

Summer 2010



A Peregrine Falcon in its hood, a Curlew below Oil on canvas - signed with monogram and dated `1844' - $36 \times 28 \ 1/4$ in. (91.4×71.7 cm)

William Brodrick (1814-1888)

Despite being the son of a barrister and having a degree in medicine from Edinburgh University, William Brodrick's fascination with birds of prey instead led him to pursue a career in falconry and taxidermy. His knowledge in both these areas inspired a talent in avian portraiture which he used to produce a collection of paintings and several books on the subject of falcons. Together with Francis H. Salvin, Brodrick published `Falconry in the British Isles' which was long considered the best falconry book. For over 3,000 years Peregrine falcons have been used in falconry beginning with nomads in Central Asia. In this painting, the hooded hunter perches near his conquered stone curlew; a popular quarry among Arab falconers.

> **Rowland Rhodes** Rountree Fine Art 118 Fulham Rd, Chelsea, London, SW3 6HU



Editors Forward

this evening was some reaction to that mate for subsequent breeding years. and recognition that my long hawking been very strenuous and is now relieved many falconers for values in terms into this period of rest. However it has of the falcon's natural protracted undoubtedly been very enjoyable and now gives way to reflection - somebody recently asked me what that might be? My whole falconry perspective is focused on the time of life for my falcon the falconer will have an objective with awareness that its performance mindset with a scientific outlook for changes naturally with age dependent understanding falconry as a process on experience creating its functioning neural pathways. It could be that it's the desired discipline. Most falconer's not just coincidence that so many young understanding of the dynamics of the birds die in the wild.

When wild falcons were the norm for falconry it used to be that trapped little related to traditional values of the passage hawks were trained and entered to rooks for the spring season. The initial part of training was often unhurried and guite long. After rooks the falcon would then be moulted before being taken up In general eyasses are fledged in July

oday I cleaned out an aviary again and retrained for a new discipline and reupholstered the perches, of game hawking by which time the limed the floor and walls then stood back creature was more than a year old, out and installed Fleur, my brown female of its juvenile mindset and developing Peregrine for her first moult. So that is into a mature psyche, naturally capable the hawking season, completed and in of establishing a relationship. In the wild recession for at least five months in my a hawk of this age, although still not routine focused upon game hawking. of mature mindset, would be showing Maybe my unexpected sleep on the sofa its first signs of interest in its potential sudden change in way of life routines In today's environment most of our falcons are captive bred in routines season, which started last July, has with little appreciation on the part of

development. Today's falconer is in general not so close to nature as in years gone by, with little pressure for closeness to natural values. In general in which training technique is seen as falcon is founded on the conclusions of science and athletic training techniques, sport but all simply adapted to fit an imposed concept of what falconry must be to conform to the modern falconers' way of life.



generally focused upon the start of the for achievement which unknowingly

may well miss many nuances of natural

what is 'falcon'.

progress and assume that occasionally they are just lucky in finding a star who has immediate success. Alternatively Please note my new e-mail address as some falconers have learned that it takes several seasons to develop a falcon into a consummate game hawk but few seem endowed with belief in the relationship they create and its importance to both Mobil. ++44 (0) 7885 769 054 falconer and falcon. In our modern E-mail. gyr.gyrcross@o2.co.uk

scientific world it is far easier to believe techniqueiseverything and that this creature will respond like a machine rather than have to focus on the creative process in the art that is falconry.

On a separate subject this is the second edition of our new style of publication - my thanks to all who have contributed and in particular to Janusz Sielicki for his help in printing and distribution. We have been asked to

and immediately enter a training regime make this Journal an available pathway for international publication of peer game season in August or September. reviewed research papers and at the In game hawking falconers are focused back of the Journal you will find the upon the demands of a 'waiting on' first of such contributions from Gail style of flight. Training techniques to Robertson. We hope that this does not maximize immediate success set goals limit other less formal contributions and include several such items of interest in the usual manner.

balance and rounded characteristics in By the time you receive this publication there will have been significant Most falconers seem to believe that it developments with regard to IAF's is somehow their own ineptness limiting status in relation to UNESCO which will be covered in our next edition.

below:

Anthony Crosswell

Editor, UK Tel / Fax ++44 (0) 1379 677 296



Cover picture courtesy of Andrew Ellis.

A portrait of his own falcon 'Missy'. The pair have become well well known in the field over the past three seasons to his many friends. This picture is featured in Ed Pitchers new book The Flying of Falcons and the picture is also available as a print via Andy's website:

www.andrewellispaintings.com



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8 The archives of falconry

lonoured as the IAF's third supporting member in 2009, The Archives of Falconry is highly important in reserving the historical archives of falconry



37 Nebraska Days

Nebraska, USA looking at the type of land and quarry hat can be found in this remote part of the world.



16 As it should be..

Mark Williams recalls a day's hunting huns in Canada where he is fortunate to have the roam of 30,000 acres of prime hawking land. Accompanied by his dogs ewis and Monty, a good days hawking was had

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IAF AGM 2010

Mojmirovce, Slovakia Sun 17th - Sun 25th October



Annual General Meeting of the International Association for Falconry and Conservation of Birds of Prey

Hosted by The Slovak Falconers Club

The AGM IAF meet in Slovakia will be held as a continuity of Czech and Austrian falconers field meet, as thelargest gathering of falconers in Central Europe. Delegates can plan their attendance on both large events and then be transferred to Slovakia. On 17th October in the city of Kezmarok-Vrbov on the foothills of High Tatras Mountains, a unique falconers meet for IAF delegates will start for those who are interested to see this specialized falconry style, hunting Roe deer and fox by Golden eagles. On the evening of 19th October an AC meeting will be held in Slovak cottage style restaurant during the Eagle hunters meet. All delegates will be transferred by Slovak delegates to the village of Diakovce, where in the thermal spa resort a National Slovak Falconers Meet will be held, together with the IAF meeting.

Evenings will be dedicated for meetings and parties in a large tent designed as a Slovak countryside village. Every delegate is welcome to join this large event and stay as long they can afford. We have planned a daily fee of 75 EURO which covers accommodation, food, local transfers in hunting fields and permits for hunting grounds. The AGM is planned as a friendly relaxed gathering with lots of opportunities to see real falconry and hunting. See below for an outline of the planned timeframe. Further details and a more detailed programme will follow.

Contact: iafslovakia@centrum.sk

DATE	PROGRAMME
6th to 10th October	National Field Meet in Opočno
14th to 17th Octobe	60th anniversary of Austrian Falconers Club
17th October	IAF MEET IN SLOVAKIA Arrival of IAF delegates, transfer from Austrian meet
18th to 19th Octobe	Golden Eagle falconers meet - roe deer and fox hunting
19th October	For IAF delegates - evening AC IAF meeting in Tatra Mountains
20th October	Morning arrival of IAF delegates on Slovak National Falconers Meet. Afternoon to relax in thermal spa
21st October	9am - Opening ceremony of IAF and Slovak National Falconers Club Meet. Day 1 of IAF meet and day 1 of falconry field meet.
11/1/19	4pm - Closing ceremony. Evening - welcome party in Grand Tent
22nd October	9am - Day 2 of IAF meet, afternoon falconry field meet 5pm - hunt closing ceremony 7pm - cultural evening welcoming guests
23rd October	9am - Day 3 of National Field Meet 5pm - closing ceremony 7pm - falconers party
24th October	9am - breakfast and departure

GENGHIS KHAN AND HIS FALCON

One morning, the Mongol warrior, Genghis Khan, and his court went out hunting. His companions carried bows and arrows, but Genghis Khan carried on his arm his favourite falcon, which was better and surer than any arrow, because it could fly up into the skies and see everything that human being could not. However, despite the group's enthusiastic efforts, they found nothing. Disappointed, Genghis Khan returned to his encampment and in order not to take out his frustration on his companions, he left the rest of the party and rode on alone. They had stayed in the forest for longer than expected and Khan was desperately tired and thirsty. In the summer heat, all the streams had dried up, and he could find nothing to drink. Then, to his amazement, he saw a thread of water flowing from a rock just in front of him. He removed the falcon from his arm, and took out the silver cup which he always carried with him. It was very slow to fill, and just as he was about to raise it to his lips, the falcon flew up, plucked the cup from his hands, and dashed it to the ground. Genghis Khan was furious, but then the falcon was his favourite, and perhaps it, too, was thirsty. He picked up the cup, cleaned off the dirt, and filled it again. When the cup was only half empty this time the falcon again attacked it, spilling the water. Genghis Khan adored this bird, but he knew that he could not, under any circumstances, allow such disrespect; someone might be watching this scene from afar and, later on, would tell his warriors that the great conqueror was incapable of taming a mere bird. This time, he drew his sword, picked up the cup and refilled it, keeping one eye on the stream and the other on the falcon. As soon as he had enough water in the cup and was ready to drink, the falcon again took flight and flew toward him. Khan, with one thrust, pierced the bird's breast. The thread of water, however, had dried up; but Khan, determined now to find something to drink, climbed the rock in search of the spring. To his surprise, there really was a pool of water and, in the middle of it, dead, lay one of the most poisonous snakes in the region. If he had drunk the water, he too, would have died. Khan returned to camp with the dead falcon in his arms. He ordered a gold figurine of the bird to be made and on one of the wings, he had engraved:

Even when a friend does something you do not like, he continues to be your friend.

And on the other wing, he had these words engraved:

Any action committed in anger is an action doomed to failure.

From Paulo Coelho's 'Like The Flowing River'

THE ARCHIVES OF FALCONRY

The IAF's latest Supporting Member

By S. Kent Carnie

S. Kent Carnie is the Founder/Curator Emeritus of The Archives of Falconry:

"At the IAF Annual General Meeting held in the UK last July The Peregrine Fund's The Archives of Falconry (TAF) was honored to be elected as the IAF's third Supporting Member organization. TAF was pleased to host the national delegates attending the IAF Annual General Meeting in Kearney, Nebraska in 2006. For those not Annual General Meeting in Kearney, Nebraska in 2006. For those not attending that visit or not already acquainted with TAF we offer the following description of TAF's own history and how we are going about efforts to preserve the history of our sport."





Kent's personal Gyr hybrid 'Sport'

any practice of the sport by the native we find a growing interest in the sport, peoples in North America. Falconry especially among young men associated here can be traced back literally as far with eastern universities. By the 1980's, as the voyages of Columbus (1495). however, we began to lose those early Subsequent brief practice by Spanish American falconers. With their deaths Conquistadores in Mexico and even correspondence, notes and old photos an early New England pilgrim-falconer were relegated to trash bins and more really had little if any lasting influence. than one fine old falconry book found its Records of those attempting to practice way to a neighborhood garage sale for the sport in the ensuing several centuries 50 cents or a dollar. The cause for this are rare indeed and their absence dissipation of the record of our history likely reflects a lack of both interest was simple enough: no one had elected and participation in falconry on the to collect it - there was no dedicated continent. With the origins of falconry repository. elsewhere in the world going back some Facing this loss, some of us became five millennia, the history of the sport concerned. nothing if not brief.

article in 1920 finally aroused a more had no place, no physical facility to than passing interest in the sport house anything. Second: to collect our in some. It provided an accessible sport's memorabilia, some of which reference in an era when falconry books represent significant monetary value, were both expensive and difficult to find donors needed at least the potential for

We can find no tangible evidence of on this side of the Atlantic. By the 1930's

Our North American in North America clearly can be termed Falconers Association (NAFA) was the logical place to start. There we faced A handsomely illustrated magazine two problems however. First: NAFA

some sort of compensation. We had no source of funds from which to reimburse contributors for valuable books and art. The logical alternative was to use the tax deductible system offered by the US government for charitable donations to approved non-profit organizations. However, since NAFA actively engages in lobbying to influence the regulators of our sport, it does not qualify for such tax deductibility.

In contrast, The Peregrine Fund (TPF) -- a body founded by dedicated falconers concerned with the Peregrine's decline -- filled all needs. As hard-core falconers, TPF's founders readily recognized the need to save our historical record. TPF had recently built the World Center for Birds of Prey in Boise, Idaho, i.e. it had a permanent physical facility. Finally, TPF already had federal tax deductible

In late 1985 I proposed to The Fund's Board of Directors the establishment of a falconry historical archives within that organization, dedicated to the collection and preservation of the physical evidence of the history of falconry in America. That proposal was accepted with the caveat that while such an archive would function as an integral part of TPF's organization, it would - uniquely - have first 19 years, I was the sole resident, of TPF's financial supporters might be my first year's salary: \$1.00. go not to the restoration of endangered The Fund and our sport.

World Center for Birds of Prey. During



The "Archives of American Falconry", in its entirety, 1987.



Within special archival boxes, correspondence and other papers are filed in individual acid-neutral folders.

to be financially self-sustaining. Many salaried member of the archives staff;

concerned if their donations seemed to Since that first year we have continually expanded. Early on we became the raptors but instead to the preservation official repository for NAFA's corporate of the history of this field sport; this records, though the association retains despite the very strong ties between formal ownership. By 1991 we had to add an 800 square-foot wing onto TPF's Working under that caveat, the Administration Building to house our "Archives of American Falconry" was expanding collections. Recognizing that formally launched in 1986. That first such an undertaking cannot function on year we moved into a closet-sized office annual gifts alone, between 1991 and in the Administration Building at the 1996 we successfully campaigned to establish an endowment fund to provide that year eight falconers provided ten interest to meet annual operational accessions of historic materials. Two of expenses. Today through the generosity those accessions were sizable libraries. of falconers, the Archives Endowment The widow of a recently deceased Fund has reached nearly a million dollars. falconer gave \$20,000; half we banked By 2001 too, we had outgrown the - for our future. The other half we used 1991 wing and we raised an additional to buy archivally suitable cabinetry half-million dollars, again all from the and filing materials and to allow me to falconry community; these funds were attend special classes for the beginning used to build a modern, dedicated 4,000 archivist. Then, as for The Archives' square-foot facility at The Fund's World

















The Archives of Falconry today; here the Library and Display Room.

Center for Birds of Prey.

Archives collections now include what printed up to the year 2000. at approximately three million dollars, collections. again all either donated by falconers Wenowprovideourquarterly'newsletter' falconers for that purpose.

introduction to the sport, the day-To date over 1,200 donors have to-day diary of the Craighead twins' provided us with more than 2,100 experiences in royal India in 1940 and, accessions of historical materials. most recently, the rarest of English These have ranged from a single -but hawking books, a text from 1603. Only most appropriate - postcard to whole one copy of the latter was known to libraries of first editions. In addition exist before our reprinting. We are to personal correspondence, diaries now at work preparing Volume IV in the and photographs passed on to us from series for printing, a bibliography of all American falconers, past and present, the English-language books on falconry

we believe to be the world's finest library Other such programs include of falconry-related books in the English establishment and maintenance of a language. We also have manuscripts, Wall of Remembrance honoring falconers translations and periodicals, as well as who have passed away, an oral-history art: originals, prints and sculpture. Our recording program to preserve the holdings of equipment include not only remembrances of the older generation some elegant, and historic hawking of falconers and an electronic silent bags but over six hundred hoods dating auction annually making available to back over the past century and a half. the falconry community books received Current Archives collections are valued which are duplicated in archives

or purchased with funds donated by electronically to keep those interested up to date on Archives' activities.

Beyond the more normal archival For much of the first decade of our activities reflected in those collections, Archives' existence, I conducted my The Archives undertakes a number of curatorial duties alone from my home in additional, history-related programs. New Mexico. As The Archives expanded, In 1999 we commenced an 'Archives however it became essential that I move Heritage Publications' series and to to Boise to deal with the organization's date have printed three books: an activities on a daily basis. I received an early, previously unpublished American inordinate amount of support from John

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Top: The archivally-approved steel cabinetry and special, acid-neutral filing boxes used at the Archives. Above: One of the cabinets containing personal correspondence, diaries and notes. Included in this cabinet are the diaries of Canadian falconer Frank L. toward their exhibition. These two gifts, Beebe covering the years 1932 through 2002 in addition to others of his papers.

falconer.

Although originated as the 'Archives While almost all of our support to of American Falconry', many of the 2004 had been provided by members materials which have made their way of the American falconry community, into our collections came from early the success of our endeavors has American pioneer-falconers. In their encouraged the support of others within days, there were no American falconry the international community, witness books, no American falconry art, nor that of H.H. Sheikh Mohamed. We look

any locally made equipment. The result was/is that a sizeable portion of our holdings are of foreign origin. Already more than aware of that situation, the receipt of two major gifts, the British Thornton gilt-silver commemorative tea urn of 1781 from staunch Archives supporter Bob Berry and a Bedouin Arab tent from the generosity of His Highness Prince Mohamed bin Zayed Al Nahyan through the Emirates Falconers' Club in Abu Dhabi, reflected the fact that we had, in fact, moved from a national effort into a truly international undertaking. Considering this international scope and our then-unique position in the world, at the start of 2004 we re-christened the former 'Archives of American Falconry' as 'The Archives of Falconry'.

Receipt of the two major gifts which had focused our attention on our international status, the Thornton tea urn and the Arab tent noted above, also helped alter the focus of our efforts. Heretofore, we had dealt with the collection and preservation of historic materials, with only minimal effort however, called for appropriate display. The Thornton urn is unique as well as of great historic significance. If its Swift who, while never in residence in acquisition caused us concern regarding Boise, contributed so much, assuming the its place in British falconry history, that role of Curator of Books and Manuscripts. concern was overshadowed by the fact We have been joined over the years by that it had found no takers when offered a number of prominent falconers living for sale in Britain well before its arrival elsewhere, often abroad, as Research at TAF. The tent was accompanied by Associates who assist TAF's efforts with the wherewithal to construct an entire significant advice and support. Shortly wing devoted not only to documenting before my ostensible 'retirement' in but displaying the significant role of our 2007, handing over the reins to John Bedouin heritage. While the tent itself is Swift, TAF finally succeeded in adding hardly unique, the resulting combined a trained administrator to our 'staff'. As stunning Arab heritage display is unique, an experienced library administrator, at least in the western world. Giving The David Wells brings much to TAF's efforts Archives a much more 'museum' aspect beyond his administrative abilities, than previously, such an attraction having become a real part of the team earned us over 5,000 visitors from despite having no desire to become a among the general public in the first year of those displays.



Above: While the traditional Arab goat-hair tent is its focal point, the Arab Heritage Wing goes much further in demonstrating the significance to our sport of our Middle Eastern heritage.

Right: The exhibit devoted to Colonel Thornton goes well beyond simply displaying the famed commemorative silverailt tea urn.

forward to a significant expansion of by which we foreign involvement in our future but can only with the understanding that we are the NOT attempting to usurp the national of treasures of others. Our hope is to see informed as to each country with its own archives, our continuing collecting and preserving those materials efforts to preserve the physical evidence which comprise your heritage and of the sport. Significantly, it also offers which make unique your own history a conduit by which we can provide and approach to the sport. What TAF national member groups with advice does seek internationally, instead, are and assistance in forming their own samples, copies or duplicates of those archives, based on our almost quarter materials which make your own falconry century of preservation efforts. It also unique so that we may more completely gives all a channel through which other represent the whole of international members can assist in adding to our falconry.

in the IAF provides an expanded means falconry heritage! *

keep world falconry

collections.

organizations to visit TAF's facilities, while materials put into any archives whether for the purpose of in-depth are, by definition, physical in nature they research or simply to enjoy with us the in fact reflect and actually substantially astounding historical materials included expand upon the significance of those in our collections. Our new membership rich intangible aspects of our worldwide

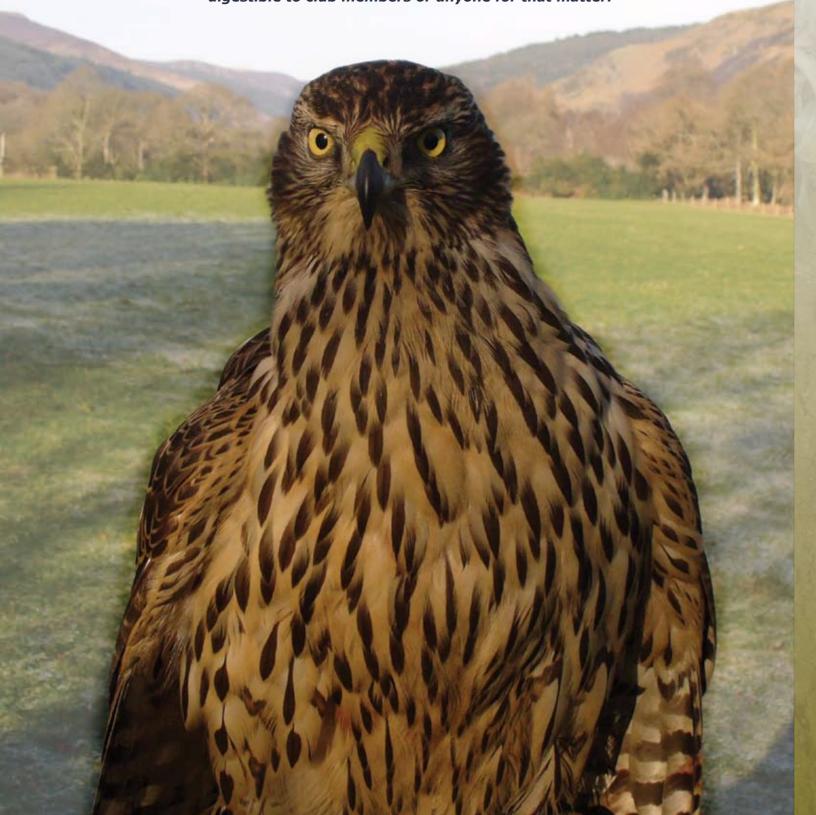


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The History of Falconry in Ireland

HILARY WHITE

This article sets out to summarise what is known about hawking and falconry on the whole island of Ireland, regardless of whatever political situation was defining its borders at the time. With this information condensed, it is hoped it will be more easily digestible to club members or anyone for that matter.



Eric Dempsey's thorough and engrossing nowhere to be found until the 12th book Ireland's Lost Birds has a wealth of Century, when it would seem the arrival information on this subject, especially in of the Anglo Normans finally secured the chapter about the Goshawk, which falconry's place here, albeit amongst will be looked at later. Where other the nobility. of looking at raptor history and cultural references while ignoring the etymology and reverence that was directly as a he not undertaken the task. For this, he has none but the best breed of falcons. is due a debt of thanks from the falconry community here.

Liam O'Broin's The Sparrowhawk: A They were so good in fact that a roaring Manual For Hawking, itself something trade opened up. Raptors, particularly of landmark in the development of the goshawk, became a valuable modern Irish falconry, has a chapter in commodity, something to be harvested, which Liam charts what is known about and subsequently used to pay rent or the sport's presence here, detailing the people and places that emerged through his rigorous research. It makes for fascinating reading, and when I was younger, always gave me a sense of legacy and cultural continuity from those who had gone before.

The history of Irish Falconry is a nebulous subject. It has very often been looked at as something that simply went on here from time to time, something transient that was occasionally brought by visitors. This is not quite the case, as we will see. Meanwhile, Irish raptors were much in demand.

But how far back can we look to see an interaction between man and hawk for the purpose of actual hunting? The difficulty lies therein – for example, Eric Dempsey discusses fossil evidence of an interaction with Goshawks. Remains of these once common accipiters have been found in Mount Sandel, Coleraine (c.7000 BC), and Dalkey Island, Dublin and Newgrange in the Boyne Valley (c. 3000BC). But was this true falconry? Regardless of whether it was or not, it indicates that man and hawk certainly dwelled together in some capacity.

The earliest known reference to falconry is in the Irish text Betha Colman Maic Luachain (The Life of St Colman Maic Luachain) in the 7th Century, in which the King of Tara is described as having 'da seabhac selga', or two hunting hawks. Actual falconry references are

authors have often fallen into the trap At this point, the country already had a reputation for providing the best hawks available at the time. A Welsh monk, Giraldus Cambrensis wrote in his book result of falconry, Dempsey not only Topographie Hibernae (The History acknowledges it, but reveals so much and Topography of Ireland) about the more than we would have known had abundant game and raptors: 'Ireland Those inferior falcons commonly called by the name lanner are absent.'



to gain political leverage with overlords. The Faucon next for high attemptes, A lucrative black market soon emerged. in glorie and in fame, It got to the stage that by 1481, stiff The Tarsell then ensueth on, levies had to be imposed on trappers good reason tis that he: and tradesmen: 'Whatever merchant for flying haukes in Ireland next, shall carry a hawk out of Ireland shall the faucon plaste should bee. pay for a peregrine 13 shillings four The Trasell is gentels course in nexte, pence, for a tiercel six shillings and eight the fourth peer of the lande: pence, for a falcon ten shillings and the Combined to the Faucon, with poundage upon the same price.'

