

FEBRUARY 2017

ISSUE NO 397

# HINXTON NEWS



*"THE NEVER-ENDING STORY OF VILLAGE EVENTS"*

*"A jolly good read"*

COMPLETELY **FREE** and UNEXPURGATED



## From the Editor

*Dear Readers,*

A year or so ago, there was some discussion about having a **"Grumpy Letters"** feature in Hinxtton News. (*You know....Mr Angry.. address withheld* ). The suggestion was rejected on the basis that the News should only accentuate the positive. The idea was precipitated by a sudden rise in dog 'poo' incidents appearing on our pavements.

*Well, its happening again!*

It is unbelievable that there are still dog walkers who do not understand how anti-social this is. The law is quite clear and good neighbours *will* make the effort to clean up after their pets.

In stark contrast to this attitude, **Fiona Marshall** has launched her **"Big, Small and Wild Ideas"** campaign, on p.3 opposite. This is a marvellous initiative deserving of everyone's support, so put your thinking caps on Hinxtton.

Look out for the changes in the bin collections. p.24

*Mondays will never be the same !*

The Wellcome Genome Campus Public Engagement team have extended an invitation to visit the site to learn all about their activities. This is explained on p.17

Theresa is holidaying at the moment so Mel has stepped up to help with proof reading. **This is an exact art.**

You may have noticed in the past that your editor has been known to make a mistake or two.

Not this month. ....'Perfickshun .' Thanks Mel.

*Mike & Mel*

## CONTENTS

**4/5 Church News**

**9 Deanery Spring Fair**

**11 Heidi**

**13 Villagers Red Night Out**

**14/15 Watermill Feature**

**18/19 Niamh in Nepal**

**20/21 Council Stuff**

**23 Future Dates**

**24 Diary**

Contact Mike Boagey 85 High Street, Hinxtton CB10 1QY

01799 530216 jaboagey@gmail.com

Theresa Sullivan 89 High Street, Hinxtton CB10 1QY

01799 531533 news@hinxttonvillage.co.uk

Hinxtton News is an independent village newsletter, established and run by volunteers.

Copying facilities and paper are generously provided by the Wellcome Trust.

Its mission is to inform residents of local issues and to maintain and promote community spirit.

*The News* has a current circulation of approximately 170 and is delivered free of charge to all Hinxtton households.

### Disclaimer

The Editors are not responsible for the opinions expressed by contributors, nor do they accept responsibility for the accuracy of information contained in the advertisements

# HINXTON: WE NEED YOUR IDEAS

TO SHAPE THE FUTURE OF OUR VILLAGE AND PARISH!



All ideas welcome:  
BIG ideas, SMALL ideas, WILD ideas?  
How should our parish look like?  
What will enhance our quality of life?



For example:

- More trees on the High Street, perhaps as traffic-calming chicanes?
- Wildflower verges? Spring bulb planting? Wall-hung planters?
- Improved walking, cycling and horse-riding links to Duxford, Ickleton and Gt Chesterford? Greenway Routes? Safe routes to Schools?
- Active policy of painting houses different colours?
- Look at the stars! Dark Skies Initiative?
- Village Art Display Board on the Bus Shelter(s)?
- A pop-up shop? Hinxton collective buying of firewood or heating oil?
- Renovate the damaged railing along the river on the Ickleton Road?
- More footpaths around Hinxton parish - e.g. East of the village?
- Other ideas...????



**Get your thinking caps on!**  
Send your **ideas, drawings etc,**  
and **offers to help** (in any capacity!)  
to Fiona Marshall (fmih100@gmail.com)  
or contact Hinxton Parish Council.  
**And watch this space for updates!**



**A plan to develop a vision for the future of our village!**

We need an active and forward looking view on what we can do to enhance our village rather than sitting back and waiting to see what happens!



