . " r q f " m t q w " *Betula pendula* . " : 0 X 0 3 ; ; ; . " 4 " , 1 ; ; " H t c j g n f l " \* j t <sup>a</sup> | " t { d p f m w " P c f I g + . " r q f " m t q w " *Quercus* ur0." ; 0 X 0 3 ; ; ; . " 3 " ; ; " M n g e " \* j t <sup>a</sup> | " t { d p f m w " X f t c + . " r q f " m t q w " *Quercus* ur0." ; 0 X 0 3 ; ; ; . " 3 " . " 3 " F = " 8 : 7 7 " 6 " 3 4 " M c t f c - q x c " g k e g " \* E k m c t + . " r q f " m t q w " *Aesculus hippocastan* - *us* . " 3 : 0 X 0 4 2 2 5 . " 3 " F = " 8 ; 7 6 " 6 " 3 9 " V g d q " \* | <sup>a</sup> o g e m " r c t m + . " r q f " m t q w " *Aesculus hippocastan* - *us* , 3 5 0 X 0 4 2 2 8 . " 3 " V = " r q f " m t q w " *Platanus* ur0."520ZKK04229."4"V."3" F="3;" P q x q u g f n { " p c f " P g f l <sup>a</sup> t m q w . " r q f " m t q w " *Acer pseudoplatanus* . " 3 6 0 K X 0 4 2 2 9 . " 5 " ; 8 ; 7 7 " 6 " 4 5 " U v t <sup>a</sup> f l " p c f " P g f l <sup>a</sup> t m q w . " r q f " m t q w " *Acer pseudoplatanus* . " 3 6 0 K X 0 4 2 2 9 . " 4 " , 1 ; 4 : " O k t q e j q x . " r q f " m t q w " *Acer pseudoplatanus* , 3 4 0 X K K 0 4 2 2 : . " 3 " ; 9 2 7 7 " 6 " 6 2 " M n k m q x . " r q f " m t q w " *Aesculus hippocastan* - *us* . " 3 ; 0 X 0 4 2 2 3 . " 3 " ; 9 3 7 6 " 6 " 6 3 " T M c n o c p q x k e g " \* L k f m q x q " A f q n f l + . " r q f " m t q w " *Acer pseudoplatanus* . " 4 6 0 K X 0 3 ; ; : . " 3 " V 0

Qmqn<sup>¶</sup>"E JMQ<"8876"6"Rncp<sup>a</sup> p c f " N w f l p k e f l " \* q u v t q x " O c t m <sup>2</sup> v c + . " r q f " m t q w " *Quercus* ur0."420X04223."1" , 2 = " R n c p <sup>a</sup> p c f " N w f l p k e f l . " r q f " m t q w " *Acer pseudoplatanus* . " 4 2 0 X 0 4 2 2 3 . " 3 " . " 3 " V . " 3 " R = " U g | k o q x q - u v f . " r q f " m t q w " *Aesculus hippocastan* - *us* . " 3 : 0 X 0 4 2 2 3 . " 3 " V = " 8 9 7 3 " 6 " C n d t g e j v k e g " p c f " X n v c x q w . " r q f " m t q w " *Platanus* ur0."350KX04229."6" . " 5 " , 1 P ; 8 9 7 5 " 6 " D q t m q x k e g . " r q f " m t q w " *Aesculus hippocastan* - *us* . " 9 0 X 0 3 ; ; ; . " 3 " ; 8 9 7 6 " 6 " F t <sup>a</sup> e j q x " \* j t <sup>a</sup> | " E j n g d q x u m <sup>2</sup> j q " t { d p f m w + . " r q f " m t q w " *Populus* ur0."90X03; ; ; . " 4 " , 2 . " 5 " V = " M x c u g l q x k e g . " f w k p c " *Aesculus hippocastan* - *us* , 3 : 0 X 0 4 2 2 5 . " 3 " = " U q d u n c x . " r q f " m t q w " *Acer saccharum* . " 9 0 X 0 3 ; ; ; . " 4 " , 1 ; 8 9 7 7 " 6 " F f t p <sup>a</sup> P q x <sup>a</sup> X g u . " r q f " m t q w " *Acer pseudoplatanus* . " 3 : 0 X 0 4 2 2 5 . " 4 " ; 8 ; 7 4 " 6 " g u m <sup>2</sup> D w f l q x k e g " \* j t <sup>a</sup> | " t { d p f m w " F q o k p + . " r q f " m t q w " *Salix* ur0."430KX03; ; ; . " 3 " , 2 = " J n w d q m <sup>a</sup> p c f " X n v c x q w " \* P q x <sup>a</sup> q d q t c + . " r q f " m w u g o " f g x c . " 4 5 0 K X 0 3 ; ; : . " 3 " = " J n w d q m <sup>a</sup> p c f " X n v c x q w " \* | <sup>a</sup> o g e m " r c t m + . " r q f " m t q w " *Acer pseudoplatanus* . " 4 5 0 K X 0 3 ; ; : . " 4 " ; 9 2 7 4 " 6 " g u m <sup>2</sup> D w f l q x k e g " \* w n k e g " P c " U c f g e j + . " r q f "

m tqw"Platanus"ur0."430KX03;;:."3" .3"R="rqf"m tqw"Acer pseudoplatanus."430KX03;;:."3" ;  
**9376"6"**L<sub>h</sub>qkxkeg."rqf"m tqw"Aesculus hippocastanus."460KX03;;:."3" , 2 0

*Chernes nigrimanus*"Gnnkpiugp."3:;9

**E JMQ"V gdq umq<8;77"6"4;**"Oktqejqx"\*Nqu<sub>h</sub>"dncvq+."rqf"m tqw"Pinus"ur0."4:0X04232."3" ,  
R<sub>h</sub>"Fqngl-"( "C<sub>0</sub>Lgn<sub>h</sub>ppgm<sub>h</sub>ni v<sub>0</sub>=**9376"6"64**"<sub>h</sub>cn o cpqkxeg\* gtxgp<sup>2</sup>dncvq+."rqf"m tqw"Pinus rotundata,"  
460KX03;;:."4" , 5 ."3"V="390X04225."8" , 2 ."6"V="520KX04227."6" , 4 0

*Dinocheirus panzeri*"\*E<sub>0</sub>"N<sub>0</sub>"Mqej."3:59+

**E JMQ"V gdq umq<8:76"6"6"**Rqp ft<sup>a</sup>flmc."fwwkpc" *Tilia*"ur0." :0X03;;:."5" , 10 ."8"V."  
8" F."5"R="33" Pqxqgfn{ "pcf" Pgf<sup>a</sup>tmqw"\*W" Dncflm +."fwwkpc" *Tilia*"ur0."360KX04229."3"V="8:77"  
**6"34"**Mctfc-qxc" g keg"\*Ekmct+."fwwkpc" *Aesculus hippocastanus*."3:0X04225."4" ; **9276"6"55**  
Qrcvqxkem "On p."fwwkpc" *Acer platanoides*."350X04228."4" , 1 ."3" F0  
**Qmq<sub>h</sub>"E JMQ<8975"6"**Dqtmqxkeg."fwwkpc" *Aesculus hippocastanus*."350KX04229."3" = "Ocfkleg."  
fwwkpc" *Aesculus hippocastanus*."350KX04229."5"V."4" F="8976"6" Mxcuglqxkeg."fwwkpc" *Aesculus*  
*hippocastanus*."3:0X04225."3"V."7" F."4"R="40KX04233."3" , 2 ."4"V="8976"6" Umckeg."fwwkpc"  
*Aesculus hippocastanus*."380X04225."6" , 1 ."3"V="8;74"6" gum<sup>2</sup>"Dwf lqxkeg"\*jt<sup>a</sup> | t{dp<sub>h</sub>mw"  
Fq o kp+."fwwkpc" *Quercus*"ur0."430KX03;;:."5" , 6 ."39"V."3" F."4"R="9274"6" Xkfqx."fwwkpc"  
*Quercus*"ur0."40K04227."4" , 5 ."4"V."L<sub>0</sub>"Gtjctv<sub>h</sub>ni v<sub>0</sub>=**9376"6"**L<sub>h</sub>qkxkeg."x"rv c<sub>h</sub>"dfwefg."470KX03;;:."  
2 ."3"V0