But legislation existed even before this. The pretie Marlion is the fifth, Reginald Talbot, in 1218, was heavily to her the Sparhauke nexte, fined for illegally trying to smuggle a and then the Jacke and the Musket goshawk out of the country at Dalkey. laste, In 1386, during the reign of Richard II, by who the birds are nexte. against the export of raptors, and breed, rigorous searches took place to curb in fertile Irish grounde: black market trade.

A 14th Century document from Kilkenny wing Castle details the only three types of elsewhere be hardly founde... payment. Elizabethan falconers prized *Image of Ireland*.) falcons from Cape Clear off Cork, the natural history of Leitrim in the its return. 17th Century, says: 'The woods are full Things really took off sport wise in of large and excellent timber: and well the mid to late 18th Century. There stocked with excellent goshawks.' In his are records from 1762 of Lord Bandon book Falconry or Hawking (Edited and having a mews of hawks and a falconer by the name of William Tardisse who had in Kildare began to be exploited as a this to say about our Goses: 'But truly key destination for rook and magpie there is no goshawk more excellent than hawkers. Captain Salvin was based at that which is bred in Ireland in the north the Curragh military camp in 1857. He parts, as in Ulster, and in the County of and John Barr, falconer to Maharajah Tyrone.'

birds available in Ireland sums up the papers to get beaters on board and sentiment at the time:

The Goshawke first of the crewe deserves to have the name

a lovers friendly bande.

a proclamation was made at Drogheda These are the haukes which chefly

whose match for flight and speedie

hawks that were to be used for rent (From by J Derrick's 1581 book The

and Horn Head in Donegal. In 1531, In the mid 1600s, Charles II's viceroy Archbishop Cromer, the Louth-based Lord Ormonde established Phoenix park Bishop of Armagh, presented a cast as a Royal Hunting Park just at the edge of hobbies to Henry VIII. The Earl of of Dublin city. The sight was stocked Thomond at Bunratty Castle, Clare, has with deer and pheasants for hounds his signature on legal documents from and hawks. A high wall was built around 1615 in which the rights to his harvest it to keep game in and poachers out. of goshawks are made legally binding. The park was finally handed over to the This was serious stuff - raptor stocks people of Dublin in 1745. Meanwhile, actually written into the law. In the late in 1693, a newspaper called the *Dublin* 16th Century, an inventory had even Intelligence carried an ad for a lost been written up of Gos nests in Kerry and hawk belonging to Lord Capall, offering Limerick. Thomas Molyneux, depicting a handsome reward of 30 shillings for

Transcribed by Derry Argue), George at Ardfert Abbey in Kerry. Around 1800 Tubervile refers to one French falconer or so, it would appear that the Curragh Dhuleep Singh, became fierce magpie A Tudor poem describing the falconry hawkers, advertising meets in local reportedly nailing 184 magpies with two tiercels in four months. EB Michell refers to woodcock hawking in Monaghan, while Salvin was joined by names like



sport on the Curragh.

in Ballymanus, Co Laois.

undocumented whether or not Yeats lines such as:

Broderick and Lascelles for continued actively participated in falconry. What is known, however, is that he would often It is around this time that we come to watch wild falcons from his spiritual the formation of the first Irish Falconry home of Drumcliffe in Sligo. His family Association. In 1870, 212 Great may also have socialised with the Brunswick street, Dublin played host Coopers of nearby Markree Castle, Lord to a meeting chaired by Lord Talbot de Cooper himself a keen austringer. Yeats Malahide to establish the Irish Hawking also had a fascination with Japanese Club. The aforementioned Dhuleep Singh culture, which often featured falconrydonated £50 towards the fund. After related images. Much is written on the that, no records survive of what went poet's use of the falcon and falconer on. Eventually, the present club was metaphors, some perhaps missing the reconstituted in 1967. Before then, the point, or unaware of the presence of hawking parties came and went. William falconry around the time Yeats was in his Rutledge and Jack Mavrogerdato went formative years. The falcon and falconer lark hawking with former IHC president remain vibrant symbols of matters close Dr George Luke in the west and north to Yeats' heart, particularly his torment west. Ronald Stevens and Philip Glasier over the unrequited love of Maud Gonne would visit Willie McDougald at his home - the falcon is the unhindered, wild companion, ranging and wandering as One hopes that they were aware of the falconer strives, in vain, to attain the use by Nobel Laureate WB Yeats total mastery of her. The falcon is of falconry imagery in his post-war emotion and the falconer intellect. In poems at the start of the century. It is The Second Coming (1920) we have

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Turning and turning in the widening 'I will not be clapped in a hood,

The falcon cannot hear the falconer; Things fall apart; the centre cannot Hovering over the wood In the broken hold; Mere anarchy is loosed upon the mist

The blood-dimmed tide is loosed, and everywhere

The ceremony of innocence is drowned;

The best lack all conviction, while the Dumbfounded before a knave, worst Are full of passionate intensity.

However, it is in The Hawk (1919) that levels:

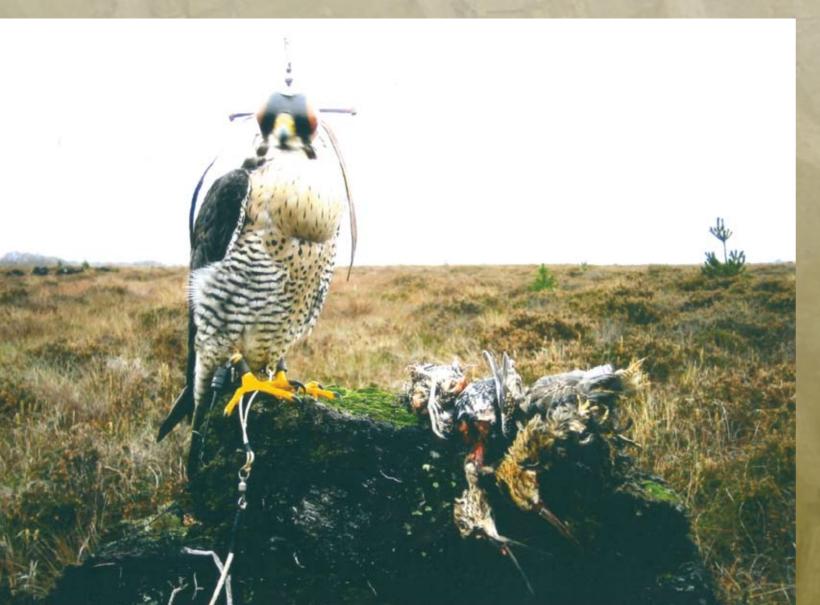
Call down the hawk from the air; Let him be hooded or caged Till the yellow eye has grown mild, For larder and spit are bare, The old cook enraged, The scullion gone wild."

Nor a cage, nor alight upon wrist, Now I have learnt to be proud

Or tumbling cloud.'

'What tumbling cloud did you cleave, Yellow-eyed hawk of the mind, Last evening? that I, who had sat Should give to my friend A pretence of

the falconry metaphor is taken to new It is arguable that Yeats meant to say 'cadged' rather than 'caged' in the second line of the first stanza. Another raptor reference, presumably instilled by his time in Sligo is his little-known one-act play At The Hawk's Well (1916), in which a dried-up well on a desolate mountainside is guarded by a hawk-like woman.





The author, Hilary White.

should adopt falconry imagery is similar temperament to the peregrine. fraternised with falconers to attain such Mayo. insight into the relationship.

his move to Ireland, his search for a Oughterard. he was fishing.

falconers from all across the world. books which I mentioned earlier.

Stevens not only inspired generations through his classic treatise Observations on Modern Falconry and The Taming of Genghis, but also imparted much knowledge on to a privileged handful of Irish falconers, particularly the Hon Johnny Morris. The two accidentally invented the hybrid falcon in the 1960s, when Stevens became frustrated with trying to breed peregrines and asked Morris if he could try the tiercel with Morris' Saker falcon, a bird sourced by the then Iran-based US falconer Kent Carnie. The pair got on famously and hatched out two males that first year. Letters of congratulations and intrique

That one of 20th-Century literature's arrived from around the world. Stevens most revered poets and dramatists and Morris flew one each, noting a unsurprising and not entirely original. A further three were bred the following But unlike Shakespeare, who used year, this time including a female who hawking as a tool and a set of symbols, stunned the two men by her size. This Yeats probed right into the heart of the bird appeared on the glove of Charlotte falcon-falconer dynamic, and leaves us Rampling in the John Boorman film with a sense that he must have at least Zardoz. She was lost by Stevens in

In his later years, Stevens' eyesight No history of Irish falconry would be began to fail and falconry became less complete without a mention of Ronald practical. He moved to the smaller, Stevens, unquestionably the guru of the more manageable Bunagipaun, closer sport in modern times. Stevens came to to the village of Oughterard. He died in live in Connemara in the early 1960s, 1994, leaving some money to the IHC settling in the remote Fermoyle Lodge. which went towards a breeding fund. A In a letter in the British Falconers' Club hooded falcon sat on the glove of Johnny journal, The Falconer, Stevens describes Morris during the funeral ceremony in

remote place where 'my hawks can fly Hopefully this has provided an overview without risk of being sniped at' and his of Ireland's falconry heritage. It hacked Jerkin coming to sit on a nearby remains to be seen what new details are rock 'above the tumbling waters' while uncovered on the topic, of which many must still exist. For those who would Despite his best efforts, his house like to have a more detailed account of became something of a Mecca for what we know, I refer them to the two

Dempsey, E., Ireland's Lost Birds. Four Courts Press, 1999 O'Broin, L., The Sparrowhawk: A Manual For Hawking. Old Abbey Books, 1992 British Falconers' Club, The Falconer 2002 Anniversary Edition. BFC, 2003



NEW PROSPECTS FOR TREE-**NESTING PEREGRINES IN CENTRAL** AND EASTERN EUROPE - THE LAST VICTIMS OF DDT-ERA

By Janusz Sielicki,

European Peregrine Falcon Working Group, www.falcoperegrinus.net



In Central and Eastern Europe the German success Peregrine Falcon was nesting on trees, using nests of other large birds. The around 4000 pairs.

enormous area from northern Germany, countries - Denmark, southern Sweden, Lithuania, Latvia, Estonia and southern appeared alternately with groundnesting.

in the trees, Peregrines significantly widened the scope of its potential. The dominant types of nesting of Peregrines Peregrines from captive breeding were worldwide are nests on the rocks, rock shelves and on the river cliffs. This type birds were relocated to forests from of potential nesting site are almost wild nests in cities. In that Project, five missing on the area of tree-nesting hacking stations were used and most Peregrines.

In around 1950 there was a catastrophic more than 60 were allocated in nests of decline in Peregrine populations due wild Peregrines through adoption. to DDT contamination and the treenesting population virtually vanished. of this initial population is slow. In 2009 The last known tree-nests of Peregrines the total tree-nesting population in were found in the mid 1960's and since Germany was circa 25-30 pairs. In all that time only single isolated cases of other countries of former tree-nesting Peregrines nests on trees were known. area, including Poland, there is no single That ecotype disappeared in the entire pair known. There are some possible area of its existence - from Germany, Denmark, Poland and Belarus to Russia, as well as in the southern basin of the there is not clear. Baltic Sea.

There are isolated cases of Peregrines nesting on the trees outside the historical occurrence of tree-nesting ecotype. However these did not lead to a creation of an area with such a dominant form of nesting.

The first reintroductions aimed at the restoration of the tree-nesting ecotype size of this population is estimated at started in Germany and Poland in 1990. Different experimental methods were The tree-nesting population occupied an used however a more effective program has proved to be pursued in Germany. Poland and Belarus to the forests of The German project was conducted by central Russia, as well as on the Baltic the German Peregrine Working Group (Arbeitskreis Wanderfalkenschutz e.V.) in cooperation with the German Falconers Finland. In the north that ecotype Order (DFO - Deutche Falkenorden e.V. - which provided the project with young Peregrines for reintroduction) and the By adapting the nests of other birds Hunting Corporation of Mecklenburg-Vorpommern.

> Since 1990 a total of almost 400 released, and in addition more than 100 of the birds were released by hacking;

> The first nest was found in 1996; growth nests on trees in Russia, near the Ural Mountains, but the status of the nests

> At the end of May 2010 AWS in cooperation with Landesumweltamt Brandenburg (environmental authority of the federal country Brandenburg) organised a meeting under the topic "The successful finish of the project of reintroduction of a tree-nesting

wooded lowlands of middle Europe". Our German colleagues decided to close prospects to start a project in Belarus in 2010 the reintroduction of captive and Lithuania were presented.

bred Peregrines. In one reintroduction In the evening Prof. Dr Christian Saar site they will continue releasing birds

relocated from nests in cities. Many prominent ornithologists and

falconers from Germany (including most of DFO Board members) took part in the meeting in Rheinsberg-Kleinzerlang, with the presence of many tree-nesting Peregrine population. quests, including Prof. Tom Cade and a Most of the results presented at the delegation from Poland and Belarus.

During the meeting our German hosts presented a theoretical background of the project based on imprinting (Prof. Dr Wolfgang Kirmse), the most important results of individual marking scheme (Dr Gert Kleinstäuber), methods used for releasing Peregrines (Paul Sömmer), an overview of work of five release stations (Wolfgang Köhler, Holger Gabriel, Günther Röber and Silvio Herold), the story of a single tree-nesting Peregrine pair in Nordrhein-Westfalen (Thorsten Thomas and Dr Peter Wegner) and future plans of the AWS concerning management of the newly established tree-nesting population (Dr. Torsten Langgemach).

During the meeting there were also presentations by foreign guests. First Prof. Dr Tom Cade presented a brief history of Peregrine recovery in North America and told about the tree-nesting Peregrines around the world, especially in the Australian province of Victoria and discussed the potential for the current re-established population to expand on its own into unoccupied forest habitats. Next, Dr Günther Trommer and Pawel Wieland from Poland presented historical data on Peregrines in Poland and the first years of Polish Peregrine Project.

Janusz Sielicki and Sławomir Sielicki from Polish Society for Wild Animals "Falcon" presented the overview of 20 years of efforts to restore the tree-nesting population in Poland with discussion of results so far and presented the new Polish Peregrine Project, which new rules are based on German experience. The Peregrine reintroduction in Poland will be remodelled - only a small number of hacking sites will be used and there

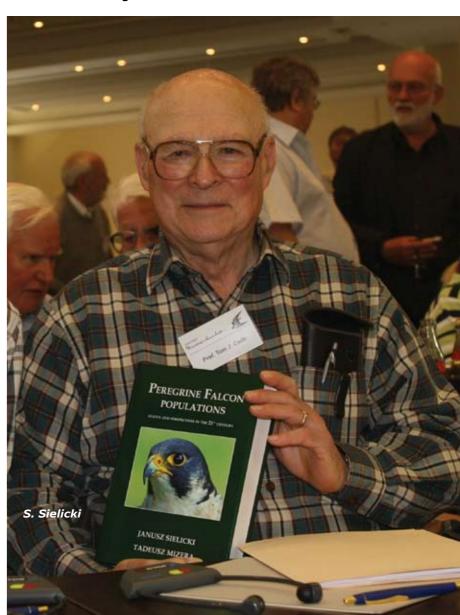
population of the Peregrine in the will be a preference to release males. In addition to the Polish project, the

> presented a fascinating slide show and spoke about the history of Peregrine breeding and reintroduction in Germany. Later on Dr Gert Kleinstäuber, Paul Sömmer and Henry Lange presented the stories of all nests in newly established

> meeting are included in the book "Peregrine Falcon Populations - status and perspectives in the 21st Century" edited by Janusz Sielicki and Tadeusz Mizera (www.falco.strefa.pl).

> The next day was extremely interesting - attendees had a unique chance to visit tree nests of wild Peregrines, take part

Prof. Tom Cade at the Tree-nesting Peregrine Conference with the book from the Peregrine Conference in Poland.



in ringing chicks and releasing of last The German tree-nesting population is captive bred Peregrines in this project.

Project for tree-nesting Peregrine important area is Poland. in Central and Eastern Europe

After the Peregrine Conference Poland in European Peregrine Falcon Working 2007, the IUCN / Birdlife International were asked by the European Peregrine plans to intensify reintroduction aimed Falcon Working Group to take into at the tree-nesting population, also in account the very special situation of neighbouring countries. 2010 is the first tree-nesting populations in lowland year of the Polish Peregrine Project in Central and Eastern Europe. In general its new form; to achieve the aim it is the Peregrine Falcon as a species necessary to conduct the project the has the status of 'Least Concern' as new way within next few years. assessed in 2008. A new description We started to discuss the possibility of of the Peregrine conservation status obtaining Peregrines from Germany, as changed in 2009 says that this species the tree-nesting reintroduction there as a whole is not threatened, but the was closed. There is a general consensus tree nesting population is an exception, which needs further active protection: "Significant further efforts are needed to fully restore it across its former range, which included Germany, Poland, Russia, Belarus and the Baltic States" (www.iucnredlist.org).





a seed for restoration of this ecotype in its whole former range. The next most

Society for Wild Animals "Falcon" and Group, together with Polish falconers,

on it, including good relations with DFO and Prof. Christian Saar (who run a breeding project aimed for the treenesting population in Germany) and preliminary positive opinion of German authorities. The final decisions should be done in the autumn of 2010.



Clockwise from above: Janusz Sielicki with a just-ringed Peregrine from the tree-nesting population in Germany; Young Peregrines are lifted to the nest-cage on the tree in Wloclawek by Slawomir Sielicki; chicks in the reintroduction cage.





Kleinstauber with ringed wild chicks from the Peregrine tree-nest; Janusz Sielicki and Frank Skaarup Hansen releasing Peregrines in Poland; Peregrine chick with a satellite transmitter, which will help us to understand their life.



The second option for the future is be their responsibility. cooperation with University of Goteborg Sweden.

in Poland is the co-operation with Danish a crucial for its success.

Hawking Club and Zoo of Aalborg, which funded few young Peregrines for Polish reintroduction in 2010 and we very much hope for continuing this cooperation in future.

As Belarus is the next area important for the tree-nesting population, the Polish "Falcon" Society started co-operation with Belarusian Bird Protection Society APB. We visited Minsk to meet the ornithologists interested in Peregrine, financed a falconry course in Poland for two young ornithologists who learned basics about handling birds of prey and financed a trip of Alexander Vintchevsky to tree-nesting meeting in Germany. This all is aimed to prepare official programme for Peregrine reintroduction in Belarus.

There are also some plans to start the reintroduction of tree-nesting Peregrines in Lithuania. In both cases the Polish "Falcon" Society plans to help our colleagues with practical training in Poland and then in obtaining birds from breeders in Europe, while local costs and organising the reintroduction will

With all those new plans there is a big in Sweden, which is soon closing its hope that the tree-nesting Peregrine Peregrine reintroduction project in ecotype will come back to most of its former range. The help of the falconry Another support for tree-nesting project community and breeders in this plan is



PARTRIDGE HAWKING IN BELGIUM

By Patrick Morel

Apart from the elusive woodcock, the partridge is probably the most difficult upland game to capture with longwings in our region; it requires perfect knowledge of its habits, life cycle and feeding behaviour of each covey.

Biology of the partridge

are undergoing gradual but sure decline especially foxes. over several decades.

The partridge is a lowland bird, sociable, it is almost always located in the living in coveys which call each other immediate vicinity of the field where it at sunrise and at sunset. It can be was born. The partridge is considered found both in small fields near homes part of 1% of birds that are 'faithful' (Flanders, Hainaut) or in the huge and genetically monogamous. The areas of monoculture as in the plains of partridge is prolific and is the bird that Brabant and Hesbaye; though generally produced the largest clutches (15 eggs everywhere, from the late fall and on average) but it is also a fragile bird winter, like grouse, they tend to cluster experiencing the highest mortality due near houses.

The partridge is a sedentary bird, flying too cold or too rainy spring and also due low over the ground, except when it to natural predation.

moves to its staging area at sunrise The partridge is a symbol of the great and sunset or to escape a predator. The plains and as a sedentary small game favourite roosting places are ploughed bird it is most exciting. It has a sedentary stubble but also the edges of fields, lifestyle, precisely enabling us to realize adopted as a strategy of preventive the obvious - the partridge populations defence against nocturnal predators,

The partridge is a very territorial bird; to enduring the rigors of harsh winters,

Behaviour and life cycle

The family association of the covey is coveys remain grouped in one area until February / March when the birds separate to mate. The life cycle of the partridge is divided into two periods characterized by two very different attitudes: a social intolerance towards other cogeners.

Behaviour towards predators

direction from the brood, meanwhile making survival more difficult. tricks are more limited. The covey can flatten to the ground and one parent can itself and draws upon itself the falcons' flushes at an opportune moment.

Feeding behaviour

winter cereals (over 60%) is high. Its dung of horses. Increasing the size habitat is very connected to humans of agricultural enclosures has limited since the partridge endures changes field edge effects, both for nesting and of scenery modelled by agricultural partridges adapt to their environment of food for chicks during the first three and the various changes it undergoes weeks of their lives. Dwindling winter feeding for example). In summer, partridge enjoy a wider variety of food such as insects and return of seeds of populations which have seen their all kinds. In autumn, seeds of cereals numbers decline steadily since the late are still numerous. In winter, on the 60s, while their productivity has seen a contrary, there is nothing left; partridge noticeable decline related primarily to then eat green grass or winter cereals. reduced survival of chicks during their Spring is the time of year when green first six weeks.

food peaks. The low calorific value of green foliage in relation to grain means extremely strong and parents care for that the partridge must ingest three their brood for a long time until the times more green leaves than of grain to time of pairing in spring. Partridge fight against the cold. This explains the importance of winter artificial feeding.

Declining populations of partridges

The partridge, once common throughout Western Europe, saw its population group (called the Covey) and a highly decline mainly due to agricultural developed life pairing marked by great practices. The causes of the decline of the partridge are multi-faceted: the partridge is integrated in an environment in which people interact with animals The most sensitive period of breeding and plants in more complex ways so that is the confrontation with a predator. It same environment is profoundly altered involves setting up a defence system by human activities. This complexity varied with the type of predator, age is already in relationships that bind and size. In young birds, it means the partridge to its environment, its cowering on the ground at a signal from diet since changing from one regime their parents to hide in the nearest of insects to herbivore in adulthood cover. If the danger is more pressing, whilst also adapting to the seasons. a parent may simulate an injury like a The partridge, dependent on human broken wing, leading in the opposite practices, has seen its habitat change,

the other parent leads the young away. Several factors have affected populations When there is a winged predator, the of partridges: disappearance of their favourite nesting habitats (grubbing hedges, land levelling, levelling of the sacrifice and attract attention to itself. slope), lack of adequate food for chicks In falconry, too, especially early in the (because of the massive spraying of season, sometimes a parent sacrifices herbicides and insecticides), scarce cover in winter and higher predator attack, saving the covey which then numbers. Monoculture has replaced mixed farming, extreme mechanization replaced draft horses, speed and efficiency replaced the slow pace of The partridge densities are high when the nature. Indirectly, the use of the tractor percentage of grain crops and especially has removed natural fertilizers and insects which are so important because seasons. In fact, in terms of food, adult they are the almost exclusive source (crop rotation or the presence of artificial cover in addition exposes partridge ever more to predators.

All these "advances" affected partridge

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Partridge as 'quarry' for falconry.

the falcon and is "THE" game of choice horses, natural fertilizer contributed to for the waiting on flight. With its compact the presence of insects and partridge size, average weight: 390gr for males and 380gr for females, the partridge is the ideal game for the smaller falcons and tiercels. It is a cautious quarry, crops. The 'chicon' (witloof in Flemish) fast and flying well. In our region it is, or 'endive' nicknamed the 'Belgian white undoubtedly, the guarry that contributes gold' is the name of a typical Belgian most to making high flying falcons. It plant obtained from roots of wild chicory. is also the game bird that is best for pointing dogs. For these reasons, it has heated by stoves, covered with soil and always been highly prized by waiting on regularly watered. After several weeks falconers.