*Services in February*

5th Feb Four before Lent	<i>8 am Holy Communion (BCP) DUXFORD</i> <i>10 am Parish Eucharist with Sunday School ICKLETON</i> <i>6:30 pm Evensong (BCP) HINXTON</i>
12th Feb Three before Lent	<i>8 am Holy Communion (BCP) HINXTON</i> <i>10 am Messy Church, Laceys Way CC NI /Team_ DUXFORD</i> <i>10 am Parish Communion DUXFORD</i> <i>5 pm Taize Service ICKLETON</i>
19th Feb Two before Lent	<i>8 am Holy Communion (BCP) ICKLETON</i> <i>10 am Parish Communion HINXTON</i> <i>6:30 pm Evening Prayer with Laying on of Hands DUXFORD</i>
26th Feb Sunday next before Lent	<i>8 am Holy Communion (BCP) DUXFORD</i> <i>10 am All-Age Service DUXFORD</i> <i>6:30 pm Evensong (BCP) ICKLETON</i>
1st March Ash Wednesday	6:30 pm Eucharist with imposition of Ashes <i>HINXTON</i>



**Women’s World Day of Prayer**

This year’s service will be held  
at 2.30pm on Friday 3<sup>rd</sup> March  
Duxford United Reformed Church.

The theme is ‘Am I Being Unfair to You?’ and the service has been prepared by the women of the Philippines.

This is an inter-denominational service and everyone is welcome.

It will last for about an hour.

Refreshments will be served after the service.

Transport can be arranged for those who require a lift.

**Julie Baillie 01799 530684**

**CHURCH CLEANING & FLOWER ROTA**

For Sunday.....	Cleaning	Flowers
05 February	Margaret Malcolm & Ros Smith	Jenny Grant
12 February	Joan Roberts & Kate Riley	Deborah Cooper
19 February	Ros Smith & Deborah Harris	Ros Smith
26 February	Jane Chater & Lesley Mills	Lesley Mills



The hustle and bustle of Christmas with the Carol service, Christingle and all the excitement of the day itself, followed quickly by New Year and the magnificent fireworks silhouetting the London skyline, are all over. Two or even three months of build-up are behind us and for a short time a slightly empty feeling seems to take over.

Quickly, a sense of renewal is in the air. New calendars are up, suddenly the mornings are lighter and the evenings are perceptibly more drawn out and yes, Spring seems not so very far away!

However, when I get to write about February, I struggle to think of what are the distinguishing marks. I note from the amazing compendium that is Wikipedia, that in America, February 1<sup>st</sup> is National Frozen Yoghurt Day, and the 7<sup>th</sup> is National Pizza Day. Not exactly food for the soul!

In the Church February precedes, or in its latter days contains, Shrove Tuesday and the first days of Lent, traditionally marking a period of self-denial. So it is an important month during which we can prepare ourselves to meet all the challenges of the coming year. We certainly have plenty to face, but firmly we believe, not alone.

And so this month anticipates a number of things in the church which will happen in March. Lent begins on the 1<sup>st</sup> March, Ash Wednesday, and there will be a short Communion service in church that day. Looking much further ahead Hinxtton will host the three parishes at a Palm Sunday the week immediately preceding Easter) service. We will assemble, with Palms provided, at the gates of Hinxtton Hall just before 10 am and process to church. All are very welcome to join.

On Saturday 4<sup>th</sup> March the Granta Deanery Fair will be held in Great Shelford Memorial Hall. Cakes, Produce, Refreshments, White Elephant, crafts, books and many other stalls. Traditionally, Hinxtton runs a glass stall and contributions of glass and other goodies for that matter could be given to Julie Baillie, Ros Smith or Margaret Malcolm. Your attendance and participation at Great Shelford would be very welcome.

On Saturday, 11<sup>th</sup> March the Friends of Hinxtton Church will be organising, in conjunction with the choir of Peterhouse College, a choral concert. There will be no charge or tickets required for this event but a retiring collection will be taken for the upkeep of the church building. Current projects are a major clean and overhaul for the organ, and restoration of the main door. Both projects are long overdue.

We wish everyone in the village a peaceful and thoughtful recharging of the batteries in this quiet month. We thank you for your continuing and major generosity towards the maintenance and up keep of our treasured medieval church.