### rqf gqg "Nc o r t q e j g t p g v k p c g

*Allochernes wideri*"\*E<sub>0</sub>"N<sub>0</sub>"Mqej."3:65+

**E JMQ"V gdq umq<8:76"6"3"**Xgugn<sub>h</sub>" pcf" Nwflpke<sub>h</sub>"\*jt<sup>a</sup> | " J nqj qxgem<sup>2</sup> j q" t{dp<sub>h</sub>mw+."fwwkpc"  
*Quercus*"ur0."90X03;;:."4" , 1 P; **5"**Xgugn<sub>h</sub>" pcf" Nwflpke<sub>h</sub>"\*T wfc+."j p<sub>h</sub> | f q" *Anas*"ur0." :0X03;;:."  
4"V="4" Rqp ft<sup>a</sup>flmc."fwwkpc" *Tilia*"ur0." :0X03;;:."7" , 4 ."8"V."7" F."6"R=" :0X03;;:."5" , 2 P;  
**7"**Xnmqx"\*W"Xqj p q w w m +."fwwkpc" *Quercus*"ur0." :0X03;;:."3" , 1 ."3"V."3"R=" : "Htcj g n f l"\*jt<sup>a</sup> |  
t{dp<sub>h</sub>mw" Pcf l g+."fwwkpc" *Quercus*"ur0." :0X03;;:."4"V."4" F."6"R="32" Mctfc-qxc" g keg"\*Mctn-vglp+."  
fwwkpc" *Quercus*"ur0."3:0X04225."3" ."3"V="8:77"6"35" Mctfc-qxc" g keg"\*jt<sup>a</sup> | t{dp<sub>h</sub>mw" Xgnm "  
Qej q | +."j tcdcpmc" *Quercus*"ur0" c" *Alnus glutinosa*."3:0X04225."3"R="8;76"6"3:"Uvct<sup>a</sup>" J n f p c."fwwkpc"  
*Quercus*"ur0."350X04228."3" ."5"V."7" F."3"R="8;77"6"42" Uvct f k p m c."fwwkpc" *Malus domestica*,"  
360KX04229."4"V="43" Lg o k p c."fwwkpc" *Quercus*"ur0."360KX04229."3" ."5"V="46" Uv f d g e."fwwkpc"  
*Tilia*"ur0."30K04228."3" ."7"V."8" F."7"R="47" Ng-vkpc"\*jt<sup>a</sup> | t{dp<sub>h</sub>mw"Uvct "Ur<sup>a</sup>ngp +."fwwkpc" *Quercus*  
ur0."350X04228."3" = "320XKKK0422: ."3"V="9276"6"56" Dtcpp<sup>a</sup>."fwwkpc" *Quercus*"ur0."350X04228."  
1 P; **57"**Egr."fwwkpc" *Quercus*"ur0."520KX04227."3" ."4"V."3" F="9277"6"58" Pqx<sup>a</sup> g m c"\*F n q w j "  
o q v+."fwwkpc" *Quercus*"ur0."350X04228."4"R="59" Nwvqx<sup>a</sup>\*jt<sup>a</sup> | t{dp<sub>h</sub>mw"Uvct "J qurqf<sup>a</sup> +."fwwkpc"  
*Quercus*"ur0."30K04228."4" F."3" R0  
**Qmq<sub>h</sub>"E JMQ<8876"6"**Rncp<sup>a</sup> pcf" Nwflpke<sub>h</sub>"\*jt<sup>a</sup> | t{dp<sub>h</sub>mw" Mqdgtp +."fwwkpc" *Quercus*"ur0."  
420X04223."5" ."6"V."4"R="Rncp<sup>a</sup> pcf" Nwflpke<sub>h</sub>"\*quvtqx" O c t m<sup>2</sup> v c+."fwwkpc" *Quercus*"ur0."420X04223."  
1 , 1 ."7"V."4" F."3"R="8976"6" Mxcuglqxkeg."fwwkpc" { *Aesculus hippocastanus*."3:0X04225."4" ,  
;" ."7"V."7" F."7"R="40KX04233."3" , 7 ."39"V."3" F."3"R="Og | p<sup>a</sup>."fwwkpc" *Malus domestica*,"  
40KX04233."3"V="8977"6" gtxgp<sup>a</sup>" Nj q v c."fwwkpc" *Tilia*"ur0."3:0X04225."3" = "j tcdcpmc" *Quercus*  
ur0" c" *Tilia*"ur0."3:0X04225."3"V="Rnwj x" fi<sup>a</sup> t."fwwkpc" *Tilia*"ur0."3:0X04225."3" , 2 ."4"V="8;  
**8;74"6"** gum<sup>2</sup>"Dwf lqxkeg"\*jt<sup>a</sup> | t{dp<sub>h</sub>mw" Fq o kp+."fwwkpc" *Quercus*"ur0."430KX03;;:."3" , 1 ,

5"V."9"F."3"R="8;74"6" J nwdqm<sup>a</sup> pcf<sup>a</sup> Xnvcxqw<sup>\*</sup> jt<sup>a</sup> | "Owpkem<sup>2</sup> j q" t { dp<sup>f</sup> mw+. " r q f" m t q w" Salix" ur0. " 450KX03 ; ; : . " 4" . " 3" V=" J nwdqm<sup>a</sup> pcf<sup>a</sup> Xnvcxqw<sup>\*</sup> Dcdc+. " f w v k p c" Quercus" ur0. " 30KX04225. " 3" , 1 P ; 3 ; 0KKK04224. " 3" , 1 . " 4" F. " 4" R="9274"6" Xk f q x. " f w v k p c" Quercus" ur0. " 40K04227. " 3" . " L0" G t j c t v" n i v0=" 9376"6" L<sup>n</sup> h q x k e g. " f w v k p c" Quercus" ur0. " 470KX03 ; ; : . " 3" . " 4" V0

*Anthrenochernes stellae* Nqj o c p f g t. " 3 ; 5 ;

Qmqn<sup>f</sup> " E J M Q < " 8976"6" M x c u g l q x k e g. " f w v k p c" Aesculus hippocastanus. " c n g l" u o t g o" f q" q d e g" O g | p<sup>a</sup>. " 3 : 0X04225. " 5" 0

*Lamprochernes chyzeri* \* V<sup>3</sup>/<sub>4</sub> o<sup>3</sup>/<sub>4</sub> u x<sup>a</sup> t { . " 3 : : 4 +

Qmqn<sup>f</sup> " E J M Q < " 8 ; 74"6" J nwdqm<sup>a</sup> pcf<sup>a</sup> Xnvcxqw<sup>\*</sup> P q x<sup>a</sup> q d q t c+. " r q f" m t q w" Picea abies. " 450KX03 ; ; : . " 1 . " 4" V=" J nwdqm<sup>a</sup> pcf<sup>a</sup> Xnvcxqw<sup>\*</sup> jt<sup>a</sup> | " Owpkem<sup>2</sup> j q" t { dp<sup>f</sup> mw+. " r q f" m t q w" Salix" ur0. " 450KX03 ; ; : . " 1 0

*Pselaphochernes scorpioides* \* J g t o c p p. " 3 : 26 +

E J M Q V g d q u m q < " 8 : 76"6"7" X n m q x<sup>\*</sup> W" X q j p q w m +. " f w v k p c" Quercus" ur0. " : 0X03 ; ; : . " 3" F=" 8 : 76"6"8" o g | k" H t c j g n f<sup>f</sup> c" X n m q x g o. " f w v k p c" Quercus" ur0. " 30X04222. " 3" , 1 . " 4" V. " 9" F=" 8 : 76"6"33" P q x q u g f n { " p c f" P g f<sup>a</sup> t m q w<sup>\*</sup> W" D n c f l m +. " f w v k p c" Tilia" ur0. " 360KX04229. " 3" ; 8 ; 77"6"47" N g - v k p c<sup>\*</sup> j t<sup>a</sup> | " t { dp<sup>f</sup> mw" U v c t " U r<sup>a</sup> n g p +. " f w v k p c" Quercus" ur0. " 320XKKK0422 : . " 3" 0

Qmqn<sup>f</sup> " E J M Q < " 8876"6" R n c p<sup>a</sup> pcf<sup>a</sup> N w f l p k e<sup>f</sup> \* q u v t q x" O c t m<sup>2</sup> v c+. " f w v k p c" Quercus" ur0. " 420X04223. " 3" V=" 8 ; 74"6" gum<sup>2</sup> D w f l q x k e g<sup>\*</sup> j t<sup>a</sup> | " t { dp<sup>f</sup> mw" F q o k p+. " f w v k p c" Salix" ur0. " 430KX03 ; ; : . " 3" ; 8 ; 74"6" J nwdqm<sup>a</sup> pcf<sup>a</sup> Xnvcxqw<sup>\*</sup> P q x<sup>a</sup> q d q t c+. " r q f" m t q w" Fagus sylvatica. " 450KX03 ; ; : . " 3" ; 9274"6" X k f q x. " f w v k p c" Quercus" ur0. " 40K04227. " 3" . " L0" G t j c t v" n i v0

gng " E j v j p k k f c g

*Chthonius (Chthonius) carinthiacus* " D g k g t. " 3 ; 73

E J M Q V g d q u m q < " 8 : 76"6"33" P q x q u g f n { " p c f" P g f<sup>a</sup> t m q w<sup>\*</sup> W" D n c f l m +. " f w v k p c" Tilia" ur0. " 360KX04229. " 4" , 1 ; 8 ; 77"6"42" U v t c f k p m c. " j t c d c p m c" Quercus" ur0. " 360KX04229. " 3" 0

*Chthonius (Chthonius) orthodactylus* \* N g c e j. " 3 : 39 +

Qmqn<sup>f</sup> " E J M Q < " 8974"6" P w | k e g<sup>\*</sup> f i k f q x c" d q w f c+. " j t c d c p m c" Quercus" ur0. " 50XK04223. " 9" ; 8 : 74"6" J p x m q x k e g" j t c d c p m c" Fraxinus excelsior. " 50XK04223. " 5" ; 8 ; 74"6" J nwdqm<sup>a</sup> pcf<sup>a</sup> Xnvcxqw<sup>\*</sup> Dcdc+. " j t c d c p m c" Quercus" ur0" c" Tilia" ur0. " 3 ; 0KKK04224. " 3" 0