The partridges are more or less nervous developing. depending on the type of terrain: very sociable around homes and in mixed farming areas where they coexist with humans daily, they are extremely wary in monoculture. The slightest suspicious opportunities for escape and also pretty movement, such as slowing a vehicle, is short and less high flights! Flights and detected and the birds are alert. When kills were many (it was normal to have previously flown by a hawk, unlike 5 or 6 flights each afternoon, often with pheasant, the grey partridge does not multiple reflushes). The quarry book fly unless forced to do so; the flight is numbers were high: around 200-250 long and true. In general, when they take off, the entire covey takes off.

the partridge requires perfect knowledge November). of both the ground and patterns of every covey, and manoeuvres worthy of a military strategy are required along spotting. We were sure of finding with perfect discipline of the falcon.

If the partridge holds well on point at and we ran down the fields under the the beginning of the season, it is no waiting on falcon. We did not let the longer the same after a few weeks and falcons get too high because the risks the falconer must change tactics and fly of checking on pigeons were ubiquitous on 'assumption or speculation'.

in Belgium

As in many places in Europe, waiting on flights in Belgium were deeply affected by the change of habitats.

with my friend Gilles Lafosse, we flew are carefully quartered and observed our falcons mainly in Flemish Brabant through binoculars or telescope. The enclosed polyculture biotope with a game, land and habitats, because it is very high density of wild partridge (at not always easy to identify the head of a the opening of the hunting season, it partridge when flattened in a field. It is was common for hunters to harvest 1 important to know the habits of game, partridge/ hectare!)

acres), often poorly cared for, lined with hedgerows and embankments. The partridge is a special attraction for Ploughing was done primarily using draft were numerous everyday despite the proximity of many people working on their knees in small plots of 'chicory' The chicon is put into small iron tunnels in dark and warmth, white leaves are

> The terrain was slightly undulating sloping fields with grassy slopes or a hedge on each side of field.

This polyculture gave the game a many partridges average each year with a team of 2-3 falcons; the season lasted As stated in the preamble, the flight of two months (early September to early

The flights were mainly made on a 'presumption / speculation' or by partridge - hawks were put on the wing (Flanders is fatherland to the racing pigeon), nevertheless, we had often to **Evolution of flight of the partridge** recover our falcons on their prey, almost always a racing pigeon not very far from its loft!

'Visual flight' is to catch the game after spotting from a vehicle. The plain is When I started flying in the mid 60s, traversed slowly, using a vehicle and fields (25km north of Brussels) in a rather search requires a good knowledge of the to know that game is more active at the The plots were very small (a few beginning or end of the day because it



aid its digestion (gritting).

quiet car is only a slightly disturbing left to flush. group is not flushed and is not disturbed failed. This can be beneficial for a young may be of value.

of birds) and develop the best strategy occurrence of any threat. The reactions most suitable bird for the flight (e.g. analyze the situation in a moment, a young hawk to put on a covey of considerall possible scenarios, anticipate falconer choosing the best time to flush under the hawk.

is in search of food or gravel it needs to on pairs without young or small coveys. Sometimes, in cases of premature flush There are advantages of this type of from the covey, a preliminary count will approach: the identification from the know that there are still one or two birds

process for the quarry: usually only the Excellent binoculars or a telescope of covey spotted is disturbed if it is flushed. high quality is essential equipment. If conditions do not look good, the The key element is the quality of the optics and image clarity with respect unnecessarily. On sites with high density to the preferred magnification. A good of partridges, it is sometimes possible compromise is a pair of 8x32 or better to identify two or more coveys and 8x42, 10x32 or 10x42 combining provide a 'second chance' that will allow magnification sufficient to excellent a second service if the hawk would have brightness and lightness (650gr to 850gr).

falcon in training when a second service How do we proceed? Birds in the open are very suspicious, and a covey has Screening allows the identification of always one or more guards whose role the field study (counting, wind, position is to alert the whole group upon the calmly, plan an attack and choose the of the falconer must be fast: he must young birds or in case there is a need the direction in which the game will of a 'second chance' flush). The service fly away and decide if the opportunity can be done with some precision, the presents itself for the quarry to be "flyable" or not .

Putting the falcon on the wing is This type of strategy offers excellent the crucial point: if the falconer has commitment (number of birds, age, misjudged the situation, it will often gender etc) and better management of be the moment of "now or never" for populations, for example by not flying the game which takes the opportunity

to escape, taking wing immediately. We the flight develops. aim to pass the partridges by several The falconer moves in a zigzag direction hundred meters before stopping if across the wind, to centre the hawk and possible ahead of the group. The get it overhead. Once it has reached distance should be carefully estimated its pitch, the falconer slows down the as partridges are worried enough to hawking party, stopping whenever the clamp to the ground and not move, hawk is downwind of the field. If she is but without being too afraid to fly that up in the wind or vertically above, the early. The preparation and equipping of partridge is most evasive because the the hawk and putting on the wing are falcons' strike happens too fast to allow done on the opposite side of the vehicle her to manoeuvre; alternatively, if she from the partridge - this has the double is up in a headwind, the falcon will bind benefit of hiding the falconer from the to its quarry, taking advantage of its partridges and avoiding showing the preference for trussing of its prey. hawk to them whilst it is still lacks aerial With experienced hawks, we make the

Once the hawk is on the wing and has field will be working into the headwind, started circling to gain height, if the dogs pointing normally. This implies that game did not fly, the situation presents the hawk rides the wind and passes in itself differently. The falcon soon has front of dogs. the height so as to constitute a threat The CAP (Common Agricultural Policy) the position of the falcon and the impossible before mid-November. falconer's change of position and / or In the late 1970s, we changed territory his assistants. The falconer must adapt and we migrated to the plains of the his advance based on his interpretation Hesbignon Brabant, ideal habitat for

same manoeuvre, but into the wind. The

quickly enough to block the partridges has led to land consolidation. Small plots from taking wing. The anxiety and of several acres have been replaced by nervousness caused by the falconers' several hectares of crops and maize has approach are offset by natural fear of emerged and gradually cannibalized the falcon. The balance will change all production and currently covers in one way or another depending on over 50% of our area, making hawking

of the direction in which the balance of waiting on flights and famous for large

rolling plains, without barriers or pylons. Influence on predation: studies show to hunt in shoes!

ranging field trials: large flat or gently

disappearance of the gamekeepers. The overwinter. result was immediate: the fox, unknown What now? Compared to the sixties, destroyed and their mode of destruction completely disappeared. night shooting).

was general euphoria for a few years ... feeding that has been their saviour. then the side effects were not long in In places where partridge have replaced the wild stock.

The dangers for wild game coveys are: farmed partridge. development of various cycles of manager! parasites. Thus, when to the point of being released, game farming is still a carrier of infection, just waiting to proliferate during the period of stress and deprivation due to changes during This area is ideal for waiting on flights: release. These are real bacteriological and parasitic diseases bombs that could infect wild populations.

Introduction amongst endangered wild birds with captive breeding stocks with a depleted genetic makeup (this is the result of farming after several generations).

Behavioural changes are vital: in farmed birds, some hereditary traits essential Crop rotation and crop plots: for survival in the wild can be altered On this land, crop rotation is usually

captivity.

The plots were much larger (several that predators do not regulate prey : on hectares to several tens of hectares). the contrary, the opposite occurs. The Again, as elsewhere, the regrouping of introduction of farmed birds is a prime lands had wreaked havoc and, in many target for predators, increasing artificial places, "beautiful" plains, ideal for prey population resulting in parallel waiting on flight, turned into a veritable increase of predator populations. game desert. The sunken lanes were This is the case in my territory where filled and concreted; it is now possible the harriers (especially the cicrcus aeruginosus) have made an appearance One other major cause of declining in force after the release of farmed birds partridge numbers has been the on which they specialize. They stay all expansion of predators following the autumn and weather permitting, they

in my youth in the southern area of the partridge has declined by 70% the Sambre and Meuse, multiplies and to 90% depending on the region. In is ubiquitous throughout Belgium. In many places, particularly in the finest addition, the game laws have changed consolidated holding plains of Hesbaye and many 'pests' cannot lawfully be and Walloon Brabant, it has almost

is strictly regulated (prohibition of most In the few places where there are a 'indiscriminate' traps and prohibition of few remaining wild stocks, it has been primarily conservation of existing We then arrived at the 'miracle' solution: natural habitats (hedgerows, fallow bridging the gap in natural production land, slopes, sunken lanes) or replace by supplementing with farmed game. habitats lost by the creation of shelter Wild populations of yesteryear were, in belts and the development of fauna fact, initially, well reconstructed. There friendly crops and use of supplementary

coming: the partridge breeding brought disappeared or territories with too low diseases and gradually eliminated and densities (less than 5 couples/100ha), the only solution is repopulating with

Health-Pollution: the high densities To continue flying partridge the hawker of animals in farms promotes the has no choice: he has to become a

Example of managing of a territory in Brabant

an area of one block of 800ha in the middle of a 1500ha plain, surrounded by 3 villages, slightly undulating, without poles, fences, power lines, rich in partridge and hares until the late 1970s (the usual harvest at the opening of the hunting season was over 600 partridges in two days - 0.75 partridge / ha!).

or eliminated in a few generations in a three-year rotation of sugar beet or



chicory (25-30%), wheat (25-30%), development (variety of food, shelter winter barley (25-30%) and alternating against the weather and predators). potato or peas (15%). There is fortunately little or no maize or rapeseed
Intercalary bands culture (1-2%). Green manure (mustard, Several bands of intercalary hunting winter by migrating thrushes).

the territory with partridge.

census of wild populations: all coveys map. This map has been kept updated throughout the season and has led, for example, to identify young couples without young and helped determining provided gravely harrowing results: thirty partridge remained (4 patridges/ 100ha)!

It was necessary to determine the find a pantry well stocked! capacity of the territory and ensure its Grass strips of fallow land fauna

ryegrass ...) seeded after the harvest cultures, planted in the direction of of winter crops (July) to fix nitrogen, prevailing wind, in strategic locations in provides food for game and cover with the territory. These strips have a corn protection from predators in autumn, narrow width (8 to 10m) and a length at a time when no other land provides corresponding to the length of the cover. Two rows of fifty meter hedge are parcel along which they are positioned the only persistent natural habitat in the (175 to 300m). The purpose of these area (they are attended daily in fall and strips is to break the monotony of large parcels (often 40 to 50 ha) and in the case of maize, to recreate a "hedge" The objectives were to repopulate in a few months. These hurdles are of course artificial and miss the rich fauna The work initially started by an accurate of natural hedges, but they can attract the partridge, with the edge effect they have been identified and recorded on a generateby offering them food and shelter against bad weather or predators. The anti-predator behaviour being taught by parents, which inevitably has a strong impact on the successful resettlement the exact number of birds of each covey, of released birds, we must 'educate' which is an important element for good the birds and give them the opportunity management practices. A spring census to shelter from predators. One of the main predations on my territory is that by the harriers, numerous during the migration and often wintering as they





slope ...). They are planted with a mixture made from 70% grass and 30% legume. Their width is 8 to 10 meters. They are maintained till harrowing in Restocking spring. These bands are of interest by Wild populations being close to the amount of insects they contain and by the addition of green food in winter.

Establishing feeders

practices provide limited available food and a covey of partridges is placed close resources: few natural plants other to where they are usually held in a than those grown, less grain left on the cage. If the pair starts hanging around ground after harvest, earlier ploughing the cage, it is just opened and usually or disking burying any food. To address the pair adopts young. These wild good example of simple and inexpensive defending the partridges and teaching management.

to the grain arising at the bottom of the mothers. bucket. The feeder is suspended 25cm from the ground on an iron or wood are spread over the territory. The 'callers'. Releasing cages are placed in

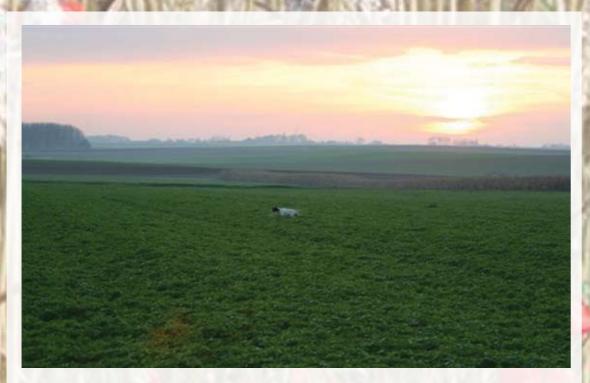
These are grass strips located on the feeders are placed at fixed locations edge of cultivated fields to establish accessible by 4x4 along the road or transition zones between crops and their along the edges between cultures and near environment (fences, streams, visited once a week. This makes for ease of handling, time saving and least disturbing for the fauna.

extinction, we had to deal with the repopulation by farmed birds.

Farmed partridges are released early in the season (August) in different ways: For partridges, modern agricultural Wild couples without young are identified the scarcity of food, artificial feeding is a pairs are very helpful in protecting and anti-predator behaviour.

The system I use for artificial feeding is The best way to establish farmed birds made of a hung plastic bucket with a lid is rearing partridges under bantams tightly closed as a hopper with access and to release them with their adoptive

Otherwise, partridges of 10 to 12 weeks are placed in coveys of a dozen birds in support to limit access to rodents such small cages to release with two adults. as rats and to prevent the germination After a few days, the cages are open and of wheat. Type of food: wheat, oats, partridges can leave the cage while the barley and cracked corn. Thirty feeders adults are held in one half of the cage as



strips or hunting cultures).

are provided and spread over the whole the sky as starlings and disappear!) territory.

Hawking farmed partridge

The reactions and behaviour of farmed partridges are not the same as those of making high mounting falcons. their wild counterparts. As said above, The manoeuvres are also somewhat wild partridges are gregarious birds, different from those adopted for wild living in coveys; they stand on their guard and fly away as soon as danger threatened. The indigenous birds always on a assumption flight, it's purely come back near the place that gave speculative: the falconer takes the risk them birth.

and they have not the same concept almost certain to present an opportunity of territoriality and leave the country to attack the quarry. When using a dog, if hunting pressure is too high or if it is released after the placing the falcon their flight takes them into uncharted on the wing and when it is high enough territory.

The farmed partridge bond to places This implies a high flying bird and where they find shelter and food or near patience since the flight is often delayed where they were released if the cages with the risk, firstly, not to reward the retain the 'callers'. Coveys of farmed bird and, secondly, to flush the game at partridge have less intolerance towards an inopportune moment – also of course others and often come together to form there is a danger that young hawks 'packs' of 50 birds or more.

Less attached to locality, they also often check. have higher but also longer flights (1.5km Once the falcon has reached its pitch, or 2km!) which take them sometimes cover is searched to flush coveys that

sheltered areas (edges of crops, fallow back! It must therefore be taken into account and avoid flying in strong wind. Of course, points of feeding and watering (I have seen coveys climbing as high in

The falconer must seek to limit the number of services to one single flush for one covey which maintains the double advantage of preserving the game and

partridges. Early in the season, the hawk is flown on supposition. When of flying over familiar territory because This is not true of the farmed partridge he knows the density of game and is to dominate the game on the ground. get bored and take the opportunity for

outside the country without coming fly in groups and will often land in

gaining a higher pitch (300m to 500m) and for the ones who cover the broadest the wild ones. territory (the ones which have the best efficiency cone).

The following of flights are usually Attitudes have changed, the modern of the quality of the flight. The flight 30% flying his falcons! flushing.

Once a dog is on point, the tactic is to partridge in the nose. walk towards the dog without worrying It is certainly regrettable, but in the the wind, the hawk quickly learns to - other times, other manners! be well placed upwind and at its best How times have changed, our it is important to avoid following them ago, densities of wild partridge were and to reflush them several times - for important and allowed many flights without fail you will soon see the game every day and large 'scores'. It was also leave the territory.

record of feints and delaying tactics.

on released partridge are always young or inexperienced hawks, not to easier than those on wild ones, but I reflush the quarry. noticed that in many cases, the falcons Farmed partridge never will replace wild them empty-handed more often than ways, been beneficial for the quality of they wish!

several neighbouring fields. In cover I also have the opportunity to fly twice such as a field of maize, especially if it is a week on another ground in Flanders flushed by a dog, the flight of partridges where there are only wild partridges. is almost always uncertain and, in most These partridges are particularly difficult cases, occurs when the hawk is in a to fly as most of the ground is covered bad position. This forces the falcon to by maize fields in which partridges tend anticipate the flight and compensate by to hide. Besides this, the ground is located adjacent to Brussels airport and to 'control' its territory. If the falcon high pitches are dangerous with landing misses her attack, she is called down planes. Nevertheless, my falcons mostly to the lure. The first flight is generally perform in the same way as they do on reserved for the highest flying falcons farmed partridges and regularly catch

Conclusion

achieved over a dog on point: groups of hunter had to adapt and become partridges tend to disperse into coveys primarily a manager; the falconer in neighbouring fields (beets, chicory or also had to become a manager. This green manure). In ground cover, the management task is obviously very work of a pointer is the basis of the time, energy and labour demanding. waiting on flight; it is the key element Currently, the falconer spends 70% of of the floor show and the guarantor his time managing his territory and only

implies perfect knowledge of the dog The 'purist' falconer that I am also ... and total confidence in his qualities: regrets the replacement of the flight the falconer must be sure that the over a pointing dog by a 'spotting' flight game pointed is of the 'feather' and not or flight on assumption. The long car-'fur'. The dog must also be of perfect drives and hours of spotting will never obedience in order to avoid premature replace the thrill of the quest for the dog, frozen on point in alfalfa, with scent of a

about the position of the falcon or evolution of time! 'O tempora, o mores'

pitch! Partridge often fly towards their behaviour as a falconer also has favourite shelter. As mentioned above, adapted considerably. Twenty years normal to flush and reflush the partridge Defences of farmed partridges are several times, often at the expense of obviously lower than their wild the pitch and quality of flights. Since counterparts who know the least part the 1990's, the falconer also had to of their territory and have an amazing adjust the focus and quality of flights, he forced himself to make only one It is tempting to believe that flights flight per bird, and except in the case of

of visitors are confused by this flight ones, but I noticed, unexpectedly, that different and often longer from that of the reduction of wild partridge and their their wild counterparts, which leaves replacement by bred birds has, in some flights! 🤏

URBAN AND SUBURBAN **GRAY HAWK**

(ASTURINA NITIDA)

NESTING IN A GREAT SAN SALVADOR AREA. EL SALVADOR. (AVES: FALCONIFORMES: ACCIPITRIDAE)



Gray Hawk (Asturina nitida) breeding pairs were observed during their breeding season in urban and suburban areas of Great San Salvador city. This is the first breeding report for this species and the first urban breeding report for the Order Falconiformes in El Salvador.



There is very little information recorded about for El Imposible National Park between March and raptor occurrence and population dynamics in El Salvador.

It is stated in Ley de Conservación de Vida Silvestre de El Salvador, that the sustainable use of the fauna resource can be done in such a way biological diversity in the long run (Art.3). In this area, the Ministerio de Medio Ambiente y Recursos Naturales (MARN) is the responsible body to realize or validate this research in order to know the actual status of our natural resources (Art. 5). The "Proposal for a Hunting Regulation" (MARN 2006, unpublished data), recognizes Falconry as the art of hunting wild prey by the means of trained scheme as well as allowing a wild raptor take for Falconry purposes. Beyond these demands, the present research was realized.

Although there is an economic and geographical range limitation, this study is a call for future research and intends to show that this species can be sustainably used in Falconry.

Dickey and Van Rossem (1938: 114-116) do not show any nesting reports, but suggest that the breeding season is from March to April, and location for their breeding range is in open fields with scattered trees and secondary growth forests. J.N. West provided two definite nesting reports

June (West, 1980). Breeding season is reported from December through July by Ferguson Lees between Costa Rica and Surinam (Ferguson-Lees 2001:646-648) who also reports green material in the nests, and describes them as platforms located that it does not produce an adverse effect in the 10 to 30 meters in height in branch divisions or lateral branches, 2 (1-3) eggs per clutch, 32 day incubation period, and 42 days until fledging. Asturina nitida nesting has also been described by Bibles, Glinski and Johnson who recorded that in south Arizona nests were concentrated along rivers and creeks of the Gila River stream, and in Texas, along Grande River. They describe their nests as a compact structure usually in the top raptors, and suggests the use of a Falconry license of Cotton trees. The same authors state as well that Mesquite trees (*Prosopis spp.*) are a primary requirement for breeding. They also registered that males of this species apparently select their foraging places based on forest structural characteristics that increase prey vulnerability, instead of selecting areas with higher prey density (Bibles et al, 2002).

> During the years 2006, 2007, 2008 and 2009, observations were made on the location of Asturina nitida breeding pairs in the south and west parts of urban and suburban areas of San Salvador city, Department of San Salvador, El Salvador. This is

the first documented nesting record for the Order than that of West for El Imposible National Park. Falconiformes in an urban area in El Salvador. This document provides a report about Asturina nitida occurrence and breeding activity in the highest urban concentration in the country.

Materials and Methods

Observations were made by visual and audit exploration in highly vegetated areas or from panoramic sites. Three nest reports were obtained through a post on the internet forum of Grupo de Observadores de Aves de El Salvador. Observations were made with 7 X 35 Bushnell Medalist Binoculars. A vehicle was used for moving in the city. Reports and nest locations were confirmed by breeding pair activity in the nest and by fledgling presence. Geographic locations for the nests were recorded using Google Earth software.

Results and discussion

Fifteen active Gray Hawk nests were detected in the south and west parts of San Salvador city in urban and suburban areas. The nests were found in variable situations ranging from partial isolation human movement. This report is higher in number Carranza. Also notable is the use of the food

This demonstrates that the species has adapted to living in growing cities, taking advantage of the food resource available and probably of the habitat structural characteristics as suggested by Bibles et al., and that probably this species population is growing and expanding in range in this habitat. This also demonstrates that this species can be used and captured in a limited quantity in the range of this research.

Many questions arise about total population in the urban area and in the whole country, population density and dynamics, and about the comparison between urban, suburban and agricultural areas where the species is also common. Other questions arise about other raptor species that were occasionally observed during this research as Buteo magnirostris, Buteo brachyurus, Elanus caeruleurs y Falco peregrinus of which no documented occurrence or nesting records exist. The chick's easy adaptation to an unnatural environment is very notable as is shown by nest 9 located in a palm tree in the middle of Alameda Manuel Enrique Araujo, major vehicular traffic in a suburban area to places of maximum car and artery, and by nest 1 located over Calle Venustiano



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compile and complement the information from adult and immature birds.

Table 1: Location of 15 Asturina nitida nests in the south and east areas of San Salvador city.

resource that could be reptiles, feral pigeons or Rescue Centers that receive many individuals of rodents as well as the diseases accompanying this this species each year, and which's analysis could provide valuable information about new localities, Lastly, and no less important, there is a need to breeding success and more common threats to

	Location	Coordinates	Height
Nido 1	Parque Zoológico	13°39′17″N 89°12′48″W	20 mts
Nido 2	Finca Manderley	13°41′02″N 89°11′39″W	20 mts
Nido 3	Jardín Botánico La Laguna	13401070- 89145259	20 mts
Nido 4	Km. 5 ½ a Planes de Renderos	13394238- 89115249	15 mts
Nido 5	Parque Lomas de Altamira	13402878- 89130874	15 mts
Nido 6	Estación CEL San Antonio Abad	13433965- 89135106	15 mts
Nido 7	Finca Holanda	13410506- 89120993	20 mts
Nido 8	Cantón El Carmen, Col. Escalón	13423748- 89153362	15 mts
Nido 9	Alameda Manuel Enrique Araujo	13413351- 89134822	20 mts
Nido 10	Finca Navarra	13404437- 89124916	20 mts
Nido 11	Restaurante El Rosal, Col Escalón	13422866- 89144702	15 mts
Nido 12	Embajada Americana	13395128- 89155798	
Nido 13	ISSS 25 Avenida Norte	13421661- 89121044	
Nido 14	Colegio Guadalupano	13423498- 89121573	
Nido 15	Lomas de San Francisco	13404030- 89135718	20 mts

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Nebraska Days



WILLIAM F. JOHNSTON, JR. USA

Falconry, a most ancient craft often becomes much more than a simple pastime for some. The real hard core are obsessed with it, the challenge, the never achieved quest for perfection, the love of the birds and the environment of the hunt. We all know falconers who never married. A prospective wife, or husband would never accept a preoccupation that so divides a spouse's attention and that absolutely couldn't be competed against. One solution is to marry another falconer and share a common interest. What works well for many is a supporting wife, or husband who doesn't practice the art, but tolerates it in their mate. We all know of falconers who have relocated, some to another country, for improved sport. Often falconers sacrifice a career, opting for a less demanding profession so as to spend more time in the field. There are those that only fly on weekends and some, if possible who will fly their birds every day.