Andrew

## Introducing 'Youth In'

It's a well-recognised fact that the average age of the church population, like the general population, is increasing. This presents many challenges for the church, not least the fact that many of our activities and services are rather traditional and perhaps not completely young-person friendly! This is something that we've been thinking about for a while in Ickleton, Duxford and Hinxtton and after some research and planning we've created a new initiative for young people interested in exploring spirituality, Christian faith and its relevance in the modern world.

The **Youth In** initiative is run by a dedicated part-time youth worker – Emma Perkins – who will create and run regular sessions with young people aged over 9 years old. She'll work with the young people to design and structure the sessions to make them really relevant and aimed at discussing the things they think are important. It is hoped that this initiative will grow in the future and expand across a number of local villages to provide a rural hub supporting young people as they explore aspects of faith and belief.

The funding for this initiative is being provided from a dedicated educational fund from Ickleton church, the Granta Deanery and the Diocese of Ely.

This programme also compliments the existing activities we run for children: The Sunday School held at Ickleton on the first Sunday of every month at 10am and Messy Church held at 10am on the second Sunday of the month at Lacey's Way Community Centre, Duxford.

To find out more visit the website [www.hinkledux.com/category/young-people/](http://www.hinkledux.com/category/young-people/) and keep up to date on all our events using the calendar [www.hinkledux.com/calendar/](http://www.hinkledux.com/calendar/)

You can also contact Jenny Duke: [jenny@jennyduke.com](mailto:jenny@jennyduke.com) or Margaret Malcolm [margaretj.malcolm@gmail.com](mailto:margaretj.malcolm@gmail.com)



## The Hundred Parishes Society



The website [www.hundredparishes.org.uk](http://www.hundredparishes.org.uk) is the main channel through which the Society seeks to achieve its charitable objectives. The first of these aims is “to advance the education of the public in the character and history” of the Hundred Parishes. We hope that those with an enquiring mind will dip in from time to time and see what we have to say about a particular parish or a local ‘celebrity’.

We like to challenge your local knowledge with the photo that appears at the top of each web page. The picture changes every couple of weeks and on the Home page we explain where the last one was taken. Sometimes the image is seasonal. For example, in November we showed the war graves in Saffron Walden cemetery. In December there was a view of the Rib valley from Cold Christmas in the parish of Thundridge. Currently . . . sorry, I’m not allowed to tell you! But if you think you know, please feed back a response.

Many of the photos on the website will appear in a guidebook to the area which the Society plans to publish later this year. We will be sure to let you know when it is available.

In the meantime, we encourage you to get out locally. You don’t have to travel far to discover another parish, an untried lane or footpath, a new listed church, or somewhere new for lunch or tea. Please check out the parish introduction on the website before you set off – it may help with ideas, phone numbers, etc.

Ken McDonald, Secretary

# FITNESS CLASSES



## Pilates

Pilates exercises will help to alleviate back pain, increase core strength and flexibility.

Please book for 6 weeks - £39.

**Monday 8pm** at Ickleton Village Hall

**Thursday 8pm** at Duxford School

**Friday 10:45am** at Abington Institute

## Zumba

The Zumba program fuses hypnotic Latin rhythms (such as Merengue, Salsa, Reggaton).

Dance yourself fit! Just turn up - £5.

**Monday 7pm** at Ickleton Village Hall

**Thursday 7pm** at Duxford School

Please contact me for more information.

Disa (07798) 754029 or [disa\\_bennett@hotmail.com](mailto:disa_bennett@hotmail.com)

[www.zumbaandpilatescambridge.co.uk](http://www.zumbaandpilatescambridge.co.uk)

## **FEBRUARY BULLETIN FROM CAMBRIDGESHIRE FIRE AND RESCUE SERVICE**

ON-call firefighters are a vital part of today's fire and rescue service, providing an efficient, effective service that gives emergency cover to more than 90 per cent of the UK. In Cambridgeshire they make up 56 per cent of the workforce.

An on-call firefighter is not based at a fire station but carries a pager and responds to emergency incidents as and when they happen.

They receive an annual wage to reflect the time they commit to being available plus additional payments for attending incidents and drill nights (one evening a week for two hours).