*Chthonius (Ephippiochthonius) tetrachelatus* \* R t g { u u n g t. " 39 ; 2 +

E J M Q V g d q u m q < " 8 : 76"6"5" X g u g n<sup>f</sup> p c f" N w f l p k e<sup>f</sup> \* T w f c+. " r q f" m c o g p g o < ; ; : " 3" 0  
Qmqn<sup>f</sup> " E J M Q < " 8 : 74"6" J p x m q x k e g. " j t c d c p m c" Quercus" ur0" c" Pinus" ur0. " 50XK04223. " 4" 0

gng " N c t e k f c g

*Larca lata* \* J c p u g p. " 3 : : 6 +

E J M Q V g d q u m q < " 8 : 76"6"32" M c t f c - q x c" g k e g<sup>\*</sup> M c t n - v g l p+. " f w v k p c" Quercus" ur0. " 3 : 0X04225. " 1 , 4 . " 4" V=" 380X04226. " 3" " 3" V=" 8 : 77"6"4" M c t f c - q x c" g k e g<sup>\*</sup> E k m c t+. " f w v k p c" Quercus" ur0. "

3:0X04225."4" .5"V="8;76"6"38"Nwflpkeg"\*jt<sup>a</sup>|"t{dp<sup>f</sup>mw" Tqflw o dgtm+. "fwvkpc" *Quercus*"ur0."350X04228."3" F="8;77"6"43" Lg o kpc. "fwvkpc" *Tilia*"ur0."360KX04229."3" F="9276"6"56" Dtepp<sup>a</sup>. "fwvkpc" *Quercus*"ur0."350X04228."3" , 2 .3" F="9277"6"58" Pqx<sup>a</sup> gmc\*F<sup>n</sup>qwj "o quv+. "fwvkpc" *Quercus*"ur0."320XKK0422:."5" , 5 .4"V0  
**Qmqn<sup>f</sup>** **E JMQ<8;74"6" J** nwdqm<sup>a</sup> pcf<sup>a</sup> X<sup>n</sup>vcxqw\*<sup>a</sup> Dcdc+. "fwvkpc" *Quercus*"ur0."3;0KK04224."3" , 2 P; **9376"6" L** n<sup>q</sup>xkeg. "fwvkpc" *Quercus*"ur0."470KX03; ; .3" 0

**gng "Pgqdkukf cg**

*Microbisium brevifemorum* \*Gm<sup>n</sup>kpi ug<sup>p</sup>. "3;25+

**E JMQ"V gdq umq<8:76"6"5" Xgugn<sup>f</sup>** pcf<sup>a</sup> Nwflpke<sup>f</sup>\*T<sup>w</sup>fc+. |g o p<sup>f</sup> r<sup>c</sup>uv. "460X03; ; 564:0X03; ; 5." 3"gz0."L0"Xkn<sup>f</sup> o qx<sup>a</sup> ni v0

*Neobisium carcinoides*\* Jgt o c<sup>p</sup>p. "3;26+

**E JMQ"V gdq umq<8:76"6"4" Xnmqx.** "j tdc<sup>p</sup>mc" *Quercus*"ur0" c' *Alnus glutinosa*. "360KX04229."3" ; **5" Xgugn<sup>f</sup>** pcf<sup>a</sup> Nwflpke<sup>f</sup>\*T<sup>w</sup>fc+. "j tdc<sup>p</sup>mc" *Salix*"ur0."520KX04222."3" F. "O0" gl<sup>a</sup> "ni v0="30KZ03; ; 6." 4 , 2 . "O0" Mqr kxqx<sup>a</sup> ni v0=" j tdc<sup>p</sup>mc. "480X04225."7" , 1 ; **4 Rq<sup>p</sup> ft<sup>a</sup> flm<sup>c</sup>.** "j tdc<sup>p</sup>mc" *Quercus*"ur0" c' *Pinus abies*. : 0X03; ; ; .4" .N0" Mwdeqx<sup>a</sup> ni v0=" : Htcjgn<sup>f</sup>l\*jt<sup>a</sup> | "t{dp<sup>f</sup>mw" Pcf lg+. "j tdc<sup>p</sup>mc" *Quercus*"ur0." ; 0X03; ; ; .8" V="33" Pqxq<sup>u</sup>gn { "pcf" Pgf<sup>a</sup> tmq<sup>w</sup>\*W" Dncflm +. "j tdc<sup>p</sup>mc" *Alnus glutinosa*. "360KX04229."3" .5" = "j tdc<sup>p</sup>mc" *Quercus*"ur0" c' *Tilia*"ur0."360KX04229."5" ; **8:77"6"35" Mctfc-qxc** g keg\*jt<sup>a</sup> | "t{dp<sup>f</sup>mw" Xgnm "Qejq | +. "j tdc<sup>p</sup>mc" *Quercus*"ur0" c' *Alnus glutinosa*, 3:0X04225."3" .3" F="8;76"6"37" Mqngpeg. "j tdc<sup>p</sup>mc" *Quercus*"ur0."360KX04229."5" ; **3: "Uvct<sup>a</sup>** J n<sup>f</sup>pc\*jt<sup>a</sup> | "t{dp<sup>f</sup>mw" Uvct "Xf<sup>q</sup>xge+. "j tdc<sup>p</sup>mc" *Quercus*"ur0."350X04228."3" ; **8;77"6"43" Lg o kpc.** "j tdc<sup>p</sup>mc" *Quercus*"ur0."360KX04229."3" ; **44" On<sup>a</sup>mc.** "j tdc<sup>p</sup>mc" *Quercus*"ur0" c' *Pinus abies*, 360KX04229."3" ; **45" Uvt<sup>a</sup> fl** pcf<sup>a</sup> Pgf<sup>a</sup> tmq<sup>w</sup>. "j tdc<sup>p</sup>mc" *Quercus*"ur0" c' *Alnus glutinosa*. "360KX04229."2 ; **46" Uv<sup>f</sup> d** ge. "j tdc<sup>p</sup>mc" *Quercus*"ur0."350X04228."5" , 1 ; **48" Nwqx<sup>a</sup>** \*jt<sup>a</sup> | "J w o rqnge- m<sup>2</sup> j q" t { dp<sup>f</sup>mw+. "fwvkpc" *Quercus*"ur0."30K04228."3" , 1 ; **9276"6"52" Urqn<sup>f</sup>.** "j tdc<sup>p</sup>mc" "520KX04227."5 , 1 ; **53" Fq o cp<sup>f</sup>p.** "j tdc<sup>p</sup>mc" "520KX04227."3" , 1 ; **54" V gdq** \*Uej yct | gpdgtm<sup>a</sup> "j tqdmc+. "j tdc<sup>p</sup>mc" *Quercus*"ur0" c' *Tilia*"ur0."350X04228."3" ; **56" Dtepp<sup>a</sup>.** "j tdc<sup>p</sup>mc" *Quercus*"ur0" c' *Tilia* ur0."350X04228."3" , 1 ; **9277"6"5:** "Ejnw o" w" V gdq<sup>p</sup> \*|<sup>a</sup> o gem<sup>a</sup> | cjt<sup>c</sup>fc+. "j tdc<sup>p</sup>mc" *Alnus glutinosa*. "350X04228."3" ; **5: "Htepvk-mqx** \*<sup>TM</sup>ktqm<sup>2</sup> dncvq+. "j tdc<sup>p</sup>mc" *Quercus*"ur0" c' *Pinus abies*, 3;0X04223."3" ; **9376"6"64" Tm<sup>cn</sup> o cpqxkeg** \*gtxgp<sup>2</sup> dncvq+. "j tdc<sup>p</sup>mc" "460KX03; ; .5" , 1 .3"V. 3" F="9377"6"65" Uwe j fqn pcf<sup>a</sup> Nwflpke<sup>f</sup>. "j tdc<sup>p</sup>mc" p<sup>k</sup>x { .3;0X04223."3" ; **9377"6"44" Htepvk-mqx** \*Åfqn<sup>f</sup> Ftc keg+. "j tdc<sup>p</sup>mc" p<sup>k</sup>x { .380X04226."3" 0

**Qmqn<sup>f</sup>** **E JMQ<8873"6" R<sup>f</sup>ugm.** "j tdc<sup>p</sup>mc" *Alnus glutinosa*. "350KX04229."4" , 2 ; **8876"6" Sezi-** o qxq—uv<sup>f</sup>. "j tdc<sup>p</sup>mc" *Quercus*"ur0." *Tilia*"ur0" c' *Salix* ur0."3:0X04223."9" ; **8974"6" P g | pc-qx.** "j tdc<sup>p</sup>mc" *Alnus glutinosa*. "350KX04229."4" , 1 ; Pw | keg\*<sup>f</sup>ik<sup>f</sup>qxc" dqwfc+. "j tdc<sup>p</sup>mc" *Quercus* ur0."50XK04223."3" , 1 .3"V="R gf keg. "j tdc<sup>p</sup>mc" *Quercus*"ur0."350KX04229."4" V="8975"6" O cflkeg" \*j<sup>a</sup> lq<sup>x</sup>pc" Lkvtc+. "j tdc<sup>p</sup>mc" *Quercus*"ur0."90X03; ; ; .4" ; **8976"6" Ft<sup>a</sup> e j qx**\*Ft<sup>a</sup> e j qxum "ngu+. "j tdc<sup>p</sup>mc" *Quercus*"ur0" c' *Picea abies*. "90X03; ; ; .4" = "Ft<sup>a</sup> e j qx. "j tdc<sup>p</sup>mc" *Quercus*"ur0" c' *Tilia* ur0."30X04226."3" ; **8977"6" gtxgp<sup>a</sup>** Nj qvc. "j tdc<sup>p</sup>mc" *Quercus*"ur0" c' *Tilia*"ur0."3:0X04225."3" , 2 ; **8:74"6" J p xmqxkeg.** "j tdc<sup>p</sup>mc" *Quercus*"ur0" c' *Pinus abies*. "50XK04223."3" o="8;74"6" gum<sup>2</sup> Dwf lqxkeg\*jt<sup>a</sup> | "t{dp<sup>f</sup>mw" Fq o kp+. "j tdc<sup>p</sup>mc" *Quercus*"ur0."440KX03; ; ; .3" F="J nwdqm<sup>a</sup> pcf<sup>a</sup> X<sup>n</sup>vcxqw\*Pqx<sup>a</sup> qdqt<sup>c</sup>+. "fwvkpc" *Fagus sylvatica*. "450KX03; ; ; .3" V="j tdc<sup>p</sup>mc" *Quercus*"ur0."450KX03; ; ; .5" , 2 = "j tdc<sup>p</sup>mc" *Fagus sylvatica* a *Tilia*"ur0."450KX03; ; ; .3" .3" F="J nwdqm<sup>a</sup> pcf<sup>a</sup> X<sup>n</sup>vcxqw