I find myself spending much more time with my always welcome to come along as beaters. birds or in falconry related activities. You know it's Several years before retirement I purchased a

I came late to the sport and so fall somewhere that I didn't sacrifice time with my children, or in between although since I retired six years ago spare any expense. The kids by the way were

sad when one becomes so one-dimensional that second home in Nebraska to improve the quality anything non-falconry is either a chore or boring. of my falconry. Of course, I also had to buy a My falconry started some 40 odd years ago when vehicle suitable for the transport of falcons, dogs in my late twenties with a wife, child, mortgage and equipment. I can rationalize it all by pointing and a demanding occupation but that isn't to say out that hobbies are good and lots of people

for the colder, snowier months.

Following the last ice age, prevailing there, I have often seen temperatures

have one. My brother-in-law owns two winds blowing in from the west brought houses, one on a golf course in Maine for huge amounts of sand creating vast the summer and the second in Alabama dunes, their wind eroded contours now more or less stabilized by a covering of My place in Nebraska is located near grass and other plants that collectively the Sandhills so named for the rolling account for 720 species of which only grass covered dunes and hills that cover seven percent are exotics. The sandy approximately one quarter of the north soil makes farming in the Sand Hills central part of the state. In the United largely unproductive so much of the States, Nebraska is about dead center region has been left as virgin prairie. and Arnold, Nebraska is located dead It is to this area and in grassland in center of the state. I bought in Arnold surrounding valleys and tableland that primarily because of an abundant and "chickens" roost and nest. The climate available population of Greater Prairie can range from a typical low of - 40 Chickens to hunt nearby. The Sandhills degrees Fahrenheit in winter to 110 are one of the most unique areas in degrees in the summer. Wind born snow the world. Spanning almost 20,000 can easily drift to 20 feet, or more. Wide square miles, it is the largest sand dune variations over a short period of time formation in the Western Hemisphere. are not unusual. In autumn when I am

in the low twenties in the morning I could discern was that they seemed to become sixty in the afternoon. Wind be coming and going from their feeding is a constant problem, although early areas all day long instead of the ritual mornings are generally calm.

It is in the low areas and tables that most In 1883, Richard Allen formally day, morning and night.

Nebraska's soil has been farmed the use of technology, the number of since prehistoric times, but the Native residents began to shrink to the present Americans of the plains, notably the where the town boasts a population of Pawnee, devoted themselves more barely 600. Farms that once consisted to hunting buffalo than to farming in of several hundred acres worked by times when buffalo and pronghorn were many people now cover five, six, seven abundant. The Homestead Act and thousand acres, or more with far fewer the close of the American Civil War in people working them. 1865 saw a western migration of people The area in and around Arnold is ideal wanting to settle and farm the fertile longwing country. Lots of wide open lands of the American Midwest.

Nature has seldom been kind to the pheasant population, ducks before the people of Nebraska. Ranching was freeze and of course prairie chickens. It especially hard hit by the ruinous cold in is to the harvested crops that chickens the winter of 1880 – 81 and farmers were come and it is to these same areas plagued by insect hordes from 1856 to that falconers come to test the mettle 1875, by prairie fires and by the recurrent of their birds, considered by most to droughts of the 1890's. Many were be the most formidable, difficult and faced with financial ruin so that today challenging game bird for falconry in abandoned farm buildings, outbuildings North America. Prairie chickens are easy and homes still dot the landscape. Five to find, easy to mark, and easy to flush, years ago the area was hit by one of often without the aid of a dog. As with the worse blizzards in almost 40 years. all true grouse, Tympanuchus cupido It was the last weekend of November have a bony plate in their backs that a and I was not prepared for the wind and falcon often strikes without affect. They blowing snow that lasted for three days. also have a barrel roll wobble that they Once the storm moved on one could see employ just before the bird attempts to irrigation pivots that had been toppled bind which causes the falcon to miss, in the 90 mph winds. Cattle were lost, sometimes by inches. As I was traveling found wandering miles away, or dead in down a secondary road one afternoon the field. Prior to the storm I had seen on my way back home, I noticed a group and hunted a respectable number of of chickens cruising along side of me. pheasants as well as the ever-abundant My speedometer registered 55 mph, chickens. Once I was able to get back the chickens passed me then hooked a out and travel the back roads I could left turn, crossed in front of the truck not find one pheasant. The native " and headed out to the grasslands for chickens" however seemed unaffected the night. They were not being pursued by the ravages of nature. They were as by a predator or felt threatened in any plentiful as ever. The only difference that way, they were just heading home after

twice a day routine.

crops and cattle are found. Although established the Village of Arnold, where relatively dry, most cropland is irrigated I bought my house. Allen and his family by drawing water from the Great Ogallala left their Iowa home by covered wagon Aquifer, which contains in excess of in search of arable land in central one billion acre feet of ground water Nebraska. Formerly ranch land it was recharged by the extensive Sandhills originally claimed as range for cattle. area acting like a sponge. The major Among the early ranchers was a man cash crop is corn, followed by soybeans named George Arnold, the town's first with lesser amounts of cane and alfalfa. postmaster and after who the town is It is to these harvested crops that Prairie named. Arnold's population peeked Chickens come to feed, usually twice a during the 1950's with 936 residents. After that, as farms grew through

spaces with few trees it has a rebounding



for the nearest cover, prairie chickens his place, "chicken manor" and keeps have a lot of motor and unless they are a logbook of those who have taken really intimidated, they just out fly their chickens. It's appropriately called the pursuer either by speed or endurance. "chicken book" and no matter what The only way for a falcon to catch a other quarry is taken, be it sharp tail, healthy mid winter chicken is to start a hybrid chicken x sharp-tail, duck, from way up overhead and in position. pheasant, or what have you, only the In fact pitch is everything, 1,000 feet is a Greater Prairie Chicken merits entry good start, higher might even be better. into Tony's book. Two well-known Second is position and footing comes in falcon breeders, a husband and wife as essential in order to administer the team from Oregon also have a seasonal coup de grace. Falcons soon learn that a home about 20 miles from Arnold. They tail chase is a waste of time and energy. regularly bring ten, or more falcons with Early season chickens are a bit easier to them to fly exclusively at chickens. Two bag, but by mid November and on into of my friends, again a married falconry the close of the long season in March couple left sunny Florida and moved to they are a match for the best hawk Nebraska for, you guessed it, prairie anyone has flown successfully at any chickens. Eric and Anita fly every day other quarry, including Sage Grouse!

principal species, The Greater Prairie and rewarding than Sage Grouse. chicken. Nostalgia not withstanding, large areas. parrot.

dinner. Whereas some game birds look Me and Tony from Colorado. Tony calls that they can during the long season Although there are usually duck slips and have enjoyed considerable success before the ponds and stock tanks freeze for their time and for their sacrifice. and pheasants seem to be staging Another falconer who lives about 25 something of a comeback, grouse miles west of Arnold moved to Nebraska are the reason why falconers come about 23 years ago from Idaho. He to central Nebraska. There are two found flying chickens more challenging

Chicken (Tympanuchus cupido) and Suitable habitat is the limiting factor Sharp-tailed Grouse (Tympanuchus with prairie chickens. They require phasianellus). Lesser Prairie Chickens (relatively treeless grasslands, but can Tympanuchus pallidicinctus) are found tolerate small islands of low native in Southwest Kansas, Oklahoma and shrubs such as blackberry, dogwood, Northern Texas. Slightly larger than wild plum and sumac. They use slightly sharp-tail, prairie chickens are compact weedier pastures, crop fields and alfalfa galliformes, "red meat" birds with lots for brood rearing. Although prairie of motor! European settlers named chickens sometimes land in trees, and the native grouse "prairie chickens" even eat tree buds when ice covers because of its relative size of 18 inches other foods, numerous studies confirm tall and weighing about two pounds, that their survival rate is far better about the size of a small domestic where trees are absent throughout very

the prairie chicken is about as dissimilar The best place to hunt chickens is in to a domestic chicken as a gull is to a cut cornfields. They are loath to go into standing corn, or other tall vegetation. I am told that sharp-tails are a little They also feed in cut alfalfa, soybean easier to bag than chickens. They are and other "clean harvest" crops. But, more easily intimidated and are inclined whereas it's tempting to fly chickens in to bail into cover more readily than these exposed places, one wing beat do chickens. None the less anyone from a cast off falcon sends them up who is regularly taking sharp-tails has and away. The only practical method absolutely nothing to apologize for. of hunting chickens under these They too are a demanding quarry. Most circumstances is to launch your falcon a falconers would, or should be proud to half mile away and once she has reached be taking them! The little town of Arnold her pitch, have her follow your truck to boasts two sometime residents, there the grouse. Prairie chickens feel much for one thing only - prairie chickens. more secure in corn stubble. Hidden

in the furrows, their cryptic plumage simply mark their location and back your affords some measure of protection hawking vehicle to a distance that's safe against detection. They are much more enough for you to get out and cast off likely to crouch down and hold while a your bird. falcon is put in the air. Because of their Another very effective strategy is to

propensity to stay loyal to a particular slowly drive along the facing rows of cut feeding area and habit of commuting in corn and glass the area for chickens. twice a day, several hunting strategies There are binoculars that work well in have been developed. The easiest, but dim light, which will assist in spotting not necessarily the most effective is to grouse that would otherwise go park near a known feeding field and undetected. The easiest way of doing simply watch the birds fly in. It usually this is to roll your window down half way works and a flight will ensue. Large and rest the binoculars on the edge. cornfields of a section or more can, Once chickens are spotted, simply drop however, present a problem. Although an object, say a blaze orange beanbag, chickens don't run and hide, where you hat, or small safety cone out of the thought that they put in might not be window and keep driving down about 20 where they actually landed, particularly or more rows before stopping the truck. if the area is some distance away. A Quietly release your falcon and when good pointing breed and a steady falcon she has reached pitch and position walk are usually required when an issue such back to your marker and proceed down as this arises. If the field is small and the cornrow to flush. Should your bird the chickens come in close, or too close stray, stop and wait until she is back



necessary. If you falcon will respond to hair pointers out and started the coffee a waved glove, or some other object use maker. While the dogs enjoyed their this to entice her back. Once you flush breakfast, I took my first sip of strong and the falcon is committed, stand back black coffee and turned the T.V. on to get and enjoy the spectacle. Remember, if a weather forecast. Coffee finished, dogs your falcon fails, but will remount then satiated and forecast good, I stepped there are almost always more chickens out to the mews to collect and weigh the that did not flush the first time. A bird female Gyr-hybrid. At 1,135 grams, she that continues to go back up may have is right on. She killed a pheasant three three, four, or more opportunities as days prior and had not been flown in the successive grouse are made to leave the interim. Dogs and falcon installed in the sanctuary of the corn. If a dog is used, truck we set out for one of my favorite it's absolutely necessary that it stop spots for hawking prairie chickens. The on command and hold until released. digital thermometer registered a chilly Some falconers prefer morning flights, 14 degrees below zero, Fahrenheit. as this is the time of day when there is Dawn was still some time away, but usually little or no wind. Obviously the there was evidence of people stirring as falcon should be flown up wind when trucks ambled toward farms, barns, and conditions demand.

My memory is crowded and I recall one and cows. adventure when keeping to my routine, I settled the truck on a slight rise in

in position. Lay down in the furrow if I arose at 5:30 AM, put the two short equipment sheds to start a day of crops



an alfalfa field. Below me and on both I watch in awe as the falcon descends, sides are fields of cut corn; while behind wings tucked, standing on end at an the truck lies endless prairie grasslands inverted, pulling G's as the grouse level and pasture. It is from the latter that out. The chickens have narrowed the the grouse will emerge. At three years gap and are now about 300 feet from old, my falcon knows the drill. Dogs, the cedar windbreak. With the velocity hawks and old men have an affinity for that comes from a dive of over 900 feet routine and today will be no exception. the falcon soon overtakes the fleeing An occasional tinkle of bells and the chickens and strikes one, scattering soft whine of one of the pointers is the a shower of feathers in its wake. The only sound in an otherwise silent world. blow was to the chicken's side and Presently faint light begins to pierce the momentarily slows the bird down in its eastern sky, converting inky black into quest for safety. The falcon does an out rosy pink. Large flocks of winter crows run and tries again, but by now all of pass overhead like sullen chimney the grouse are in the trees, secure from sweeps on their way to daytime labors. her onslaught. At this the big hybrid It has become light enough to make out sails over the cedars and heads out to my surroundings and in the half gloom a the adjacent grassland. I watch as she group of about 30 grouse silently alight begins to remount, although when she in the alfalfa about 300 feet away. I comes back over the second time she watch as some of the cock birds perform isn't quite as high. Both dogs are on point their little minuets making short runs at and I race for the flush. A half dozen each other, wings down and pinnate up. grouse are up and heading away when At times they hop a few feet in the air, the falcon stoops hitting one squarely in or fly a short distance to start over. All the back and sends it smashing to the the while the hens sit oblivious to the ground. A quick roll over and the falcon goings on. After about 15 minutes they comes in beside the fallen chicken. all lift off and fly into the cut corn. Time Had the quarry been pheasant or duck, to go!

the falcon steps from perch to glove. chicken. I watched as it lay there on She is large and white and looks like a little mound of dirt appearing quite a gyrfalcon. The cold temperatures dead. I have witnessed this little trick invigorate her and give testament to her before and predicted Lazarus rising arctic origins. I watch as she heads out from the dead. That's when the falcon and up, away from where the chickens made her second, or third mistake. have settled in to feed. I know that they Instead of coming right in on the grouse have seen her as she ranges out and she landed next to it. Goodbye chicken! begins to make a turn heading back. It sprang to life and in an instant was over at about 1000 feet. I wish that she gone leaving a bewildered falcon with a would have gone up a bit more, but know foot full of nothing behind. Such is life, from experience that she has decided a falcon a little out of position, down that she is high enough. By now I have wind or without enough pitch, or one walked to the edge of the corn with both that fails to bind looses. Her reward is dogs on a leash - I won't need them for to go home hungry to be fed a cold meal this flush as I can see where some of later in the mews. Prairie chickens are the chickens have sought concealment survivors in a demanding environment. in the furrows.

overhead and I know that it's as good along. Hopefully today's exercise helped as it's going to get. I find it difficult at reinforce the lesson. Although I wanted times to keep an eye on the hybrid as to bag a chicken, I am pleased with well as the grouse. This time however I how things worked out. Falconry is a manage to do both. About 20 chickens business of futures, we live on optimism. bolt out of the corn and make for a strip Tomorrow perhaps the Grouse Gods will of cedar trees about 1,200 feet away. smile and favor us with success!

a warm meal would have been in the Telemetry affixed, all is in readiness as offering. Not so the resilient prairie They didn't evolve to be easily caught The falcon is just about straight and eaten by any predator that happens

A FEW GOOD FLIGHTS

ALAN HARVEY - SOUTH AFRICA

good flights for granted, that is until you start a new bird and realise the time and work it takes just to get kills, even just average ones.

Peregrine, a good Red Nape and few other hacked eyases that have provided me with some spectacular flights that I will never forget. I don't keep a falconry diary so these memories stay in my mind and are dredged up on those days when I'm slogging home after a long drive looking for quarry or the flight has just gone pear shaped, again! And I am wondering why I practice this sport as opposed to being normal and playing golf or propping up the bar counter!

A few years ago I was flying the Red Nape at a small dam that had a mixed bag of shovellers, teal and yellowbill. It was a calm day for once. As I cast the bird off she started tailing a single duck that I had not seen that was heading down the valley. The yellowbill had a good start



t's funny how some flights stick and easily made to the big holding dam with you for years, while others a kilometre away. With the bino's I saw just fade into a blur especially if the Nape throw up high and start some you have two or more experienced serious ringing over the valley. After an birds flying every day. We tend to take age of trying to call her over she finally started back arriving at a serious pitch. When she was vertical I sent my pointer Kell in to flush. As the dog raced around the perimeter of the pond the ducks got Over the past couple of seasons I have up and headed. As the falcon went into a flown a particularly good passage female full tuck, one shoveller lost its nerve and tried to get back in. As the duck came back over the dam wall going full taps the falcon arrived in a hissing rush and drilled the shoveller on the back of the head. The duck skipped twice on the surface of the water and came to rest with its head under hanging straight down in the water. The Red Nape coasted in after the strike and landed next to me on the dam wall and started chupping like mad. My dog dived in and swam out to the dead duck. As she got back to the bank with the duck, the falcon waddled down to the waters edge and unceremoniously grabbed the shoveller from Kell and proceeded to make sure it was finished. Kell, also an old pro of many duck hunts calmly accepted this treatment as she knew her place in the pecking order.

This flight was with my four times intermewed hacked Peregrine Kayla. She had been released the previous season but had hung around and occasionally coming in for food every couple of weeks. After an absence of two months she suddenly arrived at the hack site with a badly bruised wing. I picked her up and after a month she was as good as new. The day of this flight I had a guy and his son out with me who wanted to see what falconry was all about. The setup was a dam of about two hectares in the middle of a flat alluvial plain. The mist was coming in but the ceiling was high enough to fly, and besides the dam was chock full of a mixed bag of ducks! I cast Kayla off and she straight lined it for the horizon. My guests looked at me and said something like "look she's

flying away". This was how she usually climbing almost vertically into the wind. As mounted so I told them not to worry she would soon turn and come back with big pitch. I had no sooner said this than the mist came rolling in with visibility at about 50 meters. After about ten minutes of the first lot of yellowbills straitened out standing around praying for the mist to heading down the valley she started the lift the ducks decided it was time to go. The whole flock climbed steeply into the mist and disappeared. I was standing there swinging the lure dejectedly trying to decide what to do with this guy and his son while I tracked my bird down. As we started back for the truck there was a loud speed. The experienced falcons throw up thump in the mist over us and the next was huge and she was almost immediately thing a very dead teal came plummeting down to hit the ground next to me followed immediately by Kayla who proceeded to chup like crazy as she started plucking. The relief was indescribable!

last season with my old passage at what I call the Banana dam. This dam is actually a holding area for my local ducks and is too big to fly as it is about five hectares in size and is situated in a valley surrounded by some serious mountains in the 2000m of smaller ponds. I think I was taking pond burnout to a new level with the local dark.

bird could do late one freezing and windy afternoon in August last year. I cast the hawk off and she was immediately whisked a way by the gale and I lost sight of her out before. After awhile I caught sight of the peregrine as she came racing back above the rimrock on the skyline behind me. She was tiny with her wings tucked right in trying to hold position. As I started for the dam she broke free from the rim lift and came flicking vertically over at a huge pitch. I got the ducks started with flock lifted easily with a roar of wings and set in.

they reached about two hundred feet they turned and started to break downwind. The passage shadowed them, holding off waiting for the flock to clear the wall. As most awesome vertical stoop. There was instant pandemonium with ducks swirling around trying to get back into water. The peregrine drove through the stragglers and sliced a yellowbill into the water course where it hit the water with some serious back at her original pitch. The big flock had split up into smaller groups that were staying high over the sanctuary of the water. Whenever a group looked to put in the other flocks would suck them up into Topping the list is probably a flight I had the sky again. I just sat back and watched this drama unfold. When one of the smaller flocks reached about 500 ft they tried to make a break for it. Instantly the Peregrine sliced through the yellowbills, cutting one down into the water and immediately remounting to the huge pitch range and when the wind blows, as it does over the rimrock. This scenario repeated most days the resultant wind shear and itself for the next 20 minutes with ducks rotor are not for baby hawks. Towards getting pounded down into the water at the end of last season the dam had about regular intervals. I was only a spectator 200 yellowbills on and I was running out at this stage of this incredible display of mastery of the air and the guarry by this experienced old passage falcon. She alone ducks only moving onto flyable water after was controlling this flight and the destiny of this big flock of yellowbills. Finally she So anyway I decided to see what the old bound to a big drake high over the water and tried to fly him over solid ground. The pair finally came to ground on the steep rocky slope on the other side bank and I could see the drake was going to have his against the backdrop of the mountain way with the falcon and get back in to the shadow. The ducks started to form a raft sanctuary of the water. I suddenly realised in the middle of the dam as some of them my role in this little drama and raced had most likely seen this scenario played around the muddy perimeter of the dam arriving just in time to help the heaving peregrine who was hanging onto a bush with one foot and grimly holding onto the big yellowbill with other. I made myself comfortable next to the peregrine as she took a full crop. The wind had started to drop as the snow started falling gently and the weak winter sun glowed red against a few strategically hurled rocks. This big the ironstone on mountain tops as dusk

oday was not to be taken for granted but reminded me of last and previous seasons typical hawking days. This season has been very tough not least by the cold spring and short cool summer resulting in late crop harvests. The weather also had an impact upon some quarry species and in particular the Hungarian partridge that are my main quarry once the ducks fly south for winter.

I got out as usual to greet the sunrise although today I have a day off work and all day ahead of me, for a change with no timelines, normally to get back quick shower and go to work by 11am. I am fortunate to have over 30,000 acres of prime hawking near where I live comprised of many parcels of land. I reach a favorite spot but find no coveys beside the road this time but do get a nice point in the twilight with "Lewis" my English pointer. It was such an open set up comprised of some 400 acres that had no fence, wire or obstacle of note in sight and it just screamed for the Jerkin. Mulligan is a first year imprint Jerkin. He got the name as my last one tragically died the year before due to an impacted esophagus caused by a duck neck bone and this Gyr was my second chance much like the term is used for in the game of golf. I of set ups that are big and open. I unhood him and he jumps on top of the truck as he has taken to



AS IT SHOULD BE...

By Mark Williams, Canada

meanwhile Lewis is holding a staunch point a few hundred yards yonder.

like to give him the choicest For reasons only known to the Gyr he decides to leave and heads straight at the dog and it's the same height off the ground. This does not look good and I anticipate a smack on the dog's head, as imprint Gyrs are prone to do, particularly if they doing lately. He mutes and have been raised with the dog. However not this sits with one foot up. This time fortunately, he starts to climb up over the is not a good sign so far; dog and does an almost vertical climb pumping all

the way into the gentle breeze. I am and bubbling with excitement. Rarely taken aback at his speed of ascent and in relatively close proximity to me. No stopping yet. "Oh my gawd", I think to He reaches his best typical pitch of around 600ft in moments and yet still climbs. I keep watching in the nice crisp to his mood this morning. The sun is backdrop.

Now he is over 1000ft and still climbing glove to turn him, but he is heading

does he go this high and he isn't circling around me but just straight up myself as he is getting hard to see and I as if on a very steep ascending elevator. wished I had my binoculars around my neck. I dare not take me eyes off him now as I walk backwards to the truck. Then it appears he saw something and -14c air and think it has some influence booked it south at such height and purpose usually only seen in a pursuit now just breaking the horizon and the flight. I could not turn him and he just snow-covered mountains in the distance disappeared out of sight. I just stood makes for a spectacular if not dramatic there dumbfounded wondering what the heck he had seen up there and what I should do next. Instincts said to wait. I aggressively and I am now waving the was unconcerned, as this baby bird does not fly off. He is a full imprint and this further south of me. The dog is rigid season he has shown when he is done and we are all filled with anticipation playing he will usually come back looking

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for me. Moments pass and I see a small to walk in on the point as he is still flock of late season ducks passing high up but not as high as he was, watch heading to the one and only small piece them for a few moments to see if he is in pursuit. Probably only ten minutes pass but it felt much longer and I turn to the truck and get out my receiver, while swinging the glove in case he sees me. throw up, he turns to another partridge I still have a dog holding point now for over 20 minutes. The signal is strong one that he hit. Meanwhile the one he and no real direction as it feels he is hit is hovering and semi fluttering and close. Next moment I see him skimming falls to the ground. I think it took a head on the ground towards me and "talking" on his approach. I put out my glove and the business at hand as Adam pursues

it, these imprints, you gotta love 'em or hate 'em. Meanwhile Lewis is giving me the look of "just how long do I hold this point"?"

I put Adam up, my intermewed small Gyr x Peregrine hybrid and he is all business and climbs nice, circling around me but flies nothing like the Gyr. He seems to be around 400ft, his usual pitch and I am content

climbing. Up go the huns and instead of of cover behind me they head out into "no mans land".

Adam puts in a nice snappy wing over and stoop and slices through a hun but in his racing away at a 45-degree angle to the shot and is a gonner so I glance back to call him in and put him away. Damn the other hun he selected. He puts it







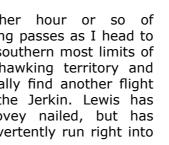
Huns busting out.