On-call firefighters are men and women who may have other jobs and are able to provide evening, daytime or weekend cover. When they are on-call they may be at home, working for themselves or for a nearby company or out in their local community (staying within a five-minute travel time of the fire station) and are generally located in rural communities, small towns and villages.

If you would like to become an on-call firefighter, or find out more, then please go to our website at [www.cambsfire.gov.uk](http://www.cambsfire.gov.uk) and search for on-call firefighter under the careers section.

For the latest news, incidents and safety advice, or to contact us, log on to [www.cambsfire.gov.uk](http://www.cambsfire.gov.uk). Sign up to email alerts and find us on Twitter, Instagram, YouTube and Facebook.

For more information on firework and bonfire safety log on to [www.cambsfire.gov.uk](http://www.cambsfire.gov.uk) follow us on social media or call 01480 444500.



Did you see this fantastic sunset on the night of 18th January ?

# BINGO for VEGETABLES

It's back !

First Special Session will be in the Village Hall on March 24th

ENTRY FEE £2 PER ADULT (children free)

Entry includes tea/coffee and cake

GAME STRIPS £1 FOR 6 games

7pm first call at 7:30

All our regulars are asked to bring a friend or two  
who will gain FREE entry

\*\*\* EXTRA SPECIAL ROLL OVER PRIZE \*\*\*

Granta Deanery

# Spring Fair



Saturday 4th March

10.00–12.00 noon

**Great Shelford Memorial Hall**

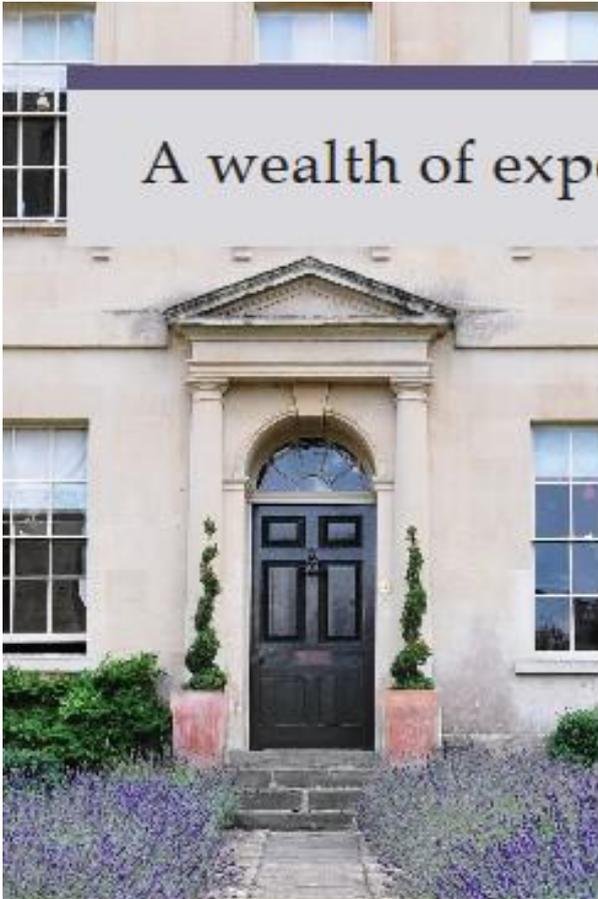
*Cakes Produce White Elephant Toys Jigsaws*

China Glass Card & Craft Gifts Tombola

Raffle Refreshments Wide Range of Books

**Entrance: Adults 50p Children Free**

**Supporting the Churches' work for  
village communities in South Cambridgeshire**



## A wealth of expertise on your doorstep

We provide a comprehensive wealth management service, offering specialist face-to-face advice tailored to you. Our services include:

- Investment Planning
- Retirement Planning
- Mortgages
- Inheritance Tax Planning
- Intergenerational Planning
- Protection Planning

*Your home or other property may be repossessed if you do not keep up repayments on your mortgage.*

For further details please contact:



**Swallow Wealth Management**

Tel: 07903 813583

Email: [mark.swallow@sjpg.co.uk](mailto:mark.swallow@sjpg.co.uk)

[www.swallowwealth.co.uk](http://www.swallowwealth.co.uk)