\*Dcdc+. "j tcdcpmc" *Quercus* ur0 c "Tilia" ur0. "3; 0KKK04224. " ; "7" V. "4" R= "j tcdcpmc" *Quercus* ur0. "30KX04225. "5" . "5" ; **9273** "6" M g o flg \*tg lgtxceg F¶x ¶M" a o gp+. "uw . "480XKKK04223. "3" V. "R" M o gp v ni v0= **9376** "6" TM cn o cpqxkeg \*Pgr q o wm+. "j tcdcpmc" *Quercus* ur0. "460KX03; ; . "4" . "5" ; |g o p¶ r cuv pc" rcugeg. "320KZ03; ; 86420KZ03; ; 8. "3" . "O" TM nce jvc ni v0= "f gxq" *Fagus sylvatica*, "440KK03; ; 9. "3" . "O" TM nce jvc ni v0= "j tcdcpmc. "370ZK03; ; 9. "3" , 1 . "O" TM nce jvc ni v0= "vtqwej" *Picea abies*. "90ZK03; ; . "3" . "O" TM nce jvc ni v0= " |g o p¶ r cuv pc" rcugeg. "470KX03; ; . "3" . "O" TM nce jvc ni v0= "4; 0KKK03; ; . "3" . "O" TM nce jvc ni v0= **9576** "6" Pqxqj tcfum2" jqt { " \*Uvqf ngem " xtej+. " j tcdcpmc. "370XKK04223. "3" V. "N0" Mwdeq x a ni v0

*Neobisium erythrodactylum* \*N0" Mqej. "3: 95+

**E JMQV** gdq umq \*8; **77** "6" **42** Uvtc fkpmc. "j tcdcpmc" *Quercus* ur0 c "*Alnus glutinosa*." "360KX04229. "1 ; **43** "Lg o kpc. "j tcdcpmc" *Quercus* ur0. "380KX04229. "3" 0  
**Qmq¶** "E JMQ" < **8876** "6" Rncp a "pcf" Nwflpke¶ \*quvtqx" Octm2vc+. "fwkpc" *Quercus* ur0. "420X04223. "1 = "Ug |k o qxq" -u¶. "j tcdcpmc" *Quercus* ur0. "Tilia" ur0 c "*Salix* ur0. "3; 0X04223. "3" V. "3" F= **8976** "6" Ft a ejqx. "j tcdcpmc" *Quercus* ur0 c "Tilia" ur0. "30X04226. "3" 0

*Neobisium fuscimanum* \*E0" N0" Mqej. "3: 65+

**E JMQV** gdq umq \*8; **76** "6" : "Htc jgnfl¶ j t a |t { dp¶ mw" Pcf lgt+. "j tcdcpmc" *Quercus* ur0. "0X03; ; . "3" F= **8; 77** "6" **35** Mctfc-qxc" g keg¶ j t a |t { dp¶ mw" Xgnm "Qe j q |+. "j tcdcpmc" *Quercus* ur0 c "*Alnus glutinosa*." "3; 0X04225. "3" F= **9276** "6" **57** Egr. "j tcdcpmc" *Quercus* ur0. "520KX04227 < 4" 0  
**Qmq¶** "E JMQ" < **8; 74** "6" J nwdqm a "pcf" Xnvexqw \*Dcdc+. "j tcdcpmc" *Quercus* ur0. "30KX04225. "3" ; j tcdcpmc" *Quercus* ur0 c "Tilia" ur0. "3; 0KKK04224. "3" R= **9376** "6" TM cn o cpqxkeg \*Pgr q o wm+. "fwkpc" *Quercus* ur0. "460KX03; ; . "3" , 1 ; **9476** "6" Pqxqj tcfum2" jqt { " \*J lp a "Xqfc+. "j tcdcpmc" uw q-x2 j q nguc. "380XKK04223. "5" V. "N0" Mwdeq x a ni v0= "j tcdcpmc. "70ZK04224 < 3" . "O" J tcd a mx x a ni v0= **9576** "6" Pqxqj tcfum2" jqt { " \*Rq j qtm a " Xgu+. " j tcdcpmc. "320XKK04223. "3" V. "N0" Mwdeq x a ni v0= "380XKK04223. "3" . "8" V. "N0" Mwdeq x a ni v0

*Neobisium sylvaticum* \*E0" N0" Mqej. "3: 57+

**Qmq¶** "E JMQ" < **8; 74** "6" J nwdqm a "pcf" Xnvexqw. "pc" up jw. "520ZK03; ; 8. "3" . "3" V. "O" TM nce jvc ni v0= "J nwdqm a "pcf" Xnvexqw \*Dcdc+. "j tcdcpmc" *Quercus* ur0 c "Tilia" ur0. "30KX04225. "3" ; **9274** "6" Dtcpk-qx. "j tcdcpmc" *Quercus* ur0. "490KZ04227. "3" V. "L0" Gt jctv ni v0

FKUMWUG

X"uqw cup2" fqd "lg" pc" À |g o ¶ gum2" tgrwdnkm { "wf a x a p" x um {v" 5: "ftwj "-v¶tm " |g" 9" gng-f¶¶ \*E jtkuvqr j qtkx a "cv" cn0" 4233d+0" \ "vq j qvq" r q vw" lug o "pc" À |g o ¶ "E JMQ" V gdq umq |lkuvkn x" fvgvt o k p q x cp2" o "o cvgtk a nw" 37" ftwj " |g" 8" gng f¶¶ c | "qm qn¶ v2vq" e j t a p p2" qdncuvk" lug o |lkuvkn 38" ftwj " |" 7" gng f¶¶ 0" Egnmg o r tq qd "v {vq qdncuvk" ug l g f p a "q 42" ftwj \*8" gng f¶¶ 0" Rq gv p c n g |g p e j " ftwj "lg" vcn" pc" j q t p¶ j t c p k e¶ |p a o2" ftwj q x2" f k x g t |k v { "x" gum2" tgrwdnkeg¶ P c " q d f q d p " r q f t q d p " r t q |m q w o c p e j " o ¶ u v g e j " x" gum2" tgrwdnkeg d {n |c v¶ o |lk-v p ¶ u v g l p " c " p e d q " p k f l -¶ r q g v " ftwj "-v¶tm < " R t c j c " \*42" ftwj +\*TM a j n c x u m "4223+. " P a t q f p¶ j q r c t m " R q f { I¶ \*37" ftwj +\*TM a j n c x u m "4228c+. " F a p p¶ R q x n v x c¶ c " R q f k r u m q " \*33" ftwj +\*TM a j n c x u m " (" M t a u p "4229+. " E J M Q " N k v q x g n u m 2" R q o q t c x ¶ " \*33" ftwj +\*TM a j n c x u m " (" V w h "422; +. " E J M Q " M q m q ¶ p u m q " \*32" ftwj +\*TM a j n c x u m "4228d+0

\lk-v p2" ftwj q x2" unq f g p¶ q f r q x ¶ f a " t |p o" r t q u v g f ¶ o. " |g" m v g t e j " d { n k " -v¶ t e k " u d ¶ t a p k " c " p c " m v g t 2" u g l g f p q v n x 2" ftwj { " u r g e k n k |w l ¶ 0 " X " f w k p a e j " u v t q o " r g x n a f c n { " ftwj j " | " g n g f ¶ k " E j g t p g -