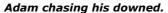
down, throws up, but does not have it the middle of the covey probably caught as he hits the ground. I run over there offside as he changed the direction of

food is always welcome and I try not waste anything. To my amazement the "dead' hun gets up and fly's out of sight. I scratch my head as minutes earlier I thought for sure this hun was fatally hit.

Another hour or so of driving passes as I head to the southern most limits of my hawking territory and I finally find another flight for the Jerkin. Lewis has a covey nailed, but has inadvertently run right into

and Lewis has followed the flight, which his run. A hun bumps, then followed I encourage him to do, and he now by another and, before you know it, has it nailed on a point while Adam is the whole covey lifts and head out in running around in the stubble frantically a stream of birds. Lewis looks back at trying to find it. He must have come me as if to say "oooops". Fortunately he close to it as the hun panics and takes holds still and I watch them go, keeping off quickly followed by Adam and a 200- an eye in case they land. I see two yard tail chase ensues but he nails it out birds put in as the others disperse and in the open. After I crop Adam up I go I ready the Jerkin. This time, with dogs to where the first hun fell as extra hawk running the field it encourages him to











leave instantly.

front of me.

Jerkin being buzzed by a first season. probably buntings.

be. Up they go and I head jerk upwards anything life can throw at you.

to see the Jerkin's light colored body The huns put in accented by the clear blue sky as he about 350 yards comes powering down. A quick mental awayinopenstubble survey of the direction the flight is but in the direction taking and the proximity of cover or of a farm and gravel hazards puts my mind at rest as I see road. I decide to it is all free and clear. He selects an old drive to them while cock bird and powers it down for a bind, the dog's quarter in feathers spray everywhere and they both hit the ground in an uncalculated is follow through.

following above me Fortunately the foot high grass cushioned nice and high as I his blow into the ground. He turns and glance up through is trying to run down the hun that gets the sunroof of my up and heads out. He is also up within truck but he is a flash and it does not make 60 yards nothing like he was before he binds to it. The dogs run up in his first flight. He to check all is under control and I walk is about 400ft and up to him allowing him to crop up. It is holding when I stop his first kill in over a week but this baby and get out. He is bird has done very well so far this, his

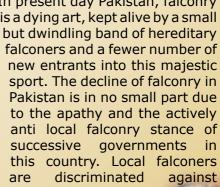
flock of small birds, A sense of bittersweet success falls over snow me and I glance at the distant White Mountains and smile to myself as the I call in Lewis my Jerkin plucks. "This is as it should be" pointer and Monty I think to myself as I reflect upon the my old wirehair is tough season to date and how guickly I already at my side. "Find the birds" I took for granted my recent seasons and say as I frantically look for the huns in how different it is now. Mornings like the area I had roughly marked them to this put you in the frame of mind for

Falconry in Pakistan: the past and future

SALMAN ALI & RAFEY ARSHAD

Pakistan has a small population of pertaining to falconry and hawking of this falconers, the majority of whom are austringers. Most of these falconers belong to the province of Punjab, and the prey species was initiated.

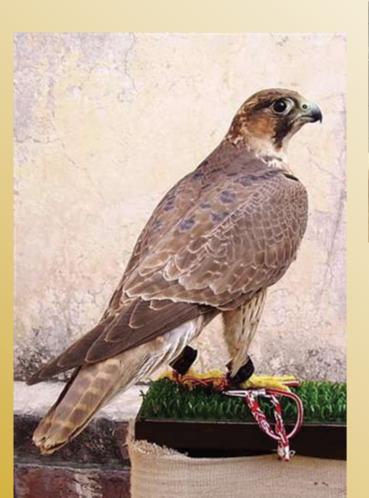
region also originate from this period. These works are known as Baaznamas, literally meaning "hawk journals". Sadly followed by Sindh, NWFP, Northern most of these baaznamas have either Areas and Balochistan provinces. been lost or are with private collectors Falconry has been practiced in the Indo- of Oriental Art and Literature outside Pakistan subcontinent since at least the country, mostly in the West. One 600 B.C. but the royal patronage during of the better known Baaznamas is the Mughal era has had the most profound Baaznama of Khushhal Khan Khattak. and far reaching effects on the sport a 17th century warrior, poet and tribal till date. It was in this era that formal chief of the Pashtun tribe of Khattak. documentation of the observations This baaznama has also been recently regarding falconry, and both the raptors translated into English by the Pashto Academy in Peshawar, though the Most of the translation is for the most part, a literal literary translation, and needs to be edited and works improved by an erudite falconer, well aware of the nuances of Eastern falconry. The other baaznamas of that era, such as those written by the Mughals and Talpurs, which were perhaps even richer bodies of knowledge, than the aforementioned one, have either been irretrievably lost, are in private collections abroad or are gathering dust in a musty corner of some private or government archives, waiting to be discovered. In present day Pakistan, falconry is a dying art, kept alive by a small but dwindling band of hereditary falconers and a fewer number of new entrants into this majestic sport. The decline of falconry in Pakistan is in no small part due to the apathy and the actively anti local falconry stance of





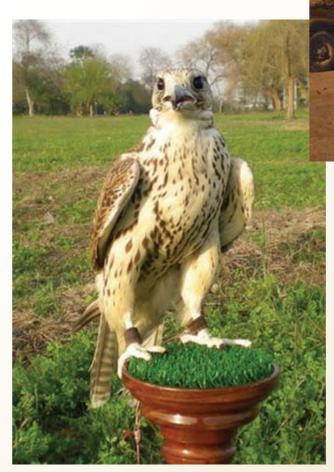








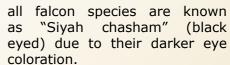




and denied access to hunting areas, and recently to long-wings as well, while foreigners are provided every facility possible to come and hunt here, and they keep longwings as well.

This modern day apartheid is the biggest reason behind the virtual death of longwing falconry in Pakistan. The handful of committed longwingers that remain and the comparatively larger number of austringers, are the patrons of falconry in this country. Most of these longwingers and austringers employ professional falconers (Baazdars) during the hunting season. Some of these baazdars are permanent employees all year round. These Baazdar's are also hereditary falconers, having learnt the art of falconry from their forefathers, and there are some of them whose ancestors were the baazdars of the Mughals and the Talpurs.

In Pakistan, hawks and falcons are distinguished by the color of their eyes. All shortwinged hawk species are known as "Gulab chasham" (red eyed) as their eyes turn ruby colored with maturity, while



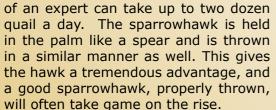
Traditionally, the bird of choice for Pakistani austringers has been the goshawk which is used to hunt hares, partridges, bustard, water fowl, and even gazelles. Traditions in Pakistani falconry are born more from necessity and lesser from any other factors. The goshawk winters in Pakistan and is well adapted to hunting in our weather conditions. The female of the Goshawk is called "Baaz", while the male is called the "Jurra". Traditionally the goshawk is thrown from the fist in a manner unique to this region.

This method is in known as the "Batola". The Jangoli (the halsband) is pulled down till the hawk is parallel to the ground, and then both the jesses and the Jangoli are gripped between the thumb and the index finger, and the moment a partridge is flushed, the hawk is thrown the at the fleeing game with hawk bearing arm fully extended and swiveling motion of the upper body of the falconer, so as to impart maximum moment to the hawk. From the hands of a skilled falconer, a goshawk thus thrown will kill more often than not, in the first flight.

The humble sparrow hawk (BASHA) is also widely used and there is a common saying that a good basha is better than a jurra, as it eats less and scores more. A wide variety of quarry can be taken by a sparrowhawk ranging from partridge, teal, lapwing, moorhen, and pigeon to quail, wagtails and sparrows. A well trained sparrowhawk, in the hands







Shikras (Accipiter badius) and Red- falconer, while the shikra is quite a large headed Merlins (Falco chicquera) are hearted bird. While the shikra also does also thrown from the fist in a similar not have the lightning quick speed of manner, and done properly it turns the sparrowhawk, it makes up for this these little birds into angels of death for with tough constitution and tenacity. all that rises in front of them.

falconry is that most falconers here sparrowhawks the most amongst these



regard the red-headed merlin as a semi-hawk due to its arboreal habits. It is usually found in habitat similar to that used by shikras - usually irrigated fields and grassland with a few trees and small copses located at least a few hundred yards apart. Its hunting habits are also rather accipiter like in certain respects, and it likes to ambush and out-fly its quarry and is thus treated almost the same way as a sparrowhawk or shikra. Of all these three birds, the shikra is the hardiest and most courageous. It not only looks like a small goshawk, but it also has the courage of one. A well trained shikra will not hesitate to catch crows on a regular basis, and can be hunted all day long. It is quite tolerant in the palm like a spear and is thrown of the heat and rough handling, unlike in a similar manner as well. This gives its northern cousin, the sparrowhawk, the hawk a tremendous advantage, and which has a rather delicate constitution a good sparrowhawk, properly thrown, and a very unforgiving memory. A spar never forgets a mistake made by a It must be noted here that while most An interesting feature of Pakistani Pakistani falconers prefer the female



smaller hawks, they do not find flying muskets worth their while. As muskets are very delicate birds, and if they flown even five grams too sharp, they may suffer fits and die.

The males of shikras and red-headed reclusive bunch and mostly keep to merlins, particularly the latter, are themselves. They follow a centuries old specially prized for hunting quails. In fact, some falconers here specialize in quail hawking, and with a good pointer of their falcons back into the wild. Only and a cast of hawks, they catch up to forty quail a day! One falconer here also through the moult. These falconers hunts quail at night time with shikras usually prefer sakers and peregrines, with the aid of search lights!

From the Siyah chasham family (Black black shaheens, luggers and red-headed eyed -Falcon family) we have a variety of resident falcons like Black Shaheen, Red Naped Shaheen, Luggar, Red Headed Merlin and Saker These resident falconers that there were about forty birds breed here and can be seen in years ago, two have died, while the last the warmer regions of Pakistan in early surviving one has grown old and is no August-September. Non-resident birds longer an active falconer. such as Sakers, Peregrines and common Falconry is a dying art in Pakistan and merlins migrate to Pakistan from Siberia, falconers an endangered species. If Mongolia, China, and Afghanistan etc. remedial measures are not taken at Locally falcons are employed to hunt both the policy level and the operational game such as houbara bustard, stone level then very soon all that will remain curlew, grey partridge, black francolin of falconry here will be foggy memories and water fowls. Both waiting on and and perhaps a passing reference in some out of the hood flights are used for the traveler's book as to what it once was.

appropriate quarry.

Longwings, as mentioned earlier, are flown only by a small band of dedicated men. These master falconers like the rest of the falconry community are a code and every year, after the end of the hunting season they release most the truly spectacular ones are kept but they also use red-naped shaheens, merlins, sometimes.

There are no active eagle falconers in Pakistan today. Of the three eagle

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THE TRADITION OF HUNTING WITH BIRD IN MONGOLIA

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Lecture from Ulaanbaatar, 2008



Mongolians going out to hunt. Chinese picture from the Yuan dynasty.

There is evidence that hunting was a priority of people from the prehistoric period. At this time most food, clothing and almost all other unnecessary items have been obtained only from hunting and since that time people have accumulated knowledge about the biology of wild animals and details of their natural environment through their hunting activity.

We can read in historical books how wide steppes and vast sand deserts those first ancestors of human being are the most suitable environment to and birds of prey originated from the develop the art of bird hunting. Asian continent. Scientists argue that Mongolian people since ancient times



Kublai Khan hunts together with his guards. Chinese picture from Yuan dynasty Kwanten 1979 p179

Central Asian.

travelers we can see that Mongolian white falcon is biggest in the falcon ordinary people have obtained a major species, very beautiful, most courageous part of food through hunting and "... and respected. Therefore, the white males haven't trouble for anything, falcon was the worship of the ancient they have only made war and hunted Mongolian "golden origin" or Khiad with their falcons". Researchers have Borjigin tribe, which was written in the

classified the concept of hunting with birds of prey as "shuvuulakhui" and there are many records, demonstrating that Mongolians are people with substantial systematic knowledge of falconry.

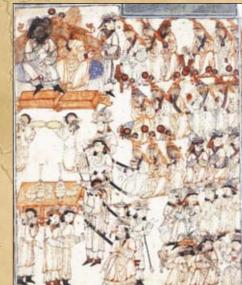
By the materials in our hand, ancient Mongolians, apparently, have been feed, train to hunt, keep under hungry regime and catch wild animals with birds included in the class of eagle, falcon and hawk. Forthwith, have been

used their natural specific characteristics and strength. Records show they used the eagles to hunt mammals such as wolf, fox, steppe fox, hare and other mammals, but falcons and hawks to hunt grouse, duck, goose and other birds.

In the medieval era, the falcon named "aksognkur" in Turkey, "sonkar" in Mongolian, "haich'ing or "hai-tungch-ing" and as referred in historical sources, the fastest hunting birds are big falcons of few species such as white falcon (Falco rusticolus), ordinary falcon (Falco peregrinus), saker falcon (Falco cherrug), which have capability to catch big water birds such as crane, goose, duck etc. These

have had historical traditions to worship, falcons have nature hunting skills, feed, and train to hunt and catch wild don't fear from whoever and whatever, animals with splendid and powerful birds courageous and might win bird and of use in the essentials of their lifestyle animals, which often catch animals and there is a substantial probability to bigger than themselves. It is common conclude that this art had originated in that a good trained saker falcon might catch the black tailed gazelle.

By the written works of scientists and Also in this book it records that the



Parts of the illustration drawings of world history book, written by Rashid-ad-din Faddulakh, a Persian scientist from XIY century an now storing in the Tokapi-carai library.

Hassig, 1992, p. 278-279.





Hunting Mongolians Now storing in the Tokapi-carai library/ EW, 1968, p. 25, 52.

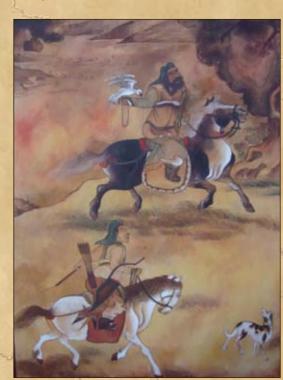
history of Butanchar - ancestor of the great Chinggis Khaan.

In the "Mongolian sacred history", article 63 referred: "...When Esukhey Baatar in company of his son Temuugin had met Dai Setsen from the Khongirad, Dai Setsen said "Esukhey Khud! I've seen a prophet dream last night: A white falcon flew in with the sun and moon in its hands and stepped down on my hand! We are seeing sun and moon with our eyes. This is wonderful! I've told people of this amazing event. Esukhey Khud! You are come with your son! This is explanation of my dream. What is dream? There was worship of your Khiad Borjigin who came in my dream!"

The great kings have been brought such good falcons mostly from the Baigal Lake, Manchuria, Far East, Korea and Bokhai. There is no doubt that white falcons were native in Mongolia. An Italian traveler, Marko Polo, had written in his book "The various bizarres of the world", article 74 "... If you make a journey of four days you would reach a sea /North Ocean/... On the islands of the sea ... much more white falcons, so the king can have more of them than he wants..." As referred in the "Lu. Golden History", lords from Uigur and Khirgis, captured by Zuchi - old son of Chinggis Khan, delivered to Chinggis Khan White falcons and hawks.

One of the diplomatic traditions to present gifts between tribes and countries was the falcon since the time of Hunn and Dunkhu nomadic tribes. Therefore, Mongolians have honored hunting falcons and hawks as gifts and Chinese picture from Yuan dynasty.

not just when asked for. However, they were also known to take gifts and oblige as a tax such precious hunting birds from defeated or captured tribes. For example, the "The Mongolian Sacred History" said in chapter 29 "... While they request for Bodonchar's hawk, he hadn't gave..." In the chapter of 239 "In the year of hare /1207/ "... When Zuchi had started war against a oin ard /forest people/, Bukha had gone as guide...and Zuchi's cavalry had reached Shigdhis / Shishgid river/ through the territory of Tumen Oirad, the khirgis noyod /lords/ and oirad novod have met the Zuchi's cavalry giving presents to Chinggis Khan with white falcons, white horses and black sables..." The Korea dynasty, existed from 918 to 1392, had paid huge taxes, including Shon Koi Mae or falcon in very large numbers. During the great Mongolian imperial time they had been paid taxes with falcon birds to Mongolian imperials from Russia. Later, famous Russian traveler Afanasy Nikitin in his book about India had referred to "... The carriages with white falcons, sent by the great tsar have waited tatarian envoy Shirvanshin Asanbek for two weeks and in the carriages 90 white falcons...". Also, in 1491 Russian tsar Ivan III had



Chinggis khan hunts with falcon.

signed an agreement with Tatarian khan Mengli-Girtei to add white falcons to his tax payment. The latest evidence of such practices is in 1491 where six best white falcons were among gifts to Mongolian Bogd khan by Spafary.

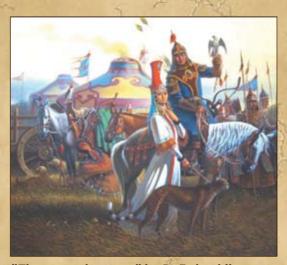
Mongolians have used hawks and eagles in hunting. As referred to in the "Mongolian Sacred History", Bodonchar -Munkhag, referred in the history as Mon khan - one of the leaders of an original Mongolian tribe from Three (Onon, Kherlen and Tuul) Rivers had lived in a grass hut on the Baljun island of the Onon River because he was expelled by his brothers. Once, he had been seen with a grey hawk he had caught that was fed with black khur bird - he had caught this with a snare made with long hairs from his horse to keep and feed it. This was written in the "Mongolian Sacred History", chapter 25. An Italian traveler Marko Polo had written in his book "The Bizarre Variety of the World", article 92 "... The great Khan also has many eagles having caught wolf, fox, gazelle, and deer. Those have sufficiently many numbers of varieties of wild animals. Eagles, which catch wolves, are the biggest and most powerful. There were no wolves, which could be saved from their talons...".

During the great Mongolian empire, the hunting with birds of prey ended as one of main forms of livelihood and was changed to the specific form of hunting activity, having a character of entertainment for Mongolian great khans and warriors. Great Chinggis Khan has an extraordinary knowledge of hunting with birds (falconry) and he brought hunt activity to the high level of state activities. In his period hunting with bird of prey was closely connected to war and military structure and white falcon was portrayed on the imperial army flag as the coat of arms.

It is mentioned in various historical sources, the khevtuul or inner guard of khishigten or the imperial guard had direct responsibility for operation of hunting with bird (falconry) during the emperor's hunt. As written about it in the "Mongolian Sacred History", chapter 232 "... When we will hunt with bird, the khevtuul are allowed to follow us! Some



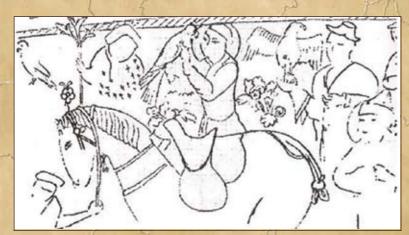
Mongolians going to hunt. Chinese picture from Yuan dynasty.



"The steppe's queen" by D. Erdembileg



Falconers. Picture from Kidan dynasty.



Picture of the Mongolian great khans, inherited from warriors of Timur khans. Esin, 1977, p. 18.





Two works by B. Monkhzul.

birds let place in carriers!..' and in chapter 278 was referred as Chinggis Khaan and Ogodei Khan have issued a decree "... When we are going to hunt and hunt with bird, some khishigtens let the palace guard and others follow us!... Ogodei and Tsagaadai, sons of great Chinggis Khaan have had hunt with bird too. As referred in historical source, every week have sent caravan of 50 camels, carrying hunted cranes. Hubilai Khaan of the great Mongolian Yuan dynasty had continued the hunting tradition with bird for his mental and spiritual pleasure. Above mentioned Marko Polo had note in "The Bizarre Variety of the World" Khubilai khan "... goes to hunt followed by ten thousand bird keepers with five hundred falcons and simple eagles and brown head eagles. Also, goes to hunt water birds along the river basin with eagles. Khan doesn't keep too many people and birds in the same place. He deploys them in different places and hunters present the greater part of hunted birds to khan....". Further, "Khan goes with twenty best falcons and several lords and warriors of higher range for pleasure. Khan ascends in the Ger residence, harnessed several elephants and lords and warriors follow him. If they shout: "Great khan! Flock of cranes is coming" the khan will look at flock of great many cranes and free one of his birds of prey. Freed falcon or eagle undoubtedly intends to catch a crane. So the great khan pleasures...". After death of Chinggis khan and disunion of his great empire the tradition of hunting with birds of prey had continued as heritage for a long

time. Recently, Mongolian archeologists (U. Erdenebat and others) have found a head bone of hawk (Assipiter nisus) during excavation of a grave from XYI century is the guarantee of the tradition that Mongolians have buried their khans and honored people together with their precious possessions and important domestic animals.

There is a tradition of Mongolians, which inherited to comparative late period such as selecting, catching, keeping, training and feeding of falcons,

with special duties to perform these means training of bird of prey such activities, named as "Falconer", "eagler" as idleg falcon and hawk by keeping and "hawker" and method and operation it awake in night time. To adapt to of hunting with birds have detailed domestic condition could keep hungry order and have correspond to particular and awake, because wild birds are very season and characters of particular bird and special "language". For example, the linguistic work of several Mongolian Ogimui or uriadmui/calling: This prey. Therefore, we have an opportunity bird or animal to the trainer in full. to analyze these terms in comparison to historical knowledge and etymology **Uriaduulmui/coming by call:** This sources of ancient Mongolians to find term means that birds of prey come by some information on hunting with falcon call of the trainer or passive voice of and hawk .

There were different methods of catching and this method used after taming of of birds of prey such as to take chicks from a nest, catch adult birds with bird bait, use a snare, catch while such birds **Buulimui/training to hunt:** This by extra eating. The best method is to to hunt wild animals such as hare or catch with a snare because the body of birds. As referred in the "Mongolian the bird would not be injured and will catch only bird of prey, not another bird. A bird snare for trapping is called bayan teilegüizü oyurba. Noyod yalayud in Mongolian "toor urkhi".

terminology:

keep bird of prey such as falcon and khyargui on the hand. In the "Mongolian Sacred History", chapter 266 it is noted de Rubruk, messenger of king Ludovick of France, had written in his travel book paid a visit to Mongolian khan.

means bird of prey such as falcon and khyarqui standing on the "togor". In other words, stand feeding and training birds to make them calm in the specially made setting.

eagles and hawks. There were people **Duluulmui/be awaking:** This term ferocious.

science authors in 1746 "Dictionary term means to call, showing any bait of thirty six" has a special chapter to a bird of prey such as falcon and named "Hunting falcon and dog's for khyargui. This is one of the important entertainment". This chapter contains parts of the training of birds of prey many Mongolian terms, connected to and birds trained with such methods in the custom of hunting with birds of future don't fly away and give hunted

> call. In other words, be called with bait the bird of prey.

could not fly because their feathers were term means bird of prey such as falcon wet with rain water or hard to fly caused and khyarqui or hunter-dogs trained Sacred History", chapter 27 "...Qabur boluba. Novod ireüi cay-tur garcyaigoziyulas tutun gunsiyud küenzüigles tutun gunsiyud hünistele talbiba..." or There are some main terms in Mongolian (Spring season arrives. Then come the ducks, he has kept the hawk hungry Barimui/keeping: This term means and freed it to hunt. He has jerked ducks and geese on every stump and every stub everywhere). If analyze this phrase, above mentioned Bodonchar-"let birds be kept by outstanding boys! Munkhag had kept his female hawk Allow them to follow the hunt!". Wilhelm hungry and when comes spring season, he had freed it to hunt ducks and geese. This is the buulimui or training to hunt. "... Khan ordered to bring hunting-birds Many researchers have agreed that and stand them on his hand to stare referred here word "teilegüizü" is a at...", when the French messenger had special term, meaning "keep hungry and free to hunt", basing on the translation of the "Mongolian Sacred History" Suulgamui/standing: This term into Chinese. Some researchers have explained content of word "ovorba" as free or fly birds of prey for hunting wild animals and birds and have note as referred in 249th chapter of "Mongolian Sacred History".

This information is evidence, arguing



that Mongols from the steppe have been no need to train, newly caught chick or trained and hunted with birds of prey and bird of prey, with no experience, need to when researchers have explain content train. For this purpose, first time trains of word "gunsiyud" as "jerked fowl" and by the way to give live birds to catch. unanimously agreed that translation of Only well trained bird of prey must be Ts. Damdsinsuren as "has hung two or free to hunt. three of fowls on every stump" is just right translation.