vkfcg" c" Nctekfcg0" \ gl o 2pc" ug" lgp" a" q" ftwj { " *Allochernes wideri* a *Larca lata*. "myg ¶ rtghgtwlf" fwwkp { " fwd " pc" jt" a | ¶ ej" t { dp ¶ m " ug" uwe j " o " uwduvt" a vg o " \* Fwe j" a " 3 ; ; 5c. " TM " a jncxum " 4223. " E j tkuvr j qt { qx" a " gv" c n0 " 4233c+0" F" a ng" lug o " pcng | n" ftwj { " *Dinocheirus panzeri* a *Pselapho-cherines scorpioides*. "mygt" " lqw" " cuv" 2" x" fwwkp" a ej" c" lkl" f ¶ xg" pc" À | g o ¶ ¶ E J M Q" V g d q umq" d { n { | lk- v p { " \* Fwe j" a " 3 ; ; 5c+0" Pgl | cl ¶ o cx l- ¶ o " p" a ng | g o. " mygt " r qe j" a ¶ ¶ | d n ¶ | m 2 j q " qm q n ¶ " E J M Q" V g d q umq " | " fwwkp { " mc- vcpw" x" cnglk" xgf qwe ¶ " w" qdeg" Mxcuglqxkeg" \* u o t g o " pc" qdge" O g | p" a +. " lqw" dg | gurqtw" v k" uc o ke g" ftwj w" *Anthrenochernes stellae*0" Vgppvq" ftwj " Ig" lcmq" lgp ¶ " | " a uvwreg" " a fw" r ex q w m q x e " \* Ctcej p k f c + " | c | g p " f q u g | p c o " ftwj " u q w u v c x { " P c w t c " 4 2 2 2 0 " O k o q " x - g " w x g f g p 2 " ftwj { . " w " mygt e j " l g " | p" a o " a " l g l k e j " x t c | p" a x c | d c " p" f w w k p { " u v t q o " \* TM " a j n c x u m " 4 2 2 3 + . " lug o " x " f w w k p " a e j " p c n g | n " k " f c n - ¶ - v ¶ t m { < " *Chthonius carinthiacus*, *Neobisium carcinoides*, *Neobisium erythroductylum*, *Neobisium fuscimanum* a *Chernes hahnii*0" Ftwj " *Chernes hahnii* se ale x { u m { v w l g " r g x " a f l p " r q f " m t q w u v t q o " c " q u v c v p ¶ " f t w j { " x " r f p ¶ " j t c d c p e g 0 " X | j n g f g o " m " v q o w . " f l g " u g " x " f w w k p " a e j " p c n 2 | c l ¶ " r q w | g " q l g f k p n 2 " l g f p q v n x 2 " g z g o r n " a g . " n | g " l g l k e j " x u m { v " x " v q o v q " r t q u v g f ¶ " r q x c f l q x c v " | c " p " a j q f p 0 " l c m q " p " a j q f p " d { n " m n c u k l m q x " a p " l k l " f ¶ x g " x " v q o v q " r t q u v g f ¶ " x u m { v " f t w j w " *Neobisium carcinoides* x " R t c | g " \* TM " a j n c x u m " 4 2 2 3 + 0

X" r f p ¶ " j t c d c p e g " r g x n " a f c n { " f t w j { " | " g n g f ¶ " P g q d k u k k f c g " c " E j v j q p k k f c g 0 " U v g l p " l c m q " p c " x - g e j " q u v c v p ¶ e j " u v w f q x c p e j " o ¶ u v g e j " x " g u m 2 " t g r w d n k e g " \* p e r 0 " T M " a j n c x u m " 4 2 2 3 . " T M " a j n c x u m " 4 2 2 8 c . " T M " a j n c x u m " 4 2 2 8 d . " T M " a j n c x u m " ( " M t " a u p " 4 2 2 9 . " T M " a j n c x u m " ( " V w h " 4 2 2 ; + v c m " k " x " E J M Q " V g d q u m q " c " l g j q " q m q n ¶ " d { n " p g l c u v l - ¶ o " f t w j g o " *Neobisium carcinoides* 0 " V g p " v x q k n " x " o c v g t k " a n w " | " r f p ¶ " j t c d c p m { " 8 4 " ' " x " q m q n ¶ " e j t " a p p 2 " q d n c u v k " c " x " E J M Q " f q m q p e g " : " ' " 0 " P g l | c l ¶ o c x l - ¶ o " p " a n g | g o " | " f t w j " f l k l ¶ e ¶ e j " x " r f p ¶ " j t c d c p e g " l g " | l k - v p ¶ " l g f p q j q " g z g o r n " a g " f t w j w " *Microbisium brevifemoratum* " p c " n q m c n k v " T w f c " w " X g u g n ¶ " p c f " N w f l p k e ¶ 0 " X u m { v " v q j q v q " f t w j w " p c " v 2 v q " n q m c n k - v . " p q x " r t q " g u m q w " t g r w d n k m w . " d { n " | l k - v p " x " p g f " a x p 2 " f q d " \* E j t k u v r j q t { q x " a " g v " c n 0 " 4 2 3 3 d + 0 " \ l k - v p ¶ " v q j q v q " f t w j w " x g " u v c t - ¶ o " o c v g t k " a n w " p c | p c w l g . " f l g " u g " l g f p " a " q " u v c k n p ¶ " r q r w n e c k . " m y g t " a " u g " | f g " x { u m { v w l g " f n q w j q f q d 0 " V g p p v q " f t w j " p g p ¶ " c p k " x " q m q n p ¶ e j " u v " v g e j " r ¶ n k - " j l p " c " d { n " f q m q p e g " | c | g p " x " u q w u g f p ¶ o " P o g e m w " f q " g t x g p 2 j q " u g | p c o w " q j t q f l e p " e j " f l k x q k e j . " l c m q " f t w j " u " i g q i t c l e m q w " t g u v t k m e ¶ " \* F t q i n c " ( " D n k e m " 3 ; ; 8 + 0 " F c n - ¶ | c l ¶ o c x q u v ¶ " l g " p " a n g | " f t w j w " *Neobisium sylvaticum* " p c " u p j w 0 " l g f p " a " u g " q " f t w j . " m y g t " u g " x { u m { v w l g " | l g o 2 p c " x " r f p ¶ " j t c d c p e g " c " p " a n g | " p c " u p j w " r t q m c | w l g " l g j q " c m v k x k w " k " r k " p k f l - ¶ e j " v g r n q v " a e j 0 " R q f " m t q w " u v t q o " " l u g o " f " a n g " | l k u v k n " r g f g x - ¶ o " f t w j { " | " g n g f k " E j t p g p v k f c g 0 " P g l c u v l k " u g " l g f p c n q " q " f t w j " *Chernes hahnii*. " m y g t " l u g o " x g n o k " c u v q " p c n 2 | c n " x " r c t e ¶ e j " c " u c f g e j " c f { " o u v " c " q d e ¶ " r q f " m t q w " t | p e j " f t w j " u v t q o 0 " l g f p " a " u g " v q k f l " q " f t w j . " m y g t " f " a " x " a " r g f p q u v " q v g x g p 2 " m t c l k p " \* T c h c n u m k " 3 ; 8 9 + 0 " P e r t q v k " v q o w " o q t h q n q i k e m { " x g n o k " r q f q d p " f t w j " *Chernes cimicoides* " l u g o " | l k u v k n " r q f " m t q w " u v t q o " r q w | g " x " n g u ¶ e j " u g x g t p " q f " J n w d q m 2 " p c f " X n v c x q w 0 " V g p v q - v ¶ t g m " q r t q v k " r g f e j q | ¶ o w " w r g f p q u v w l g " | c n g u p p 2 " d k q v r { " \* D g k g t " 3 ; 8 2 + . " r t c x f " r q f q d p " r x q f p ¶ j q e j c t c m v g t w 0 " P c " À | g o ¶ " g t x g p 2 j q " d n c v c " x " E J M Q " V g d q u m q " d { n " l k l " | " f ¶ x l - ¶ " f q d { " | p " a o " r q f " m t q w " d q t q x k e g " d n c v m { " x u m { v " f t w j w " *Chernes nigrimanus* " \* U e j o c t f c " 3 ; ; 7 + 0 " X u m { v " v q j q v q " f t w j w " u g " r q f c k n q " p g l g p " r q v x t f k v " p c " u v g l p 2 o " o ¶ u v " c n g " v c m 2 " p c " f c n - ¶ " n q m c n k v " \* O k t q e j q x + u " r q f q d p o " e j c t c m v g t o " \* N q u ¶ " d n c v + 0 " F c n - ¶ o " f t w j g o . " v { r k e m o " r t q " m t w " u v t q o . " m y g t " l u g o " p c n g | n " x " E J M Q " V g d q u m q " c " l g j q " q m q n ¶ . " l g " *Mesochelifer resslit*0 " H c w p k u v k e m 2 " A f c l g " q " x u m { v w " v q j q v q " f t w j w " x " g u m 2 " t g r w d n k e g " d { n { " r w d n k m q x " a p { " | c v ¶ o " l g p " | g " f x q w " n q m c n k v " x " P " a t q f p ¶ o " r c t m w " R q f { l ¶ " \* TM " a j n c x u m " 4 2 2 8 c + " c " l g f p 2 " x " N k v q x g n u m 2 o " R q o q t e x ¶ " \* TM " a j n c x u m " ( " V w h " 4 2 2 ; + 0 " P m q n k n " n q m c n k v " x " E J M Q " V g d q u m q " c " l g j q " q m q n ¶ " w m c | w l ¶ . " f l g " u g " o " f l g " l g f p c v " q " f t w j . " m y g t " l g " r c v t p " p c " À | g o ¶ " g u m 2 " t g r w d n k m { " j q l p l - ¶ . " p g f l " u g " f q r q u w " | " f " a n q 0 " R q f " m t q w " u v t q o " u g " v c m 2 " r q f c k n q " p c " f x q w " n q m c n k v " a e j " x " D n ¶ | m q u v k " J n w d q m 2 " p c f " X n v c x q w " | l k u v k v " x u m { v " p m q n k m c " m w u " f t w j w " *Lamprochernes chyzeri*. " Q " v q o v q " f t w j w " u g "

lkf|Xgtpgt\*3;93+| o k wlg|lcmq"q"pgjqlp2 o "ftwjw"x"vgjfgl-¶o " gumqunqxpumw"c"mqpmt2vp¶  
Åfclg"q"lgjq"x um{vw"d{n{"fqrquwf"rwdnkmqxp{"x" gum2"tgrwdnkeg"rqw|g|"g"fxqw"o"¶uv"x"Rtc|g"  
\*tm a jncxum "4223+0"

Uqwjtpj "n|g"Å|g o ¶E JMQV gdq umq" c"lgjq"qm¶¶"rxcflqxcv"|"jngfkumc"fkxgt|kv{"-v¶tm " x"t"o ek" gum2"tgrwdnkm{"|c"ftwjqx "rqo tp "dqjcvqw"qdnucv"u"x um{vg o "k" cf{"x" ep 1-¶ej" ftwj " \*pcr 0" *Anthrenochernes stellae*, *Larca lata*, *Chernes nigrimanus*, *Microbisium brevifemoratum*+0" F" a"ug"pke o 2p " r gfrqmn" fcv."flg"ug"pc"vq o vq" Å|g o ¶"x"dwfqwepw" o flg" |lkuvkv" x um{v" fcn-¶ej" ftwj 0" Vgpvq" r gfrqmn" cf" rqrftwlg" |glo 2pc" x um{v" cf{" fcn-¶ej" ftwj " pc" lkp ej" o ¶uvgej" gum2"tgrwdnkm{" k"x"uqwugf¶¶ o "Tcmqwumw" \*pcr 0" *Chernes vicinus*, *Chthonius fuscimanus*, *Ch. ischnocheles*, *Dactylochelifer latreillii*, *Lamprochernes nodosus*, *Neobisium carinthiacum*, *N. simoni*+0

RQF MQXf P~. T" a" d{ejq o "pc"vq o vq" o ¶uv "rqf mqxcn" x-g o "mqngi o. "mvg ¶ o k" r qum{vnk" o cvgtk" a" c" L0" E j tkuvr j qt{-qx2. "L0" T flk mqx" c" L0" Xkpgtqxk" |c" epp2" tcf{" c" mq o gpi" a" g" m" twmqrkuw0" Ud t" -v¶tm " d{n" a" ug p "urqwLpcpeqx" p" |" r tqlgmw" O U O " 2243842 : 4 : 0

NKVGTCVWTC

CPQP [ OWU" 422; < V gdq umq" c" Jqtp¶¶ "Nwflkeg" o" vwtkukem" a" o cr c. " o ¶ymq" 3<" 72" 2220" 30" x{ f" a" p¶0" Mnwd" gum ej" Vwtkv . "Rtcj c" \*kp" E |gej +0

DGKGT" O0" 3; 82< E j tpgu" ek o keqkfgu" \*Hh" wpf" E j tpgu" j c jpk" \*E0N0Mqe j +. | y gk" i w w p w g t u e j g k f g p g C t v g p ¶ " Zeitschrift der Arbeitsgemeinschaft der Österreichischer Entomologen 34< 32263240

DGKGT" O0" 3; 85< Q t f w p w i " Rugwfqueqrkqpkf g c " \* Chygtumqrkqpg +0 Dgwko o w p i u d Ä e j g t " | w t " D q f g p h c w p c " G w t r c u " 30" Cmc f g o k g / X g t n c i . " D g t k p . " 535" r r 0

FTQ I N C " T 0 " ( " D N K E M " W 0 " 3 ; ; 8 < T q v g " N k u v g " f g t " R u g w f q u m q t r k q p g " F g w w u e j n c p f u " \* C t c e j p k f c . " R u g w f q u e q t r k q p g u +0 Arachnologische Mitteilungen 33< 5865: 0

FWE J f " V . 3 ; : : < R ¶ u r x g m " m " r q | p " a" p ¶ - v ¶ t m " gum2" j q " u v g f q j q ¶ 0 " D g k v t c i " | w t " M g p p p v p k u " f g t " C h y g t u m q r k q p g " c w u " g u m 2 " u v g f q j q ¶ +0 Fauna Bohemiae Septentrionalis 35< 325632: " \* k p " E | g e j . " I g t o c p " c d u v t c e v +0

FWE J f " X 0 " 3 ; : : < R ¶ u r x g m " m " h c w p k u v k e g " - v ¶ t m " gumqunqxpumc" \* Rugwfqueqrkqpkf g c +0 " D g k v t c i " | w t " H c w p k u v k m " f g t " C h y g t u e q t r k q p g " f g t " V u e j g e j u m q y c m g k +0 " d q t p f m " U n q x g p u m 2 " j q " P " a t q p 2 " j q " O Å | g c . " R t f t q p 2 " X g f / " 57 < 39 ; 63 : 4 " \* k p " E | g e j . " I g t o c p " c d u v t c e v +0

FWE J f " X 0 " 3 ; ; 5 c < ¶ v ¶ t e k " \* R u g w f q u e q t r k q p k f g c " | g " u v t q o q x e j " f w w k p " p c " v g d q u m w 0 " \* C h y g t u e q t r k q p g " \* R u g w f q u e q t r k q p k f g c + c w u " D e w o j ¾ j n g p " k p " f g t " W o i g d w p i " x q p " V g d q +0 " U d q t p f m " L k j q g u m 2 " j q " O w | g c " x " gum ej " D w f l q x e j e j . " R ¶ t q f p ¶ " X f l 55< 8768 ; \* k p " E | g e j . " I g t o c p " c d u v t c e v +0

FWE J f " V . 3 ; ; 5 d < | y g k " p g w g " C h y g t u m q r k q p / C t v g p " c w u " f g t " V u e j g e j k u e j g p " T g r w d n k m 0 " Arachnologische Mitteilungen 7< 5865 : 0

FWE J f " V . 3 ; ; 6 < H c w p k u v k e m q / d k p q o k e m 2 " r q | p " a" o m { " m " p m v g t o " f t w j o " - v ¶ t m " gum2" tgrwdnkm{" c" Unqxpum2" tgrwdnkm{0" Hcwpkuvke j / dkqpp o k u e j g " D g o g t m w p i g p " | w g k p k i g p " C h y g t u e q t r k q p g p " c w u " f g t " V u e j g e j k u e j g p " T g r w d n k m " w p f " U n q y c m k u e j g p " T g r w d n k m +0 Fauna Bohemiae Septentrionalis 3; < 35 ; 6375 \* k p " E | g e j . " I g t o c p " c d u v t c e v +0

FWE J f " V . 3 ; ; 7 < R u g w f q u e q t r k q p k f c 0 " H q n k " H c e w m v k u " U e k g p v k t w o " P e w t n k w o " W p k x t u k v c k u " O c u c t | m k c p e g " D t w p p g u k u . " D k e n q i k c ; 4 < 736750 \* k p " G p i n k u j +0

FWE J f " V . 3 ; ; < G t u p c e j y g l u " x q p U { c t k p u " u v t c p f k " k p " f g t " V u e j g e j k u e j g p " T g r w d n k m \* C t c e j p k f c < R u g w f q u e q t r k q p g u +0 Entomologische Zeitschrift 32: < 728672 : 0

FWE J f " X 0 " ( " O N G L P G M " T 0 " 4226 < E j v j q p k w " j g v g t f c e v { n w u " V ¾ o ¾ u x c t { . ' 3 : : 4 " \* C t c e j p k f c < R u g w f q u e q t r k q p g u + | " J t c p k e m 2 " r t q r c u w " l c m q " p q x " f t w j " - v ¶ t m c " r t q " h c w p w " gum2" tgrwdnkm{0" Chthonius heterodactylus" V ¾ o ¾ u x c t { . " 3 : : 4 " \* C t c e j p k f c < R u g w f q u e q t r k q p g u + h t q o " J t c p k e m 2 " E j c u o " c u " v j g " p e y " u r g e k u " q h " r u g w f q u e q t r k q p g u " h q t " h c w p c " q h " v j g " E | g e j " T g r w d n k e +0 Speleoforum 45< 5965 : \* k p " E | g e j . " G p i n k u j " u w o c t { +0

J C T X G [ " O 0 " U 0 " 4229 < V j g " u o c m g t " c t c e j p k f " q t f g t u < f l x g t u v { . " f g u e t r k q p u " c p f " f l u v t k d w k q u " h t q o " N k p p c g w u " v q " v j g " r t g u g p \* 397 : " v q " 4229 +0 Zootaxa 388 : < 58565 : 20

J C T X G [ " O 0 " U 0 " 422 ; < P s e u d o s c o r p i o n s o f t h e W o r l d . " x g t u k p 30 " 40 " Y g u g t p " C w u v t c n k p " O w u g w o . " R g t j 0 " j w r < l l y y 0 | o w u g w o | y c 0 | i q x 0 c w l t c e j p k f l u r u g w f q u e q t r k q p u l " \* c e e g u g f " 36 " H g d t w c t { " 4233 +0

E J T K U V Q R J Q T [ Q X f L 0 . H G P C R 0 . M T K T M V Q H \* M L 0 / 4 2 3 3 c < E j v j q p k w j w p i c t k w u c p f N c t e c h v c p g y v i q v j g h c w p c q h U n q x c m k \* R u g w f q u e q t r k p p u c E j v j q p k f c g . N c t e k f c g 0 A r a c h n o l o g i s c h e M i t t e i l u n g e n 6 3 < 3 6 8 0