Amtshuulmui, training with bait: This term means bird of prey such as falcon and khyarqui bird of prey such as falcon and khyargui or hunter-dogs were trained to hunt. or hunter-dogs train to hunt. In other To hunt with bird of prey, a hunting words, to give a possibility to taste the man could go by hillside or high place fowl of the hunt, to become encouraged and before freeing bird to hunt could and stimulated and inspired with own discover head and until the bind of might. Generally, a Mongolian word legs. Generally, during hunting with "bolovsrokh" or train has content to bird of prey there is a need to involve strength and repeat learning by any two or more men and after catching human or animal. Word "amtsikh" of bird men must come on fast. About means any live subject adapts to own it referred in one of source "... When actions, returns permanently and word the great khan goes to hunt with all on the basis of previous events and ten thousand warriors. They divided to actions.

Amtashjukhui, eremshjukhui/ eremshuulmui/ trained with bait: This term means "eremshikh" means further advancing eagles and other birds, followed by many small groups by pairs. The pairs While birds with hunting experience have named as toscaor, means guard. They

has a small pointed hat and woodwind supporting the hunter's hand. instrument. With this instrument they call eagles and other birds. Once great Malgai/hat: This term means the khan ordered they shall free birds and leather hat (hood) to cover birds such shouldn't follow them. But deploy here as eagle. The hat used to hide bird's and there to watch after birds, if the eyes to let bird be calm. birds need help then immediately go hunted animal and does not let approach as eagle. other animals and birds.

Hogshiluulmui /feeding: This term which is made in the way of few miniature means feeding hawk and other hunting birds. The "Mongolian Sacred History", chapter 26 referred "When there wasn't food, Bodonchar had killed with an Orvolgo /wrapper: This term is hawk to overcome winter season".

molt. Generally, gives meat without fat of marmot, gopher, fox and hare after washing with water, but does not give Khorobkhi: This term means bind meat of livestock. Wilhelm de Rubruck between wrapper and devsger, made had noted in his travel book "Mongols" with silver or brass strips. don't use meat of long - tailed mouse /gopher/ but gives to keeping birds".

seat for hawk, khyargui and falcon. To this cord ties leather leash of 30-40 Newly caught bird of prey let wear hat, cm and the trainer keeps in his hand the sets on the right side of ger /felt tent/ other end of the leash. on the seat with three poles, specially made with wood or fasts with long rope outer of ger. Some ferocious birds are whirl, made with copper or brass and set on the moving bar to let them be binds to one end of the leash. It is used calmed: bird tires attempting to find to tie the bird. body's balance and strengths its skill to keep. When going to hunting place, Shijim/rope: This term is means the some big birds such as eagle uses the long rope to tie to lace. It's used to

deployed wherever in pairs and this fork-wood with leather string on one is covers a wide territory. Each man side to bind to saddle for purpose of

to them". Because, birds of hunt might Devsger or yasun: This item used to be tired caused by long fighting with contact with khonkh /bell/. Apparently, animal to hunt or wild animals might this is aims to bind the small bell to tail injure them. Also, hunting birds kill of hawk and falcon - also used on one animal and eat fresh meat or might be hand to make fly water birds from lake damage skin and hair. A good trained and river, or on another hand to prevent bird awaits their trainer, guarding from attack of other bird of prey such

> Khonkh /bell: This term means bell, iron or brass balls as a spherical small container.

archer gazelles, which was stolen by means the wrappers of white and black wolves to eat and had been He took color, which tie wing and tail of hawk the remains of wolves eating to feed his and khayrhui. During training of birds of prey it ties their wing and tail in parts with leather and cloth strap named Tuulgamui/feeding: This term is utugan. This is aimed to limit height of mean feeding any animals to feed in flight of bird. French traveler Wilhelm purpose of overcome the winter season. de Rubruck had referred about it "They Feeding methods of hunting birds are /Mongols/ tie a leather halter from head different and depend from particular to middle part of chest and setting on season of the year caused by keeping right hand. After freeing of birds, directly hungry, growing in weight and cause to they pull the rope with left hand in the purpose of limiting flight height".

Tushaa/lace: This term is means cord or lace with felt cover, binding legs of **Togor/seat:** This term is means the birds of prey such as hawk and others.

Erguul/whirl: This term is means a

fasten with rope.

means the wooden tie connected with blow musical instrument.

glove.

is meant the small container or sack to called by Mongolians as "toor", Kazakhs contain baits for birds of prey.

stomach of birds of prey. Such clearers meat, bone, hair and others in the way "Chayulyu". of belching.

and items for calling of bird. Mongolian following table:

hunters have specific calling sounds and some musical instruments. To call birds Suljee/wooden tie: This term is of prey he shall show bait from sack and

Thus, the hunting experiences of Beelii/glove: This term is means ancient Mongolians with birds of prey a leather glove for hunters hand to such as falcon, hawk and eagle proved keep bird. Hunter wears a long glove by historical sources and the traditional of about 50 cm, made with cow skin terminology in the Mongolian language, with felt inner layer to protect his hand connecting to feeding, keeping and from bird's talons. By the illustration training of birds of prey. Also, in the drawings of world history book, written comparison of names of birds of prey by Rashid -ad-din Faddulakh, a Persian and terms, used in training and using of scientist from XIY century an now birds of prey in some Asian countries of storing in the Tokapi-carai library, was Turkish origin and in Russia are almost shown Mongolian hunters, wearing such same. Therefore, "shuvuulakhui" or hunting with birds of prey, obviously, has an ancient common origin. For example, Taartsag/bait container: This term seat for setting of bird hunting bird is "tugyr" and this word had entered into Korean language in old time, because Goyo/stomach clearer: This term in the Korean-Chinese dictionary, is means items, used for cleaning up published in XYIII century saved as "toor". Name of peregrine falcon /falco (castings) may be made with different peregrius/ in Russian language "sapsan" materials: paper, bone, felt etc. using had originated from kalmyk language such clearer. Hunter clears stomach of and Russian name of male hunting bird birds from remains of eating such as is "chelig" and originated from turkey's

Some names of birds of prey, containing **Uria/call:** This term means method same forms and contents are shown in

2 7				
Mongolian Name	Middle Asian Name	Korean Name	Russian Name	Latin Name
Idleg shonkhor	Itelgi, itelgu, itolgi	Igdoogui	Baloban	Falco cherrug
Turamtai shonkhor	Turumtai	Toruntai	Kobchik	Falco vespertinus
Egel shonkhor	Lashin, Ihachin	Col	Sapsan	Falco peregrinus
Jadan shonkhor	Shumkar, sunkar		Krechet	Falco rusticolus
Khartsaga	Kharchiga, kharshyga	Khaljyge	Yastreb	Assipter gentius
Burged	Burgut, byrkyt		Berkut	Aquila chrysaetos
Sar	Saryja	mone	Sarych	Buteo buteo
Tarlan sar	Tarlan	A THE STATE OF	1 3	Buteo rufinus



So, hunting with birds of prey was rational norms for protecting of wild powers, the hunting practice of wild the all Mongolian nations was forgotten deliver it to proprietor and keeper...". tradition of hunting with birds of prey So, Mongolians not only feed and train hunting birds.

such as title "hawk" given to national wrestlers, successfully participated in the national wrestling competition and the national wrestling competition.

in massive numbers, but have followed nature. *

changed to entertainment in the animals and have made law not to custom of khans and elite warriors kill any wild animals and birds in their - ruling minorities of the Mongolian reproduction period or from to March to society then in the period at the end of November. Furthermore, as referred in the Mongolian empire brave Mongolians some historical sources, ".. have circled have terminated traditional shamanism the silver ring on the legs of birds of the and have lost the political right to outer great khan and high level aristocrats with written name of proprietor and animals and birds changed to shooting keeper. Therefore, any men, who catch of target or ball. Therefore, later among such bird shall know its proprietor and

and custom of keeping, feeding and birds of prey to use in hunting practice or their daily life needs, fun and Evidence of worship of power of birds of entertainment, but have also protected prey were saved on the symbols of police them. There is high probability that organization and strictly protected areas. Mongolians have found the scientific Also existing, many other examples method of research for bird's movements using ringing techniques. On the other hand, methods of hunting with birds of prey has an advantage not to massacre title "Falcon" young wrestlers, who won wild animals and birds and leave some injured or maimed; hunts are more Mongolians haven't killed wild animals reliable with an awareness to protect

ANCIENT STEPS ENGRAVED IN THE CLIFFS OF BREEDING SITES OF PEREGRINE (FALCO PEREGRINUS)

BAGYURA JÁNOS * – BÉKEFI ANDRÁS – KAZI RÓBERT – MOLNÁR ISTVÁN LOTÁR – PROMMER MÁTYÁS - FIDLÓCZKY JÓZSEF

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Summary

Peregrines were not breeding in Hungary between 1965 and 1997. After the long break, the first breeding was recorded in Pilis Hills in 1997. The pair consisted of an adult male and a 2cy female – bred successfully in Raven nest in an abandoned quarry and they fledged two juvenile males (Bagyura 1997). At the same time, we observed an adult male and an immature female at an ancient breeding site in Börzsöny Hills, however breeding was not recorded. In 1998, in the incubating period the breeding of the pair in Pilis Hills failed for unknown reason. However, the new pair in Börzsöny Hills bred successfully.

In order to avoid unnecessary disturbance, we written records of it can be seen in the so-called observed the nest from a great distance, and saw that the adults fed the chicks regularly.

We found 15th May a proper date for ringing the chicks. Considering safety precautions János Bagyura and András Békefi slowly descended to the nests on appropriately tied ropes. Meanwhile the adult Peregrines were above them – the male higher than the female - calling loudly. When descending and finding safe places for their legs, they realised that there were footsized cavities engraved in the cliff in a stair-like arrangement. They managed to reach the nest by using those 'steps', which was a natural cliff ledge. There were two males in the nest. In 2003, the pair bred in a Raven nest on the same cliff, but on its northern side. Surprisingly, there as well, there were steps engraved in the cliff that lead also to the ledge suitable for nesting. There were 3 young females in the nest that fledged successfully.



Ancient rock-cut steps.

In 2005, at another ancient breeding site in Pilis Hills, István Lotár Molnár found also steps engraved in the cliff.

The steps may be even more than one hundred years old and they were very likely made in the medieval ages. Certainly, falcons have been breeding since ancient times at those sites mentioned above, thus the link is obvious: considering technical possibilities of that time, it must not have been easy to access the nests of the cliff-breeding falcons; Middle Age falconers, therefore, made the harvest of falcon chicks for falconry easier and safer that way.

Falconry is an ancient hunting technique; one of the earliest

'Képes Krónika' (Illuminated Chronicle - a medieval illustrated chronicle from the Kingdom of Hungary from the fourteenth century). Prince Álmos, younger brother of Könyves Kálmán (King Coloman, the "Book-lover"/ 1095-1116) hunted the Rook with a Peregrine – as it can be seen on one of the miniatures of the Chronicle. Falcons and their breeding sites were highly appreciated. In 1264, the Csanád dynasty was litigating for the ownership of the cliffs named Sólymos-kő (Falcon Rock) or Sólymosfej (Falcon Head), and Fel-kő (Upper Rock) above the village of Bertény. According to the subsisting documents, they acted separately for the ownership of the falcons breeding there (Ballagi 1900).

Falconry was popular in the subsequent centuries, however from the 18th century; it lost its importance significantly as firearms were being improved.

Bagyura J., Prommer M., Szitta T., Molnár I. L., Kazi R. (2009): Status of Peregrine population in Hungary 1964 - 2007. In: Sielicki J.& Mizera T. (red.). Peregrine Falcon Populations – status and perspectives in the 21st Century. Turul – Poznań University of Life Sciences Press, Warsaw-Poznań, pp. 5160.

Lakatos, K. (1910): [Hungarian birds of prey] in Hungarian, p. 119.

Ballagi, A. (1900): [Falcon's hunting], in Hungarian.

A Pallas large lexikon (1893-1897), Volume II, in Hungarian.

AVIAN MALARIA IN IMPORTED GYR FALCONS IN UNITED ARAB EMIRATES

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Summary

Authors reviewing a clinical history of examination was collected twice a week avian malaria cases in gyr falcons (Falco during the whole treatment regime. In 2002 rusticolus). In 2001 and 2002 seasons an infection caused by Plasmodium relictum infection in which case an above mentioned was diagnosed in seven captive-bred gyr falcons (Falco rusticolus) admitted for general examination in Abu Dhabi Falcon Hospital and H.H. Sh Sultan Bin Zayed Al Nahyan Falcon Hospital. The falcons were shipped to Middle East in autumn 2001 and 2002 from North America for traditional falconry purposes. Neat's stain of blood smears of these falcons imported captive-bred falcons are questioning showed high (44% and 36%) parasitaemia the importance of malaria screening in birds in two cases, two moderate, (18% and16%), and three cases of low parasitaemia, (below 10%). Clinical examination of the individuals Introduction with high parasitaemia revealed an acute Gyr falcons are one of the most valuable and onset of severe dehydration, (PCV 55-58%), reduced performance, decreased appetite Arab falconry. Captive bred falcons are shipped and thickened- grey discoloration of the urine in autumn from North America and Europe to part of the faecal. Radiological examination showed splenomegaly, nefromegaly and hepatomegaly. Treatment consisted of primaquine -PRIMAQUINE PHOSPHATE, (0.75 mg/kg SID) and chloroquine MALAREX, (25 mg/kg SID initial loading dose continued with cases it is difficult to differentiate Plasmodium 15 mg/kg) in 0-12-14 and 48 hours . In two sp. from Haemoproteus sp. especially in a low cases relapses occurred. Repeated treatment parasitaemia. In Plasmodium infection both with increased dose of primaguine (1.9 mg/ kg) and chloroquine (37.5 mg/kg) resulted in in peripheral blood. The gametocytes contain another relapses of parasitaemia. Treatment regime with pyrimethamine-DARAPRIM (12 mg/kg) and sulphadiazine-DUPHATRIM The schizonts are round to oval cytoplasmic (25 mg/kg SID) for four days cleared the packets containing numerous basophilic parasitaemia. Three months after treatment staining merozoites (Pierce, 1989). Mosquitoes initial body weight was reduced by 12% and of Culex and Aedes sp. are the vectors of Plasmodium parasites appeared again in the avian malaria infection (Baker, 1976). Of peripheral blood but with no clinical symptom. all *Plasmodium* sp. infecting raptors only P. Mefloquine -MEPHAQUIN (25 mg/kg SID) 0- relictum is considered to be a virulent and 12-14-48 hours apart continue with 25mg/ highly pathogenic. Kingson et al. (1976) kg once a week for the next four weeks was reported occurrence of 16% parasitaemia in used for treatment. From all treated falcons a Peregrine falcons (Falco peregrinus) and Gyr

blood sample for hematology and biochemistry one falcon died due to Plasmodium relictum mefloquine treatment regime was used. Histopathology reveled large amount of malaria pigment in liver and kidney. The Falcon died due to parenchymatic organs damage caused by the extra-erythrocyte stage of parasite development. The presence of the vector species in Middle East and large number of traded from North America.

priced species of falcons used for a traditional Middle East for traditional falconry purposes. According to Garnham (1966) there are probably six species of *Plasmodium* occurring in birds of prey: P. fallax, P. gundersi, P. hexamerium, P. polare, P. relictum and P. subpraecox. In some gametocytes and schizonts may be observed pigment and they are more likely to displace the host cell nucleus than Haemoproteus. significant role in morbidity and mortality of captive penguin species; African black footed penguin (Speniscus demersus), (Cranfield et al., 1994; Stoskopf and Beier, erythrocytic stage of development was 1979) and Magellanic penguins (Speniscus cleared out. Haematology results showed magellanicus), (Fix et al., 1988). Clinical lymphocytosis, severe toxic changes symptoms in all cases were associated with of heterophils, reactive lymphocytes, a presence of exoerythrocytic schizonts anisocytosis, poikilocytosis and regenerative in liver, spleen, lungs, kidneys and brain. These lesions resulted in dysfunction and non-specific tissue damage of observed. Plasma protein electrophoresis parenchymatic organs (Graczyk et al., showed a significant increase of 2-globulins. 1995). Haematological findings in post- Two weeks after the first treatment a parasitaemia stage were lymphocytosis, relapse occurred in two patients of four reactive lymphocytes, toxic heterophils and poikilocytosis of erythrocytes (Graczyk et al., 1994).

Methods and results

Two of the six captive-bred falcons shipped from North America to Middle East were 48 hours. After 3 days no parasites were presented with complain of reduced observed in blood smears. Three months performance ability and dehydration. Because of the exceptional value, excellent for training and exercise purposes, the previous performance and high morbidity rate of the gyr falcons in Middle East climate, radiological, endoscopical, haematological 6%). Performance of the falcons was and blood chemistry examinations were drastically decreased. The same increased performed. Splenomegaly, nefromegaly dose of chloroquine and primaquine was and hepatomegaly were visible on x-rays. Endoscopic examinations showed 2 small nodules in lungs parenchyma not associated assisted the treatment. One month later with malaria. Hematology showed normal the two treated falcons relapsed again. blood panel. By Nea's stain of thin blood Treatment consisted of pyrimethamine smears the schizonts of a haemoparasit (DARAPRIM, 12 mg/kg) and sulphadiazine

falcons (Falco rusticolus) in North America, Sizes of schizonts were generally 15-24 which required treatment. Transmission microns by 9-17 microns. They contained a is frequently seasonal depending upon merozoits of two distinct sized nuclei. Based the activity of the appropriate vectors. In on the morphology of abundant intra and a tropical environment many species of exoerythrocytic forms a tentative diagnosis birds are often in a low state of nutrition of avian malaria was made. Blood smears before the onset of parasites frequently were sent for identification of parasites to Dr. occurs. This is particularly noticeable in M.A. Pierce at MP International Consultancy, transcontinental migrants at the end of their London. Parasites were identified as migration when patent infection reverse to *Plasmodium relictum*. Histopathology of a latent phase after arrival. Plasmodium liver and kidney biopsy revealed numerous relictum was reported in different wild and intraendothelial schizonts. All six falcons captive-bred species of birds, Hawaiian were tested and the same clinical findings crow (Corvus hawaiiensis), (Massey et al., were discovered in two other gyr falcons. 1996), Hawaiian amakihi (Hemignathus Antimalarial therapy was initiated using virens), (Atkinson et al., 2000). In Europe chloroquine (MALAREX, 25 mg/kg SID initial avian malaria was considered to be the loading dose continued with 15 mg/kg SID) primary cause of death of robins (Turdus together with primaquine (PRIMAQUINE migratorius), (Beier, 1981). Together PHOSPHATE, 0.75 mg/kg SID) in four with aspergillosis, avian malaria plays a divided doses at 0, 12, 24, 48 hrs. All six falcons were screened for parasitaemia in 3-4 day intervals.

Four days after the first treatment, anaemia. In blood chemistry, a non-specific tissue damage - elevated CK, LDH, AST was patients. Moderate parasitaemia, moderate lymphocytosis, reactive lymphocytes and numerous toxic heterophils were observed. Repeated 4 increased doses of chloroquine (37.5 mg/kg SID) and primaguine (1.9 mg/ kg SID) were administrated at 0, 12, 24, later, when a weight of falcons was reduced two repeatedly treated patients relapsed. Low parasitaemia was present (8% and administered in four divided doses. Intensive oral and subcutaneous rehydration therapy were discovered in numerous erythrocytes. (Duphatrim, 25mg/kg) in single daily dose

monitored for the next three months. No relapse of parasitaemia was observed while birds maintained the good body condition and weight. In 2002 3 of group of 5 imported gyr falcons were diagnosed with Plasmodium relicum infection . One bird with high parasitaemia and sever clinical symptoms was treated with MEPHAQUINmefloquin (25mg/kg) 0-12-24-48 hours .One week after the treatment the falcon died due to parenchymatic organs demage. Histology shoved numerous malariapigment containing Kupffer cells in the liver as well as hepatitis. In the kidneys malaria pigment was mainly found around large vessels.

Discussion

There is very little data associated with the clinical cases and treatment of *Plasmodium* regime of gyr falcons was extrapolated from the other avian species. The main clinical severe dehydration in all infected cases. Morbidity was associated with occurrence are responsible for the nonspecific tissue are confirmed. damage of parenchymatic organs.

This was confirmed by elevated enzyme and repeated treatments without severe heterofils in the peripheral blood. Relapses immunity and can be considered as suitable occurred in two falcons. Relapses after the candidates for introduction in to such chloroquine-primaquine treatment was an environment where avian malaria is reported in penguins as well (Cranfield enzootic present.

for four days. Falcons received rehydration et al., 1994). Chloroquine is considered and hepatoprotection (Simepar) therapy. as an effective medication only for the After this treatment all falcons were intraerytrocytic schizonts. Primaquine acts on the exoerytrocytic- parenchymatic schizonts.

Mefloquine should be effective against malaria parasites which have developed resistance to other antimalarial drugs. All treated patients received hepatoprotective treatment and intensive oral and subcutaneous rehydration. Reduced body weight during falconry training can be responsible for the induction of latent infections or relapses after the treatment.

Conclusion

Four falcons infected with Plasmodium relictum parasites were successfully treated with chloroquine-primaguine, pyrimethamine-sulfadiazine and mefloquine antimalaricidal therapy. Infection caused a severe performance reduction. Supportive treatment and intensive rehydration sp. infections in falcons. The used treatment avoided further damage of the organs. Regular screening was necessary to monitor patients and prevent high parasitaemia findings were splenomegaly, hepatomegaly, after possible relapses. Avian malaria diagnosed by x-ray and parasitaemia, should be considered as a significant factor of morbidity of the falcons, especially because a lot of captive-bred falcons are of experytrocytic stage of development imported to Middle East from regions were of Plasmodium relictum, when schizonts geographical distribution of hematozoas

Avian individuals surviving infections activities, lymphocytosis and toxic organs damage should have a long lasting

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WANTED:

Saker Falcons of European origin for a reintroduction programme.

The Saker Falcon is probably extinct have to make assessments based on our as a breeding species in Bulgaria and knowledge of the Saker Falcon and the following extensive consultation, we Bulgarian landscape. Over the period could find no documented record of 2006-09 we have undertaken research Saker Falcons breeding in Bulgaria since in Bulgaria as part of a feasibility study to

Saker Falcons have been undertaken by detailed appraisal of 15 diverse areas, researchers from the Central Laboratory representing ca. 7% of Bulgarian of General Ecology, Bulgarian Academy territory, in order to determine their of Science (CLGE, BAS) and by the suitability for breeding Saker Falcons. Bulgarian Society for the Protection of We used GIS to examine land cover, Birds (BSPB) but no breeding pairs have quantified the availability of potential been found. The species appears to be prey species such as sousliks, voles extinct as a breeding bird in the country. and birds, quantified the availability of The story of the last-documented pair of suitable nesting sites and the presence breeding Saker Falcons exemplifies the of other birds of prey that either recent plight of the species in Bulgaria; the two chicks were stolen from the Saker (such as Peregrine, Long-legged nest by thieves. Fortunately, the theft was witnessed and the nestlings were competitively exclude them (Golden replaced back in the nest to fledge successfully. Other pairs were less fortunate and it is thought that a high was that suitable areas for breeding incidence of nest robbery and trapping Saker Falcons do still exist in Bulgaria, of falcons in the 1990's was responsible in both upland and lowland landscapes. for the rapid demise of the Saker Current upward trends in the Peregrine Falcon. It is believed that Bulgaria held a population of up to 50 pairs of Saker in Bulgaria indicate that the persecution Falcons prior to the 1990's and that this was itself a mere remnant of a more populations in the past are now much widespread and abundant population diminished. Consequently, the potential that existed before the 1920's.

In the 19th century Saker Falcons were Saker Falcon looks positive. We are common and widespread breeding birds currently at the consultation phase with in Bulgaria. but from the 1920's Sakers various stakeholders in Bulgaria, some were more or less eradicated in the opposed to the proposal of reintroduction lowlands of Bulgaria; since that time and others supportive. The outcome many varied and dramatic changes have of these discussions will determine taken place in this landscape. We know whether or not the next phase of the that Sakers managed to maintain an project is implemented. existence in the upland of Bulgaria until much more recently, but now, since the Falcons would be 'hacked-out' using tried final demise of the species we have no and tested techniques that mimic the way of undertaking a detailed ecological normal fledging process for nestlings. studies of the way Sakers interact with This is the technique that has been

examine the potential for reintroducing Since 2006 intensive annual surveys for the Saker. We have undertaken a occupy a similar ecological niche to the Buzzard and Imperial Eagle) or could Eagle, Peregrine).