E J T K U V Q R J Q T [ Q X f > Z ü ä c @ 5 J G ? : ' / : 9 8 C F D ' 4 2 3 3 d < C p ' w r f c v g f ' k f g p i k L e c v k p m g { ' v q v j g r u g w f q u e q t r k p u \* C t c e j p k f c ' R u g w f q u e q t r k p p u + q h ' v j g ' E | g e j ' T g r w d n k e ' c p f ' U n q x c m k 0 Z o o t a x a 4 : 9 8 < 5 7 6 6 : 0

O C J P G T V X 0 4 2 2 6 ' F k g ' R u g w f q u e q t r k p p g ' ' u y t g t k e j u \* C t c e j p k f c . R u g w f q u e q t r k p p u 0 D e n i s i a 3 4 < 6 7 ; 6 6 9 3 0

R T W P G T V N 0 " O M C R 0 3 ; ; 8 < U g | p c o ' q d e f ' c | g l k e j ' a u f x ' g u m 2 ' t g r w d n k e g ' v f u n f ' o c r q x e j ' r q m r t q u f q x 2 ' o c r q x ' p f 0 N k u v q h u g v n g o g p w k p v j g E | g e j ' T g r w d n k e ' y k v j ' c u u q e k c v g f ' o c r E g n f e q f g u h q t h c w p k u v k e i t k f o c r r k p i u f u v g o 0 M n c r c n g m k e p c 5 4 \* U w r r n g o g p w o + < 3 6 3 3 7 \* k p E | g e j . G p i n k u j ' u w o o c t { + 0

T C H C N U M K L 0 3 ; 8 9 < M e v c n q i ' H e w p f ' R q u m k 5 4 \* 3 0 ' c n g u e | q m k 0 ' R u g w f q u e q t r k p p k f c 0 ' R u g w f q u e q t r k p p u 0 R c u v y q y g Y { f c y p k e v y q P c w m y q . Y e t u | c y c . 5 6 ' r r \* k p R q n k u j + 0

T f i k M C X 0 . J C L G T L 0 ( ' \ C E J C T F C ' O 0 3 ; ; 7 < C t c e j p k f ' r q r w n k w p ' r c w g t p u ' k p ' w p f g i t a w p f ' e c x k w g u q h ' c u v p p { ' f g d t k u E g n f \* C t c p c g . Q r n k p p u . R u g w f q u e q t r k p p k f c . C e c t k ' R t q u k i o c v c . T j c i k f k f c g 0 P e d o b i o l o g i a 5 ; < 6 4 6 7 3 0

U E J O C T F C T . 3 ; ; 7 < E j g t p g u p k i t k o c p w u o g k p g h ä t f k g V u e j e j k u e j g T g r w d n k m p g w g R u g w f q u m q t r k p p t v \* R u g w f q u e q t r k p p u c E j g t p g k f c g 0 A r a c h n o l o g i s c h e M i t t e i l u n g e n ; < 8 3 6 8 8 0

U V G E M G T C 0 3 ; 9 6 < \ w t M g p v p k u u ' f g t E j g t p g k f g p h c w p c D 3 j o g p u 0 S i t z u n g s b e r i c h t e d e r K ö n i g l i c h e B ö h m i s c h e n G e s e l l s c h a f t d e r W i s s e n s c h a f t e n : < 4 4 9 6 4 6 3 0

TM f J N C X U M " H 0 4 2 2 3 < T M f t e k \* C t c e j p k f c < R u g w f q u e q t r k p p u + R t c j { 0 \* R u g w f q u e q t r k p u \* C t c e j p k f c < R u g w f q u e q t r k p p u + q h R t c i w g 0 M n c r c n g m k e p c 5 9 < 9 5 6 3 4 3 \* k p E | g e j . G p i n k u j ' u w o o c t { + 0

TM f J N C X U M " H 0 4 2 2 8 c < T M f t e k P a t q f f j q ' r c t m w R q f { 1 0 \* R u g w f q u e q t r k p u \* C t c e j p k f c < R u g w f q u e q t r k p p u + q h ' v j g ' R q f { 1 \* P e v k p c n R c t m 0 M n c r c n g m k e p c 6 4 < 3 8 9 6 3 9 : \* k p E | g e j . G p i n k u j ' c d u w t c e v + 0

TM f J N C X U M " H 0 4 2 2 8 d < T M f t e k \* R u g w f q u e q t r k p p u . C t c e j p k f c + E J M Q M q m q f p u m q 0 \* R u g w f q u e q t r k p u \* R u g w f q u e q t r k p p u . C t c e j p k f c + q h ' v j g M q m q f p u m q R t q v g e v f N c p f u e c r g C t c g 0 B o h e m i a C e n t r a l i s 4 9 < 3 8 3 6 3 8 7 \* k p E | g e j . G p i n k u j ' c d u w t c e v + 0

TM f J N C X U M " H 0 ( " F W E J f " X 0 4 2 2 3 < P e w g ' w p f ' y g p k i ' d g m c p p g ' C h v g t u m q t r k p p / C t v g p ' c w u ' f g t ' V u e j e j k u e j e p g T g r w d n k m 0 A r a c h n o l o g i s c h e M i t t e i l u n g e n 4 3 < 6 8 6 6 ; 0

TM f J N C X U M " H 0 ( " M T f U P " N 0 4 2 2 9 < T M f t e k \* C t c e j p k f c < R u g w f q u e q t r k p p u + F q p f j q R q x m e x f ' c R q f k r u m c 0 \* R u g w f q u e q t r k p u \* C t c e j p k f c < R u g w f q u e q t r k p p u + q h ' v j g N y g t X m v x c T x g t C t c g c p f v j g ' f r O 0 C t c g 0 B o h e m i a C e n t r a l i s 4 : < 6 4 9 6 6 5 8 \* k p E | g e j . G p i n k u j ' c d u w t c e v + 0

TM f J N C X U M " H 0 ( " V W H 0 J 0 4 2 2 ; < T M f t e k \* C t c e j p k f c < R u g w f q u e q t r k p p u + E J M Q N k v x g n u m 2 R q o q t c x f 0 \* R u g w f q u e q t r k p u \* C t c e j p k f c < R u g w f q u e q t r k p p u + q h N k v x g n u m 2 R q o q t c x f R N C 0 Acta Rerum Naturalium \* Lk j n c x c + 7 : ; 9 6 3 2 4 \* k p E | g e j . G p i n k u j ' c d u w t c e v + 0

TM f J N C X U M " H 0 ( " M T f N J 0 4 2 2 6 < M e t { q v | r g c p c n { u k u c p f ' c e j k c u o c v k e ' o g k q u k u k p ' r u g w f q u e q t r k p u q h ' v j g h c o k n { " E j v j q p k f c g \* C t c e j p k f c < R u g w f q u e q t r k p p u 0 J g t g f k v c u 3 6 2 < 6 ; 6 8 2 0

TM W O R E J L 0 . M T M C C 0 . V C L Q X U M " M 0 . F X Q f M O 0 . J N C X f " X 0 . V Q O C P C 0 . D G \ F M C R 0 . R k f i N X 0 . F W E J f " X 0 . F X Q f M K 0 . G E J N 0 ( " F W F [ E J C O 0 3 ; ; < X u n g f m { | q q n i k e m e j ' r t | m w o " x p ' t q f p f ' r f t q f p f ' g t g x c e k ' X g n m T m r k " m \* q m t g u ' L k j n c x c 0 \* T g u w m ' q h ' c ' | q q n i k e c n ' t g u g e t e j ' k p ' v j g ' p c w t g e ' t g u g t x g ' X g n m T m r k " m \* f k u v 0 L k j n c x c + 0 X n c i v k x f p " U d q t p f m X f u q k p . Q f f f n X f R f t q f p f e j 0 O w | g w o X f u q k p . L k j n c x c 3 6 : 3 7 7 6 3 9 7 \* k p E | g e j . G p i n k u j ' c d u w t c e v + 0

X G T P G T D c " 3 ; 7 9 < R f u r x g m m r q | p p h c w p { - v f t m \* R u g w f q u e q t r k p p k f c + R t c f u m 2 j q m t c l g 0 O w | g l p f \ r t x f R t c f u m 2 j q m t c l g 4 : : 9 6 : \* k p E | g e j + 0

X G T P G T R 0 J 0 3 ; 9 3 < R u g w f q u e q t r k p p k f c 0 J P s e u d o s c o r p i o n s 0 R 0 3 ; 6 5 3 0 K p < F C P I G N O 0 ( " G T P " X 0 \* g f u + c M n f | x f g p f U U T 0 F n K X f i g x w - m f . l c | f p c v m f . m n g r f v m c e k u g m a k . r c x q w e k . - v f t e k . t q / v q k 0 f k f g p i k L e c v k p m g f ' v q v j g h c w p c q h ' v j g E | g e j q u x c m k . X a n w o g k X Y e v g t d g e t u . R e p n c w q o k f c . C t c e j p k f u c j c t x g w o g p . u r k f g t u . r u g w f q u e q t r k p u . o k v g u 0 C e c f g o k . R t c j c . 9 6 8 ' r r 0 \* k p E | g e j + 0