The conclusion of this site assessment and Long-legged Buzzard populations pressure that impacted bird of prey for successful re-establishment of the

During the release phase young Saker modern Bulgarian landscapes. So we successfully adopted in many Peregrine



Falcon reintroduction projects. During establish a viable breeding population. they would probably disperse far and wide but, it is envisaged that the strong hacking site when they are old enough to breed.

Alternatively, young Saker Falcons could accordingly as the project proceeds. be bred in captivity specifically for the We are trying to establish a database purpose of reintroduction, though this of potential stock for captive breeding is a much more expensive and time and would be grateful to hear from consuming process.

The origin of the donor stock should be Falcons of European origin. If we go as similar as possible to the previous Bulgarian Saker population. We have birds in the reintroduction (either taken samples from museum specimens in conjunction with or instead of of Bulgarian Sakers and also from Sakers translocated wild birds) we would be elsewhere in the Western Palearctic interested in either purchasing breeding in order to genetically compare these stock or alternatively their offspring for populations. This work is currently being undertaken at Cardiff University in the
If you have birds that may be suitable United Kingdom.

that need to be released in order to found at www.mefrg.org *

hacking the birds would gradually explore The model includes a range of estimates their surrounding landscape and learn for survival, age at first breeding and to hunt for themselves. Like most young breeding productivity. Our model Sakers, after gaining independence indicates that the annual release of ten male and ten female juvenile Sakers over a period of five years would result degree of natal philopatry in Sakers in the establishment of a viable breeding would eventually bring them back to the population. Our model predicts that ten years after the first release an increasing population of 8-15 pairs would exist in The young Saker Falcons could be our chosen release area. Monitoring of sourced from healthy populations the released birds via satellite tracking elsewhere by being taken from the will help refine our predictive models nest; a process known as translocation. and enable us to adjust release rates

> any falconers and breeders with Saker down the route of using captive bred release in Bulgaria.

for this purpose please contact Dimitar Our feasibility study has included a Ragyov:dimitar.ragyov@gmail.com model to assess the number of Sakers More information on the project can be

Presence of the IAF at international conferences CHRISTIAN DE COUNE

The IAF has among its aims, to represent falconry throughout the world, to develop, maintain and amend national and international laws, treaties and conventions to permit the pursuit and perpetuation of falconry.

To fulfil this mission, the IAF must, where possible, attend the international

conferences dealing with conservation and sustainable use of birds of prey. It is IAF's policy of presence.

IAF must endeavour to retain its place amongst the most significant international NGO's in the field of sustainable use and conservation.

Within this framework, I attended several international conferences, and have summarized here the reports I made of those of the last two years.

The full text of my reports can be found on our website: www.i-a-f.org



SECOND MEETING TO CONCLUDE THE MEMORANDUM OF UNDERSTANDING ON THE CONSERVATION OF MIGRATORY BIRDS OF PREY IN AFRICA AND EURASIA UNDER THE CONVENTION ON MIGRATORY SPECIES

> **Abu Dhabi, United Arab Emirates** 20-22 October 2008

of it.

Action Plan had been adopted at the first Loch Lomond had confirmed the possibility 2007, it was agreed that only minor wild, changes would be made to it.

The Chairman of the Abu-Dhabi conference would have weakened drastically that recalled it in his introductory speech: "only minor changes may be made to the MOU, I alerted our colleagues, Nick Fox and text itself".

To my dismay, I stated that a substantial Secretariat as well. change had been made to the Loch Lomond text of the Action Plan.

The MOU, contains an Action Plan as a part The substantial change consisted in the addition of: "only where there is no The text of the MOU and the attached other satisfactory course of action."

conference at Loch Lomond in September of sustainable taking of raptors from the

As such the text proposed in Abu-Dhabi possibility.

discussions will not be re-opened on the Andrew Dixon of the change to the Loch Lomond text. I drew the attention of the

> We approached several personalities explaining them that this restriction was



From left: Baron Gilbert de Turckheim, president of FACE; Dr Yves Lecocq, secretary general of FACE; Christian de Coune.

a negation of the principle of sustainable use of natural resources and was in contradiction to the centuries long tradition of falconry in the Middle East and elsewhere in the world. Most persons we approached showed sympathy for our point of view. When the Action Plan came for approval, I

"In the name of the International Association for Falconry and Conservation of Birds of Prey, I "wish to draw the attention of the meeting to the following:

in following terms:

"Point 1.2 of the Action Plan has been this procedure. discussed at length at Loch Lomond. A text had been adopted. It was said that the text could possibly undergo only purely formal minor changes without questioning Siblet (both from France, representing the the principles of the text.

of point 1.2 has undergo a substantial change.

A far reaching restriction has been added."

The Loch-Lomond text excluded the taking from the wild unless this can be shown to be sustainable.

"This is consistent with the spirit and the words of the Convention on Biological Diversity, which admits the sustainable use of natural resources. Sustainable use

"The text which is submitted to us today containsthefollowingsubstantialrestriction: where there is no other satisfactory course of action. This restriction has not been discussed at Loch-Lomond, it is a step back in the principle of sustainable use.

I ask you to revert to the text adopted took the floor at the session of the meeting at Loch-Lomond and remove the added restriction."

> The Chairman and the Secretariat proposed that the issue would be discussed in a small working group; nobody objected to

A small group was formed with Lahcen El Kabiri (CMS Secretariat), Nick Fox, Andrew Dixon, Marianne Courouble, Jean Philippe EU of which France holds currently the Between Loch Lomond and now, the text presidency), David Stroud (UK), Saleem Javed (Abu-Dhabi), Brigadier Mukhtar Ahmed (Pakistan), Mohammad Sulayem (Saudi Arabia), Christian de Coune (IAF). This small group worked in an atmosphere of perfect mutual understanding and in a very straightforward mood.

> The Secretariat explained the procedure following which the said amendment had been made, but did not take a position on the substance of it.

We insisted on the principle of sustainable use of the Convention on Biological is a principle that is now widely approved. Diversity, that is sufficiently covered by

back to the EC Bird Directive, 1979, since concerned". then the concept of sustainable use has made its way and is now widely accepted. The whole text of the Action Plan has been We said that the word "sustainable" was adopted unanimously by the Meeting. sufficiently restrictive and that there were no reasons for adding more restrictions Personal comments to it. The proposal of removing "no other The absence of the concept of "no other satisfactory course of action" was making its way. It was ultimately agreed to remove the following words: "only where there is no other satisfactory course of action". The holding the presidency of the EU, to the Lomond and adopted at this meeting. other EU representatives. After apparently This decision strengthen the principle difficult discussions, they declared of sustainable use of wild birds of prey themselves ready to approve the new text and weakens the restriction "no other provided we added the word "sustainable". Our little group agreed to this addition. The text reads now as follows:

Loch-Lomond's word "sustainable". We said "...c) egg-collection and taking from the that the restriction "no other satisfactory wild. Unless this is authorised by the solution" was purely European and that competent body and only where the there was no reason to expand it to Middle action is sustainable and not detrimental East and farther. This restriction dates to the conservation status of the species

satisfactory solution" from the Action Plan of the Memory of Understanding for the Conservation of migratory birds of prey in Africa and Eurasia is not simply "by default". modified text was submitted by France, as It had been deliberately discarded in Loch

satisfactory solution" contained in the EC Bird Directive and in the Bern Convention.

SPECIALIST MEETING ON THE CONSERVATION OF THE SAKER FALCON

Abu-Dhabi, 5-7 April 2009

Background

The Conference of the Parties of the to list the Saker on Appendix I, filed at the Convention on Migratory Species adopted in December 2008 in Rome, a resolution The decision of CMS to postpone the (9.20) on the Saker Falcon, which "urges decision of uplisting is the result of its Parties to assist in the delivery of a will to base decisions on facts and science research programme, initially supported rather than on emotionalism. by Saudi-Arabia, designed to re-evaluate The said resolution was the back-ground of species across its range".

If this is not being done by mid 2010, The Saker will be proposed for listing on **The meeting** Appendix I of the CMS with the support of the Scientific Council of the CMS. This means that derogations from extremely protective measures could be granted only IAF. in exceptional circumstances.

Sustainable use of the Saker is at stake! This resolution was the result of a The meeting was expected to insist on the

proposing country to withdraw its proposal CoP in Rome on 1-5 December 2008.

vigorously the conservation status of the Specialist Meeting on the Conservation of the Saker Falcon.

The meeting has been convened by The Environment Agency of Abu-Dhabi, and I was invited as the representative of the

The meeting was attended by some 50 participants from 18 countries.

compromise aiming at persuading the fact that the population of Sakers may

be influenced by multiple factors such as confirms the principle of sustainable use. habitat loss, extermination of rodents, Falconers (IAF and myself) intervened and not only by wild take for falconry. The strongly last year in Abu-Dhabi, in order situation in Asia is not perfectly known to safeguard the principle of sustainable and the multiplicity of factors make the use that, without our intervention, was situation very complex. The situation in about to be made unworkable. The text of Europe is much better known and is not it has then been accordingly amended and unfavourable; Hungary is a good example sustainable use was saved. of this.

meeting.

Bowardi and Majid al Mansouri, I insisted on the importance to recall that all decisions by CMS and others should always be based on facts and scientific evidence

On several occasions, I took the floor for some remarks or recommendations, I summarise some of my interventions:

- 1. C. de Coune complains about member Upon a question of the chairman, I states introducing exceedingly stricter measures, conventions are the result of them. Stricter measures should be introduced exceptionally if necessary and if there is no other solution.
- **2. C. de Coune:** there are very few falconers Further aware of the need of assessing in Ukraine and Middle East falconers want the status of the population concerned to only passage birds. The media have a ascertain the potential of its sustainable very great responsibility by publishing use; huge amounts that falcons can fetch, this pushes people to take falcons in the hope of making big money and ultimately they realise that either they have little value or • The Specialist Meeting on the Conservation simply they cannot sell them.
- 3. C. de Coune: a large part of the on 5-7 April 2009; solution lies with the end-users. Supports • Urges the falconers' community of the the sentence: "never use a poached bird". If the demand for illegal birds disappears, Falcons to assist in the delivery of a research the supply will disappear too. There is a programme, initially supported by Saudi need that falconers make a commitment Arabia, designed to re-evaluate vigorously not to acquire illegal birds. Falconry clubs have a major role to play, they must see to it hat their members keep exclusively legal birds. Associations must have authority The chairman then asked the audience if over their members and take measures if anybody had an objection to the content they infringe the laws. In Europe and N. America clubs have played an important as reflecting the attitude of everyone. The role in falconers abiding by the laws.
- **4. C. de Coune:** the CMS Memorandum by consensus as reflecting the opinion of of Understanding on migratory raptors is the meeting, but it is not a resolution indeed the framework for all we wish to because there will be no resolution passed undertake here. This MOU contains and at this meeting.

There is a need for a strong commitment of The issue of sustainable use of the the end-users not to acquire illegal birds, Saker falcon should be addressed by the a great part of the solution is there. To this end it is essential that falconers have In my corridor conversations with M. Al a structure possibly under the umbrella of the IAF. Falconers have done so in Europe and in N. America, it must be possible here too.

- 5. C de Coune: drafted a text of a resolution to be adopted by this meeting The text of it had been displayed on the screen for everyone to read it carefully.
- confirmed that it is the position of the IAF. The text is the following:
- compromises, stricter measures distort Aware of the cultural value of the Saker Falcon for falconry:
 - Further aware of the principle of sustainable use of wildlife;

 - *Recalling* Resolution 9.20 of the Convention on Migratory Species adopted at its ninth Conference of the Parties;
 - of the Saker Falcon convened in Abu-Dhabi
 - countries utilising wild-caught Saker the conservation status of the Saker Falcon across its Central Asian range.

of this text and if it could be considered contents of the text has been accepted

EC BIRD DIRECTIVE 30TH ANNIVERSARY MEETING

Brussels, April 2009

The EU Directive (79/409/EEC) on the protection of the 700 species of birds Conservation of Wild Birds was adopted on present in Europe out of the 10,000 ones 2nd April 1979.

BirdLife International took the initiative to He quoted as a good example of cooperation celebrate the 30th anniversary of the Bird Directive on the very day of its birthday, i.e. on 2 April 2009.

reception in Brussels.

I had the pleasure to represent the IAF.

The function was attended by some 100 persons, the atmosphere was warm and the hope to see them coming back in the the walking-dinner excellent.

The event started with a speech delivered the intercontinental solidarity in the bird by Mr Stavros Dimas, Commissioner conservation. of the European Commission for the As usual, such meetings are always a environment (the equivalent of the very good opportunity for showing to the Minister of the environment for the whole circles of nature conservation that IAF EU). He underlined that the Bird Directive takes interest. It's also good for meeting is the most successful achievement of the environmental policy of the European Commissioner. Union. Thirty years later, it is still as This is a part of the policy of presence of justified as in the beginning, he said, it IAF. is still a most efficient instrument for the

of the whole world.

between interested parties, the FACE/ BirdLife agreement on sustainable hunting.

They offered for the occasion an excellent A message was then delivered under the form of a short film by Burkina Faso by which they call on the Europeans in order that they carefully protect 'their' birds in next autumn. This message illustrates

people. I introduced our association to the

GENERAL MEETING OF THE EUROPEAN SUSTAINABLE USE SPECIALIST GROUP

London, 16 September 2009

IUCN, of which Robert Kenward is the in what is considered as a major project President.

The meeting was attended by some 25 international research project supported participants, amongst whom was Angus by the 7th Framework Programme of Middleton representing FACE.

Since the last general Meeting in Vienna assist the integration of information about (Austria) in 2007, ESUSG held three biodiversity and related environmental committee meetings, 15 other meetings and attended several workshops and international conferences.

ESUSG has been very active in relation Charter of Sustainable Hunting of the Bern Hunting Charter on Angling.

ESUSG is actively involved, under the document, especially its Preamble with 12

The ESUSG is a specialist group of the lead of its president, Robert Kenward, in Europe, i.e. TESS Project, which is an the European Commission. It aims to matters (www.tess-project.eu). It is to be noted that FACE is also a partner in that project.

with the working out of the European European Charter on Sustainable

Convention and is currently working on a Angus Middleton (FACE) sets out FACE's perception of the Charter: it is an excellent

principles as well as its Guidelines. It has of sustainable use of natural resources. In been much advertised that the Charter has other words, the conservation world has been adopted, but now we must go to the made public its acceptance of sustainable next step, which is going to be difficult: there is a need for reporting back from the **Conclusions**. countries.

adopted by the Standing Committee of the use of natural resources. Bern Convention, which must be viewed as It is a part of IAF's policy of presence and an agreement to the fact that hunting is visibility. an activity that matches with the principles

hunting.

Such a meeting is a good opportunity to C. de Coune (IAF) said that the great merit show that IAF takes interest in policies of of the Charter is that it exists and has been biodiversity conservation and sustainable

FEDERATION OF ASSOCIATIONS FOR HUNTING AND CONSERVATION OF THE EU (FACE) GENERAL MEETING

Brussels, 11 September 2009

The day before the General Meeting, FACE He stresses the need of intensifying has offered a reception in its premises the relationship between FACE and its that had been remarkably renovated. The members. walking dinner was absolutely gorgeous. Hats off for the quality of the reception Outside the meeting hall and the warm atmosphere. It was also a I had the opportunity of having a long very good opportunity for making personal and very friendly conversation with the contacts, a mix of new faces and old acquaintances.

The IAF has been invited by FACE to attend its General Meeting as an observer, Christian de Coune represented our association.

The assembly was chaired by FACE's President, Baron Gilbert de Turkheim, Middleton.

persons.

Opening speech by the President.

FACE being recognised as representing hunting that respects nature maintains circles.

that everyone has been allotted his responsibilities and duties. He thanks all, especially Yves and Angus for the smooth transfer of power.

representatives of Malta. I addressed the issue of the possibility of having a specific law on falconry in Malta. Maltese falconers will have full support of the Federation for Hunting and Conservation.

Conclusion

FACE and IAF have always maintained very good relationship and co-operation, but it is the first time that we are invited assisted by FACE's new CEO, Angus to the General Meeting. IAF is grateful to FACE for having been admitted to The meeting was attended by some 50 its General Meeting. It is good that the hunters' community sees the confirmation that falconry is recognised as a part of the hunters' community. To be remembered that the new CEO of FACE, Angus Middleton, is a falconer!

good relationship with nature conservation
I must however recall that IAF had been invited at the meeting of FACE's committee FACE has undergone an in depth in the early 90's in order to expose to the reorganisation, the purpose being community of hunters the difficult situation of falconry in Denmark and to call on their solidarity in support of the attempts made to have falconry legalised.

Long life to the old IAF-FACE friendship!

BY PATRICK MOREL AND MATT GAGE

Falconers





Falconers often find themselves stuck use and objective conservation evidence. between seemingly paradoxical situations Wild take of falconry birds is still permitted of:

1. respecting, understanding and conserving wildlife, while

2. using or hunting that wildlife.

Of course, every human activity has, at some level, to exploit natural resources, and Africa and Latin America) harvesting so we welcome the re-establishment from nature has always been, and remains, of conservation philosophies that are a normal route to getting falconry birds. founded on sustainable use. In addition Harvesting of a small proportion of firstto the move toward sustainable use as a year birds (usually less than 5% of the sensible approach to conserving natural annual productivity), which themselves resources, there is also a move towards anyway have very high natural mortality, 'evidence-based conservation', and away is proven to have no, or negligible, effects from protectionism. We also welcome this on wild raptor populations. of sustainability based upon simple good symbolism behind us.

section in the IAF journal where research take becomes much more positive, as the of relevance to falconry can be published. colleagues is a social science-based exploration of peoples' attitudes to the resumption of a wild harvest of raptors falconers started breeding raptors in falconers rely on captive breeding for their supply. In the UK, there was a voluntary cessation of license applications during falconers and falconry knowledge. In many parts of the world, current raptor numbers have exceeded any historical records, and source for falconry birds. The appreciation entrenched within principles of sustainable Cultural Heritage.

in most parts of the world, including about half of the EU states. The European 'Bird Directive' allows permission to issue licenses for wild take, providing some conditions are met. In most of the other parts of the world (including the USA, Asia

objective approach toward assessments In the study by Robertson et al., we see a generally negative opinion towards wild take science, hopefully putting subjective from the general public, perhaps influenced assessments based on emotion or by a burgeoning sentimentality toward the cuddlier side of wildlife. However, what is We therefore welcome a peer-reviewed noticeable is that this opinion against wild public receive some simple information This first article by Gail Robertson and about sustainable use. Education, education, education! We welcome the fact that the question remains on the research agenda for serious scientists, and encourage for falconry in the UK. When pesticides further exploration of wild use across all caused the decline of raptor populations, countries where the evidence shows that sustainability will be easily achieved. captivity, and at present most of Western The IAF stands to defend and celebrate falconry freedoms across the world, while being committed to conservation activity and research into birds of prey. We the 'pesticide era' of the 70's and 80's. We therefore encourage all our members to now see a huge recovery in many raptor engage with, and help, scientists who are populations, and some of that recovery conducting good conservation research, so has been directly aided and assisted by that the balance between sustainable use and conservation can be struck properly. Wild take has always been the traditional populations are saturated. Accordingly, UK and intimate understanding of wild raptors falconers are beginning to think about the is essential in order to trap and train, and possibility to resume a carefully-managed often later release, our birds. These are take of a few wild hawks for falconry, firmly essential arts within falconry's Intangible



Last year falconers in the US were once again been able to harvest Peregrines from the wild following changes in the law. The event was marked by our President in a message as follows:

"Friends:

I share this announcement from Dan Cecchini, President of NAFA, that the first passage peregrines have been trapped on the beaches of North America in more than 35 years. Our friend Ralph Rogers, Vice President of the IAF, is on the beach in Texas where he too has a permit to take a passage peregrine, and will report his experience to the international falconry community. This is indeed an historic moment when after years in peril, the passage tundrius peregrine is now available to the practicing falconer.



As I have reported before, US falconers have been permitted to take eyass anatum peregrines from the wild for several years.

In my mind and heart as a falconer, we have regained the broad spectrum falconry experience, with this final milestone, now that we can harvest from the wild all North American raptors useful for falconry purposes.

I take this opportunity to thank all of those members in NAFA who have worked for decades to achieve this final goal. Please accept congratulations from the IAF.

Finally I attach a photo of falconers, Andrew Bullen and Shoshana Datlow, who both trapped tiercel passage peregrines. Both are well known in the US.

Best wishes, Frank Bond





Far right: Tony Huston with wild taken eyass Peregrine under licence.

Right: Andrew Bullen and Shoshana Datlow.

AN EXAMINATION OF ATTITUDES TOWARDS TAKING BIRDS OF PREY FROM THE WILD FOR THE PURPOSES OF FALCONRY IN THE UK

G.S.G Robertson, E.J. Milner-Gulland, N. Hanley and S. Ledpath

Abstract

There has been increased discussion among UK falconers regarding resumption of taking birds of prey from the wild under an existing legal provision for falconry purposes. It has been claimed that this would (1) help mitigate humanraptor conflicts, (2) increase stakeholder interest in wild raptors as a conservable wild resource, and (3) provide a purer form of sport than is currently provided by captive-bred hawks. This study compared the attitudes of members of various come into conflict with human interests stakeholder groups and members of the public towards taking birds of prey from the wild for falconry in the UK and the effect of demographic factors and information provision on attitudes. Data were gathered using questionnaires distributed on internet species (Millsap and Allen, 2006). In the forums and in a door-to-door survey.

To examine the effect of information on responses, questionnaires were distributed with two levels of information. The most significant factors affecting attitude towards a wild take were stakeholder group, information provision and general attitude better prospect for experienced falconers towards wildlife and the environment. (Mavrogordato, 1960), and a wild harvest Respondents who were falconers were would allay concerns from some falconers significantly more likely to be in favour of a wild take. The public, pigeon fanciers, bird watchers and wildlife enthusiasts exhibited negative attitudes towards resumption, but respondents who were provided with more information on the topic had more to reduce dramatically in the 1970's positive attitudes towards taking birds of prey from the wild. Those with more positive attitudes regarding bird of prey control were likely to respond positively to the issue of a wild take. The results nisus) and peregrine (Falco peregrinus)) suggest that it would be premature to have returned to acceptable levels in the resume licence applications to take birds UK (Crick and Ratcliffe, 1995; Newton and of prey from the wild for falconry in the UK Wyllie, 1992; Baker et al., 2006) falconers owing to lack of support from the majority and other stakeholders are exploring the

of stakeholder groups and members of the public. However, objective analyses (such as population viability models) could provide important information for reducing conflict between different stakeholders.

Introduction

Recently, some falconers have postulated resumption of granting licences for taking birds of prey from the wild for falconry purposes as some species now have large self-sustaining populations and can (Kimmel, 2006). Legalised wild take for falconry occurs around the world, with further increases in allowances granted recently in the US after evidence on the sustainability of such harvests for some UK, falconry subsists almost entirely upon captive-bred birds from successful captivebreeding businesses. However, the wildcaught first year hawk is perceived as being stronger, faster and more experienced than a captive-bred youngster, making it a that captive gene pools are inbred or non-local. Legal provision for wild take of raptors exists in the UK under a licensing system administered by DEFRA.

When pesticides caused raptor populations and 1980's, British falconers adopted a voluntary cessation of licence applications. Now that population sizes of traditional falconry species (sparrowhawk (Accipiter

opportunity for a resumption of a carefullymanaged wild take.

The conflicts caused by the increase in some raptor populations especially affect shooting and pigeon racing (Park et al., 2008; Henderson et al., 2004). A UK survey carried out in 2004 suggested that approximately one third of a million people take part in lowland game shooting and 50,000 participate in grouse shooting (Public and Corporate Economic Consultants, 2006). Raptors can have a significant effect on grouse numbers; moors with hen harriers (Circus cyaneus) produce on average 17% fewer grouse than those without harriers (Redpath, 1991).

In recent years, pigeon fanciers have resumed lobbying for a reduction in bird of prey protection; the current number of pigeon fanciers involved in pigeon racing in the UK is an estimated 60,000 (RPRA). With peregrine and sparrowhawk pairs numbering 1,402 and 41,000 respectively (Baker et al., 2006), pigeon fanciers claim their sport is now unfeasible due to the number of birds lost to avian predation (Henderson et al., 2004). Taking birds of prey from the wild could potentially resolve conflicts with gamekeepers and pigeon fanciers by removing raptors from sensitive areas.