UWO OCT [

E w t t g p m { " 5 : " u r g e k g u q h " r u g w f q u e q t r k p p u q h " 9 h c o k n k g u j x c g d g g p t g e q t f g f h t q o " v j g E | g e j " T g r w d n k e \* E j t k u v q r j q t { q x a v g c n 0 / 4 2 3 3 d + 0 C e t q u u v j k u t g n c v k x g n { ' u o c m e q w p t { . m p q y n g f i g q h v j g f k u v t k d w k p q h ' u r g e k g u x c t k g u u k i p k L e c p v n { 0 O q t g k p h q t o c v k a p c d q w w r u g w f q u e q t r k p p u k u c x c k n c d n g g u r g e k m { h t q o E g p v t c n D q j g o k c \* X g t p g t 3 ; 7 9 . F w e j a " 3 ; ; : . T M a j n c x u m " 4 2 2 3 . 4 2 2 8 d . " T M a j n c x u m " ( " M t a u p " 4 2 2 9 + " c p f h t q o " u q o g r r c t v u q h U q w v j g t p \* F w e j a " 3 ; ; 7 . T M a j n c x u m "

4228c+cpf"Egptcn"\*TM a jncxum " ("Vwh"422;+Oqtckc0"Hqt"vjg"tguv"qh"vjg"eqwptf{"vjgtg"ku" qpn{"urqtcfke"hcwpkuyke"fcvc"htq"gzco"rng"�wej a "3; ; ;3; ;6.3; ;. "Fwej a " ("Onglpgm"4226." T flk mc"gv"cn0"3; ;7.Uej o ctfc"3; ;7."TMw o rkej"gv"cn0"3; ;. ;. "TM a jncxum " ("Fwej a "4223+0"Vjgtg" ku" eq o rctcvkxgn {"nkvng" fcvc" cxckncdng" qp" vjg" rugwfqueqtrkqpu" qh" vjg" V gdq umq" rrtqygevfg" ncpfuecrg"ctgc"\*RNC+0"Vjg" o clqtkv {"vjcv"ku"cxckncdng"eq o gu"htq o "vjg"uvwf {"qh"vtgg" j qnmq yu" cnqpi"vjg"tkxgt" Pqx" a" gmc"pgct"Uv "d ge"\*Fwej a "3; ;5c+0" *Larca lata* " y cu" Ltuv"tgeqtfgf"htq o " vjg" E | gej "Tgrwdnke"fwtkpi"vjku"uvwf {"\*Fwej a "3; ;5c."d+0" C f fvkqpcnm {"vjg" Ltuv" E | gej "tgeqtfu" qh" *Chernes nigrimanus* "Uej o ctfc"3; ;7+cpf" *Microbisium brevifemoratum* "Ej tkuvqr j qt {qx" a" gv"cn0"4233d+ "cnuq" eq o g"htq o "vjg" V gdq umq" RNC0" Dgecwug" qh" nk o kvgf" kphqt o cvkqp" cxckncdng" qp" vjg" rugwfqueqtrkqpu" kp" vjku" tg i kqp. "vjku" uvwf {"hqewugf" qp" vjku" qt fgt" cpf" cpcn {" | gf" o cvgtken" htq o "vjg" o clqtkv {"qh" jcdkvcv {"rgu" vjcv" o ki jv" dg" wvknkugf" d {"fkhhtgtpv" urgekgu0" Vjg" o cvgtken" eq o gu"htq o "vjg" V gdq umq" RNC" kvugn {"cr rrtqzk o cvgn {"922" m o 2 dgy v ggp" 6; Å33 66: Å6: P" cpf" 36Å5: 637Å22 G+ " cpf" htq o "vjg" c flcegpv" tg i kqp" cr rrtqzk o cvgn {"dgy v ggp" gum2" Dwf lqxkeg." Rlugn" cpf" Ug | k o qxq —u" ¶ " Hki u" 3C.D+0" 552" urgek o gpu" y gtg" eqmgevfg" htq o "vjg" V gdq umq" RNC" cpf" 5; 2" urgek o gpu" htq o "uwtqwpf kpi" ctgc. "dgy v ggp" 3; ;5" cpf" 42330" Vjku" o cvgtken" kpenwfgu" 37" urgekgu" htq o "vjg" RNC" cpf" 38" urgekgu" htq o "c flcegpv" ctgc" \*42" urgekgu" htq o "8" hc o knkgu" kp" vqvcn+0" Vjg" o quv" htswgpv" urgekgu" kp jcdkvp i "vtgg" j qnmq yu" y gtg" *Allochernes wideri* and *Larca lata*0" Rtgw o cdm {"vjgug" urgekgu" rrtghgt" vjg" ft {"uwdvctvg" qh" j qnmq yu" k" qn" f" qcmu. "uwtqwpf gf" d {" cdwpcpv" Łuj rqp fu. "c" v {"rkecn" gp xktq o gpv" hqt" vjku" tg i kqp0" Qvjg" urgekgu" hqwpf" kp" vjku" ctgc" cuuqekcvgf" y kvj "vtgg" j qnmq yu" ctg" *Dinocheirus panzeri* and *Pselaphochernes scorpioides*0" Vjg" f kueqxtg {"qh" vjg" rrtqygevfg" *Anthrenochernes stellae* htq o "c" vtgg" j qnmq yu" pgct" Mxcuglqxkeg" y cu" k o rqtvcv0" Vjg" o quv" cdwpcpv" urgekgu" kp" vjg" ngch" nkvgf" y cu" *Neobisium carcinoides* " y jkej" hqt o u" 84 " " qh" vjg" o cvgtken" htq o "vjku" jcdkvcv" eqmgevfg" htq o "vjg" uwtqwpf kpi u" qh" vjg" RNC" cpf" : " " qh" vjg" o cvgtken" htq o "vjg" RNC" kvugn0" kp" vjg" uqkn" vjg" o quv" kpvtgkvp i "fkueqxtg {" y cu" *Microbisium brevifemoratum* " y jkej" ku" tcvjgt" tctg" kp" pgki j dqwtkp i "eqwptkgu0" kp" I gt o cp {"kv" jcu" gxgp" dggp" encuukŁgf" kp" vjg" tfg" nkuv" qh" gp fcp i gtg f" cpk o cnu" cu" c" i gqi tcr j kecm {"tguvkevgf" urgekgu" \*F tq inc ("Dnkm" 3; ;8+0" Vjg" tgrgcvgf" tgeqtfkpi" qh" vjku" urgekgu" htq o "vjg" uc o g" nqecn- kv {"kp fkecvgu" c" uvc dng" rqr wcvkqp0" Vjg" r tgupeg" qh" *Neobisium sylvaticum* " \*c" v {"rkecn" ngch" nkvgf" urgekgu+ " qp" upq y " u j q y u" kvu" cev kxkv {"cv" nq y" vg o rgtcvwtgu0" Vjg" o quv" eq o o qp" urgekgu" wpfgt" vtgg" dctm" y cu" *Ejgtpgu" j c jpkk.* " y jkej" ecp" dg" hqwpf" kp" vjg" rctmu" cpf" i ctfgpu" kp" o cp {"xknnc i gu" cpf" vq y pu" cetquu" vjku" ctgc0" Kp" eqpvtcu" vq" vjku" urgekgu. " *Chernes cimicoides* " y cu" qpn {"hqwpf" kp" hqtguvu" pqtvj y ct f" htq o " J nwdqm" a" pc f" Xnvcxq w0" Cp" gxgp" o qtg" tguvkevgf" fkvutkdwvqp" y cu" hqwpf" hqt" *Ejgtpgu" pki tko cpwu.* " y jkej" y cu" qpn {"hqwpf" kp" gtxgp2" dncvq" wpfgt" vjg" dctm" qh" *Pinus rotundata*0" Cp" g y " nqecnkv {"hqt" vjku" urgekgu. "Nqu" ¶ dncvq" \*Oktqejqx+. " y cu" hqwpf0" Oqtgq- xgt. "qvjgt" urgekgu" qh" kpvtgguv" y gtg" hqwpf" wpfgt" vtgg" dctm. "gurgekcm {" *Mesochelifer ressl* and *Nc o rrtqejgtpgu" ej j /gtk.* " y jkej" ctg" qpn {"mpq y p" htq o "c" hg y " nqecnkvku" kp" vjg" E | gej "Tgrwdnke" \*TM a jncxum "4223. 4228c. "TM a jncxum " ("Vwh"422; +0" Vjg" pw o dgt" qh" rugwfqueqtrkqpu" urgekgu" kp" vjg" V gdq umq" RNC" cpf" "kvu" c flcegpv" ctgc" ku" eq o rctcdng" vq" qv jgt" tg i kqpu" uvw fkgf" kp" vjg" E | gej "Tgrwdnke" <Rtc i wg" \*42" urgekgu+ \*TM a jncxum "4223+. "vjg" Rqf {I" Pcvkqpcn" Rctm" \*37" urgekgu+ \*TM a jncxum "4228c+. "Nq y gt" Xnvcx" tkxgt" cpf" vjg" ¶ r" O v0" ctgc" \*33" urgekgu+ \*TM a jncxum " ("Mt" up "4229+. "vjg" Nkvqxgnum2" Rq o qtcx ¶ RNC" \*33" urgekgu+ \*TM a jncxum " ("Vwh"422; +. "vjg" Mqm q ¶ pumq RNC" \*32" urgekgu+ \*TM a jncxum "4228d+0" I kxgp" vjcv" 8; " urgekgu" qh" rugwfqueqtrkqpu" ctg" mpq y p" htq o "pgki j dqwtkp i" Cwvutk. "kv" ku" hknmgn {"vjcv" hwvtjgt" tgugete j " y kmn" kpetgcug" vjg" pw o dgt" qh" urgekgu" mpq y p" htq o "vjg" V gdq umq" RNC0