One important issue undermining bird of prey protection and management in the UK is lack of communication and understanding between key stakeholder groups. Bird protectionist organisations, for example, hold drastically different opinions towards bird of prey management compared with pigeon fanciers and gamekeepers. Public opinion can have a big effect on Government policy (Page and Shapiro, 1983), so we conducted this study to examine perceptions from different stakeholders towards taking birds of prey from the wild for falconry.

Factors affecting attitudes such as demographic variables, underlying attitudes to nature, the amount of information provided to participants and mode of data collection were compared to examine which of these had the greatest effect on attitude. Having determined general attitudes held by members of different groups, and the factors influencing them, we consider the likely impact on stakeholder relations of the resumption of licensing for a wild take.

We gathered data on attitudes towards taking birds of prey from the wild for falconry and general attitudes towards raptors and the environment using self-administered questionnaires. distributed questionnaires to members of each stakeholder group (bird watchers, falconers, field sports participants, pigeon fanciers, wildlife enthusiasts, members of the public) and compared responses. To examine the effect of increased information on respondents' attitudes, we distributed two types of questionnaire to members of each stakeholder group: one providing more information including a small explanation of what falconry is and some arguments for and against taking birds from the wild and the other only including a brief description of falconry (questionnaires available online in Robertson, 2009).

Ouestionnaires had two sections: one with questions on attitudes regarding falconry and wild birds of prey and towards the environment in general, and the second with questions on a range of demographic information. Within this first section was the main question of interest ('It is acceptable to take birds of prey from the wild for falconry purposes'). The main question was followed by nine statements aimed to assess the respondent's attitudes towards falconry, wild birds of prey and control of species detrimental to human activities. A Likert scale with five options was offered for each statement: Strongly disagree, Disagree, Neutral, Agree and Strongly agree. The demographic questions requested gender, age, area brought up in, area of current residence, occupation, awareness of falconry and whether or not the respondent was a member of a falconry, field sport, pigeon racing or conservation club or organisation.

Questionnaires were made available on internet forums specific to each stakeholder group from 14th May until 29th June 2009. Sample sizes were maximised by leaving the guestionnaire on each forum for more than one month and periodically encouraging people using the forum to complete it. Sample sizes of more than 20 for each forum were considered adequate (De Vaus, 2002). New forums were added if there was a lack of interest or if the questionnaire was removed. Internet

forums were used owing to the difficulty of were highly correlated with attitude score locating large samples of each stakeholder group and the results were not expected to represent the UK population as a whole, effects were entered along with their 2but provide an informative insight into way interactions. attitudes.

We also distributed questionnaires in a door-to-door drop and collect method. handed out in the morning and we asked and leave it on the doorstep to be collected in the afternoon (White et al., 2003; Walker, 1976). We gave respondents who were at 2007; Hand and Till, 2001). home a short introduction, advised them how to complete the questionnaire and asked them to leave it for collection. If no one was home, we tried the house again in the afternoon and asked occupants to complete the questionnaire immediately.

Statistical Analysis

A Principal Component Analysis was used to create a score describing attitudes towards birds of prey and the environment based upon responses to the nine attitudinal statements.

The effects of each explanatory variable on or disagreed with taking birds of prey respondents' answers to the main question were explored using graphical plots and univariate analyses. Significant variables were identified using Chi squared tests.

A binomial logistic model was then constructed with the dependent variable being whether or not respondents felt that birds of prey should be taken from the amount of variation in attitudes towards wild for falconry purposes. The dependent taking birds of prey from the wild (Table variable was coded as 0 for disagree/ 1). strongly disagree and 1 for agree/strongly agree. Neutral responses (n=125) were disregarded in order to enable the factors distinguishing positive from negative responses to be explored, leaving a sample size of 521. If any variable was not identified as significant by univariate analyses, it was not included in the multivariate model (these variables were area currently living in and area brought up in). Appropriate tests were used to check for significant correlations between explanatory variables and only one of any highly correlated (p<0.05) variables was used in the model. Mode of collection and awareness of falconry

and stakeholder group respectively, hence were not included in the model. The main

Non-significant 2-way interactions and main effects were deleted from the full model in SunningdaleandCheapside,Berkshireusing a stepwise procedure. Model simplification continued until the minimum adequate Questionnaires were delivered personally model was obtained, which was when the between 10am and 5pm on Saturday 30th further removal of any explanatory variable and Sunday 31st May. Questionnaires were would result in a significant change in model fit. The fit of the model was checked each potential respondent to complete it at each stage by examination of a plot of the binned residuals and the value of the Area Under a ROC curve (Gelman and Hill,

Results

Although the response rate for the internet survey could not be determined, the completion rate once the questionnaire had been started was high (95%). Of the 117 questionnaires distributed using the doorto-door drop and collect method, 96 were returned on the day of distribution or later by post. This gave a high response rate of 82%. The completion rate was 100% for door-to-door surveys.

54% of all respondents strongly disagreed from the wild for falconry while 29% of respondents agreed or strongly agreed (n=654; Fig 1). Chi squared tests showed stakeholder group, gender, age, club membership, awareness of falconry, occupation, information provision and mode of collection to explain a significant

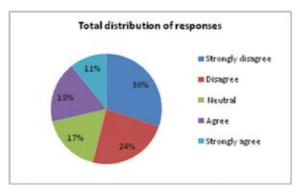


Fig 1: Pie chart showing total distribution of responses to the main question

Table 1: shows results of Chi squared tests of explanatory variables against response to the main question and ratio of percentage strongly disagreeing and disagreeing with the main question against respondents strongly agreeing and agreeing. Area brought up in and area currently living (bold) in were not found to be

Variable	Level	Ratio of percentage disagreement: agreement	X ²	Df	p-value	Sample size
	Male	1.5:1				516
Gender	Female	4:1	33.81	4	P-value	188
	Birdwatchers	8:1	241.25	24	8.16e-07 <2.2e-16 0.021 0.533 0.620 1.114e-05 <2.2e-16 0.023 1.482e-10	103
disagreement:				91		
Group		1:1				110
Group		1:1				164
		4.5:1				189
		16.8:1				56
	1	3.1:1				119
	16-24	1.7:1	34.88	20	0.021	117
	25-30	2:1				58
۸	31-40	1.4:1				134
Age	41-50					160
	51-60					135
	60+					103
	Rural		10.95	12	0.533	235
	Semi-rural			12		253
	Urban					116
	Suburban		-			103
Δrea	Rural		9.95	12	0.620	231
	Semi-rural			12	0.020	276
living in	Urban		-			94
	Suburban					108
Club	Yes					368
			28.24	4	1.114e-05	331
Awareness	Participate and		132.93	12	<2.2e-16	108
	Fully aware, do					144
	Have participated,		-			61
			-			389
Information	More			4		386
			11.38		0.023	326
Mode of	 					593
			51.85	4	1.482e-10	119
	Biologists and		46.27	16	8.838e-05	124
				10	0.0000 05	198
Occupation	Non-professionals		┥			134
	High Interest					206
	Retired	2.6:1	⊣			48

A Principal Component Analysis was used to brought up in, area currently living in and create an attitude score based on the nine information provision (Table 2). raptors.

explanatory variables explained significant of collection and occupation (Table 2). variation in attitude scores except area

attitudinal questions. A positive attitude There were clear differences in mean score represents a positive view towards attitude score between stakeholder groups controlling birds of prey due to their (Fig 3). Scores were highest for pigeon detrimental effects on business and leisure fanciers and field sports participants enterprises and a negative attitude score and lowest for bird watchers and wildlife corresponds to a negative view towards enthusiasts while falconers and members of controlling birds and prey and a positive the public had intermediate scores (Fig 3). view towards the complete protection of The most significant variables explaining variation in attitude scores were gender, One-way ANOVAs showed that most stakeholder group, club membership, mode

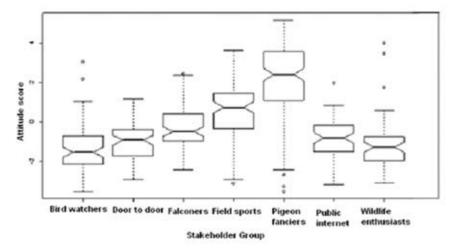


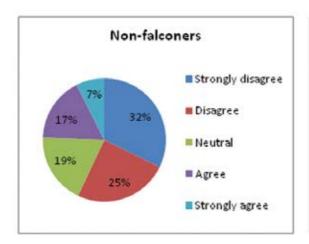
Fig 3: Box plots showing distribution of Attitude score depending on stakeholder group and mode of collection. A positive Attitude score equates to positive feelings towards controlling birds of prey and negative feelings towards protection of birds of prey and the environment more generally (Fig 2).

score, stakeholder group and information information had a more positive attitude provision were significant. Repeating the towards taking birds of prey from the wild model using different baseline groups than those provided with less information. revealed falconers' responses to be Examination of the binned residuals significantly different from those of other suggested that the model adequately met groups and to be most supportive of a wild the model assumptions, and the model take. Pigeon fanciers' responses to the produced a suitably curved ROC curve main question were significantly negative and gave a respectable AUC value of 0.84, compared with falconers' as were responses representing a good degree of accuracy. from bird watchers and wildlife enthusiasts Hence, the model appears to fit the data and members of the public (Table 3). Hence reasonably well. while falconers were mostly in favour of a wild take, other stakeholder groups held **Discussion** more negative views (Fig 4). Respondents This study has highlighted the vastly with a positive attitude score (i.e. those different views towards taking birds of prey more in favour of bird of prey control from the wild held by different stakeholder than protection) were more likely to agree groups. The increase in some raptor species with taking birds of prey from the wild for in the UK has resulted in conflict with

In the binomial logistic model, attitude falconry. Respondents provided with more

Table 2: Table displaying mean, standard deviation and ANOVA p-value for each explanatory variable tested against Attitude score. Asterisks symbolise degree of significance. High interest occupations included those who work in pigeon fancying, falconry, game keeping or wildlife management, Professional occupations included those working as lawyers, teachers, accountants etc and Non-professional occupations included those working as labourers, skilled workers and unskilled workers etc.

Variable	Level	Mean	Standard Deviation	Df	p-value
	Male	0.296	1.914	1	1.124e-12
Gender	Female	-0.872	1.403		***
	Birdwatchers	-1.368	1.205	7	2.2e-16
	Falconers	-0.274	1.009		***
Croup	Field Sports Participants	0.568	1.381		
Group	Pigeon Fanciers	2.112	1.829		
	Public Internet	-0.972	1.061		
	Wildlife Enthusiasts	-1.117	1.374		
	Door to door	-0.994	0.905		
	16-24	-0.569	1.430	5	0.024*
	25-30	0.224	1.643	3	0.021
	31-40	0.208	1.752		
Age	41-50	0.123	1.929		
	51-60				
	60+	-0.041	2.01		
	Rural	-0.003	2.168		0.11
Area	Semi-rural	0.097	1.918	3	0.11
brought up	Urban	0.105	1.887		
5 1		-0.23	1.783		
	Suburban	-0.347	1.729		
Area	Rural	0.085	1.975	12	0.620
currently living in	Semi-rural	0.028	1.81		
livilig ili	Urban	0.041	0.041		
	Suburban	-0.421	2.105		
Club	Yes	0.579	2.022		2.2e-16
membership	No	-0.679	1.403	1	***
Awareness	Participate and fully aware	-0.142	1.217	3	0.037 *
of falconry	Fully aware, do not participate	0.407	2.181		
	Have participated, not fully aware	-0.131	1.412		
	Heard of falconry	-0.124	1.93		
Information	More	0.05	1.932	1	
Provision	Less	-0.101	1.777		0.314
Mode of	Internet	0.182	1.945	1	1.316e-9
collection	Non-internet	-1.001	0.889		***
	Biologists and Students	-0.716	1.265	4	1.861e-11
	Professionals	-0.348	1.585		***
0	Non-professionals	0.645	2.123		
Occupation	High Interest	0.602	1.692		
	Retired	-0.2	2.058		



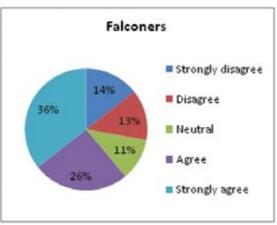


Fig 4: Pie charts illustrating variation in responses to the main question between falconers and non-falconers

Coefficients	Estimate	Standard error	Pr(> z)
(Intercept)	1.896	1.092	0.083.
Gender Male	-1.075	1.12	0.34
Attitude score	0.613	0.096	1.57e-10***
Information More	0.676	0.24	0.005**
Group Bird watchers and Wildlife enthusiasts	-3.577	1.177	0.002**
Group Public	-3.29	1.125	0.003**
Group Fieldsports participants	-2.897	1.83	0.113
Group Pigeonfanciers	-5.826	1.636	0.0004***
Gender Male: Group Bird watchers and wildlife enthusiasts	0.404	1.292	0.754
Gender Male: Group Public	1.657	1.202	0.168
Gender Male: Group Fieldsports participants	1.521	1.867	0.415
Gender Male: Group Pigeonfanciers	3.217	1.636	0.05*

Table 3: The minimum adequate model for the degree to which people are more or less likely to agree with taking birds of prey from the wild for falconry (estimate), dependent on their demographic and attitudinal status. The estimates for each factor level are given in comparison to the baseline, which is 'Falconers' for Group. Significant levels and variables are highlighted in bold.

humans (Park et al., 2008; Henderson et for falconry are first-year birds which al., 2004; UK Raptor Working Group, 2000). The reintroduction of issuing licences for a hunting season (Epstein, 1943). In many wild take for falconry has been suggested countries such as the US, South Africa and as a method of resolving conflicts without Arabia a wild take for falconry is permitted. resorting to lethal methods of control (Gage, 2006). However, a serious conflict exists between stakeholder groups. Bird conservationist groups call for increased protection of birds of prey while pigeon fanciers and gamekeepers complain of of harvesting vary between species, a unacceptable levels of predation (Galbraith et al., 2003; Henderson et al., 2004). These divisions are well represented in the results of the questionnaires, as well as in the controversy that surrounded the questionnaire on some of the internet forums (see Robertson, 2009 Appendix 4 for some of the comments posted).

Respondents supplied with a greater amount of information in the questionnaire had more positive attitudes towards taking birds of prey from the wild than those supplied with less information, suggesting a lack of understanding among stakeholders opposed to wild take. Information provided in questionnaires significantly affected responses to the main question, but had no effect on responses to the attitudinal questions. Perhaps respondents had preconceived conceptions regarding affected by the information provided, while little was known about taking birds from the wild, resulting in greater differences in attitude between respondents with more and less information. While efforts were made to ensure the information was unbiased, few precautions can be taken to control how a respondent absorbs information, which can have a significant effect on attitudes and behaviour (Hyman and Sheatley, 1947; Ni et al., 1999). In general, taking the whole sample into account, attitudes towards taking birds of prey from the wild for falconry were negative.

If falconers wish to resume this activity, they will have to prove it has no effect on wild bird of prey populations, as has recently been accepted for some species in the US (Millsap and Allen, 2006), and succeed in changing the attitudes of the majority of the public and stakeholder groups.

are released back into the wild after one An examination of harvest rates in 1988 showed that falconry had a negligible effect on wild raptor populations in the US (Millsap and Allen, 2006). Millsap and Allen (2006) suggested that while the effects harvest of up to 5% of the total population of more common species appears to be sustainable, and potential conservation benefits have been identified as a result of a regulated wild take (Kenward & Gage 2008). In 2003-2004, harvest rates were below the recommended thresholds. Hence, it was concluded that a wild take for falconry had no significant effect on raptor populations in the US. This has been observed in other countries. In the 1960's, Cade (1968) estimated that approximately 25%-50% of Iceland's annual gyr falcon (Falco rusticolus) production was exported for falconry with no overall consequences for the breeding population. Similarly, Blood (1968) reported that the harvest of 12 eyas peregrines from the Queen Charlotte Islands did not affect the island's breeding population.

the attitudinal questions which were not There is, however, concern that harvesting wild birds for falconry in some parts of the world is responsible for a decline in populations. Middle Eastern falconers are prepared to pay high prices for wild caught sakers (Ming and Ying, 2007; Galushin, 2004). The total scale of the trade is not known, but from 1992-1998, 947 sakers were confiscated and 2000 poachers arrested. Laws are poorly enforced with penalties for trappers light and profits high (Li et al., 2000). In the UK, by contrast, raptor-protection laws are more heavily enforced, so wild take would be directly regulated. However, the number of people keeping hawks and owls has increased in the UK since the 1980's to an estimated 25,000 in 2007 (Kenward and Gage, 2008; BFC, 2007).

Conclusion

Public opinion can greatly influence government policy (Davis et al., 1970; Page and Shapiro, 1983) hence it would Traditionally, birds taken from the wild be unwise to resume the current legal

provision for wild take without efforts to First, however, any information gaps that can reach as many people as possible. conflict between stakeholders.

change public support. The strongest need to be addressed. With this in mind, effects on public support for the policy and based upon the mixed experience that we found were information provision of the demographic effects of wild take and underlying attitudes to birds of prey on populations of birds of prey reported and the environment; the former is above, we recommend that a population easier to address than the latter through viability model be used to measure the education and the provision of objective effect that different harvest rates would analyses. If resumption of a wild take have on common species of birds of prey is to be accepted by the public and the in the UK. These objective analyses would government, our study suggests that this allow fair consideration of whether a wild will depend upon the prior dissemination take would have any measurable effect on of accurate unbiased information in a way wild raptor abundance, and thereby reduce

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LOU WOYCE 25 MAY 2009

falconers, Lou Woyce, died after battling great little Anatum tiercel who flew very many ailments. Many of you may not have known him but he was one of the the tiercel up, and he went out of sight of early passage peregrine trappers, and he annually participated in the long standing (more than 35 years) Peregrine surveys for him. I accepted it as a compliment from on Assategue Island. He contributed to a great man. American falconry in many ways.

man of enthusiasm for all things falconry, passage peregrine trapping, and all those things of spirit that make us what we are. as a devoted falconer. He was a wonderful mentor and friend.

he was getting to the end.

We had a wonderful relationship. Over the years, he gave me hoods and other things. I never did get one of his blocks even though he wanted to make me one.

Yesterday one of the really great American Once at a NAFA meet in Kansas I had high. Lou was out with me one day, I put binoculars. Lou mentioned several times that that flight redefined "up out of sight"

He flew from us, but behind he leaves us To have known Lou was to have known a with his great spirit. I will miss him. Please spread his memory throughout the world. He deserves our respect for the life he lived

A memorial service will be held for him He was a great falconer, trapper and man. on Assategue Island this fall where his I knew he wasn't well, but I did not know ashes will be spread while the great Arctic Peregrine migration will be passing overhead to take those ashes with them along their journey so that

the life cycle may be continued.

Frank M. Bond, President

GEOSPATIAL PIONEER AWARD



Environment Agency – Abu Dhabi (EAD), has won the Geospatial Pioneer Award for his valuable also aids in addressing future needs of environment contributions to geospatial technologies and pioneering work in the field of Environmental Analysis and Management for the past 15 years. The ceremony took place at Map Middle East 2010 and the sixth edition of the Annual Middle East Conference and Exhibition on Geospatial Information Technology and Applications, which was held at the Abu Dhabi National Exhibition Centre from March 22-24, 2010.

Al Mansouri was recognized as one of the pioneers in the field of environmental analysis and vision and his innovative ideas of making the region a better place to live has given geospatial technologies a vital place in environmental management.

He was also praised for his competent and dynamic leadership of EAD where he directed the Agency to use geospatial technologies for many years in multiple ways since its inception. He was also recognized for having led farsighted and Environmental Information Systems and a

H.E Majid Al Mansouri, Secretary General of Regional Knowledge Network in Abu Dhabi, which not only helps in conserving the environment but and society.

> EAD supported the organization of the three-day conference and exhibition, which is being organised by GIS Development Pvt. Ltd. in cooperation with Space Reconnaissance Centre, UAE. This annual event is an international platform designed to bring together the geospatial community to encourage geospatial related ties and collaborations at national, regional and global levels for the overall growth of geospatial industry in the region.

Through its participation in Map Middle East, management. He was praised for his tremendous EAD was able to interact with other government entities that use GIS and learn about their data holdings. The Agency's exhibition booth displayed several GIS-enabled applications. The applications included the Abu Dhabi Soil Information System (ADSIS), Geoportal and Air Quality System.

EAD also co-hosted a one day symposium on environmental management related to geospatial information. The symposium was attended by several speakers from various international initiatives to establish Spatial Data Infrastructure organizations, together with specialists from the Agency, 🐨

CHASA PRESIDENTS AWARD

At a recent meeting of CHASA (Confederation on Hunting Associations of South Africa) it was unanimously decided that Dr Adrian Lombard will receive the President's award for his contributions to Falconry in South Africa. Dr Adrian Lombard, a Medical

Doctor by profession, has had a keen interest in raptors and Falconry since early childhood. Growing up in Zimbabwe he was a

founder member of the Zimbabwe Falconry Club and briefly served as the Secretary in the early 1970's. After completing his studies, he moved to Cape Town in 1980. Falconry was banned in the Cape at that stage. He, however, joined the Cape Falconry Club (CFC) when it was established in 1993 and was instrumental in developing the Falconry Policy for the Western Cape that is now been accepted, with minor modifications, in the Northern Cape and Free State and has been proposed as a national policy. He became the Secretary of the Cape Falconry Club in 1995. He held this position until he became Chairman in 2003. He resigned as Chairman in 2007 and has been a Committee member since then. He has represented the CFC at South African Falconry Association (SAFA) since 1998.

the Provincial Conservation Authorities on Falconry issues. In 2008, at the International Falconry Meet heldat Thaba Nchu, he, as the South African Falconry Association (SAFA) representative, established the National Falconry Communicating Group, which is a group composed of representatives of all Provincial Nature Conservation Authorities, all provincial Falconry Clubs and of the Department of Environmental Affairs and Tourism. This is a group that is informed on Falconry issues and which can communicate via e-mail.

He became Secretary to South African Falconry Association (SAFA) in 2002 and conceived and edited the annual SAFA Magazine, Mews Views, since 2003. He has represented SAFA at the Birds of Prey Working Group of the Endangered Wild Life Trust since 2004. He has represented SAFA at the International Association for Falconry and the Conservation of Birds of Prey (IAF) since 2004. Unofficially, he has presented a contribution on

behalf of the Zimbabwean Falconry Club at the inaugural meeting of the Birds of Prey Working Group in 2003, and has reported on behalf of the sustainable utilization in the conservation of South Zimbabwean Falconry Club to the IAF, each year



from 2004.

Dr Lombard facilitated the establishment of SAFA as a Full Member of the International Association for Falconry and the Conservation of Birds of prey (IAF) in 2004 when he attended the IAF AGM in Abu Dhabi. At that meeting he represented South Africa and was a member of the Working group that formulated the IAF Position Statement on the Saker Falcon. He

subsequently represented South Africa at the following IAF Meetings:

Opocno, Czech Republic, 2005.

Kearney, Nebraska, USA, 2006.

Thaba Nchu, Free State Province, South Africa,

Wokefield near Reading, UK, 2009.

He was elected to serve as a Member of the Advisory Committee to the IAF in 2006 and was then appointed to the Board of the IAF to serve as Executive Secretary in 2007.

In 2008, he, as a member of the SAFA ExCo, organized the 2008 IAF AGM in conjunction with the SAFA Annual Field Meet at Thaba Nchu, South Africa. At this event we hosted over 30 delegates from 21 Nations.

In more recent years he has liaised with many of In his role as IAF Secretary, he has extensive contact with falconers and falconry organizations, conservation organizations and hunting organizations word-wide. This includes organizations such as the Archives of Falconry and FACE.

> In 2005, he represented South Africa, and presented on the Southern African Heritage of Falconry at the conference on the Heritage of Falconry in Abu Dhabi. This conference was the initiation of the establishment of Falconry as a World Cultural Heritage Activity with UNESCO and was attended by the Director for Cultural Heritage of UNESCO.

> In 2005 he was asked to head the Pan-African Working Group of the IAF and initiated the formation of the African Union of Falconry.

> His aims are to cement the position of Falconry as a respected and legitimate hunting discipline in South Africa and to gain recognition for, and to promote, the invaluable role of Falconers in Conservation. He seeks to increase awareness and appreciation for the essential role played by Africa's Natural Heritage.



Scenes from the 2009 IAF AGM













