### The Ickleton Ceilidh

Saturday 4th March, 7:30pm



Ickleton Village Hall

With

The Cambridge University

### CEILIDH BAND

Tickets: Adults £12, Children to 16, £4

Price includes a Newmarket Sausage Supper  
or vegetarian option

Cash Bar

Tickets from Costcutter Ickleton Village Shop

Or

John Fowler

01799 531779 or email  
[jandsfowler@btinternet.com](mailto:jandsfowler@btinternet.com)

## Have you heard



**Advanced hearing technology now available right here in Cambridge**

If you're among the one in six UK adults who suffer from age-associated hearing loss, the arrival of one of Britain's leading hearing experts in the local area would be music to your ears.

**Why not contact Trevor's team today to book a FREE hearing assessment and FREE 30 day trial!**



**Call 01223 661399 or email [info@anglihearhearing.co.uk](mailto:info@anglihearhearing.co.uk)**

**Or simply drop in and see us at Suite 3 Grain House, Mill Court, Great Shelford, Cambridgeshire, CB22 5LD**



**angliEAR**  
Hearing & Vision Solutions  
Star Your Life

[anglihearhearing.co.uk](http://anglihearhearing.co.uk)

# Heidi

As this is my first newsletter of 2017 may I start by wishing my constituents health and happiness in the New Year. Let's make it the best yet!

In the twilight of 2016 I visited the Blood Donation Centre in Long Road, Cambridge for my first ever blood donation. I have to say, it was utterly painless, parking was free and I had my choice of biscuits afterwards! Giving blood is easy, very quick (I was in and out in less than an hour) and it saves lives. The blood service have come up with a great resolution for the New Year – 'don't give up, just give'. If you can donate, please go to [www.blood.co.uk](http://www.blood.co.uk) or call 0300 123 23 23 to book your appointment.



I was honoured to be invited to the Gamlingay Cubs 100 year promise party. I've never been asked to do a 'wolf howl' at the start and end of a party before but I really enjoyed re-making my own pledge and seeing the excellent work of this Cub pack in action. Thanks to Steve and all the Gamlingay Cubs for having me along.

The Christmas period also gave me time to visit the Cambourne Food Bank, a poignant reminder that Christmas isn't easy for those struggling with basic needs. It is open every Thursday from 10.00-12.00 at the Old Blue School on Eastgate. You can find out how to apply for a voucher here <https://cambridgecity.foodbank.org.uk/get-help/foodbank-vouchers/> The Food Bank is run by kind, dedicated volunteers who try their very hardest to help with the many issues that bring someone to a Food Bank. I'm hoping to be able to work with them more in the future, unlocking some of the housing and benefit difficulties that are often at the heart of food poverty.

I'm delighted to share the launch of Cambridgeshire County Council's Communities Innovation Fund which gives community groups the opportunity to apply for funding for initiatives which will improve lives. If you know of a scheme that enhances your community and helps people stay safe and independent, please see [www.cambscf.org.uk/ccif.html](http://www.cambscf.org.uk/ccif.html) for details of how to apply.

December saw the publication of the National Schools Funding Formula from the Department of Education. I'm still analysing the data and will be writing to my schools for feedback on proposals. If you want to contribute, please make your views heard here <https://consult.education.gov.uk/funding-policy-unit/schools-national-funding-formula2/>.

The consultation closes on 22<sup>nd</sup> March 2017.

I'm continuing to push for safer and more efficient roads in our region and joined the A1307 Forum last month. Constituents from Babraham, or those who work at Granta Park, will know the impact this road has on the surrounding region and the A505. These roads are no longer fit for purpose, so alongside an improved road crossing at Foxton, I'll be pushing these initiatives in 2017. With the city deal, devolution deal and the £1.1bn announced in the Autumn Statement for road congestion pinch points, I am confident we can build a strong case to put to Government.

Turning to buses and trains, I'm inviting constituents to contact me about any issues they have with existing public transport services. I have been contacted by



a number of residents about unreliable services, so if you too have experience of this, please contact Nicola in my office on the contact details below.

One of the best parts of my job is getting to know you at my surgeries and events. If you have a concern you think I could help with, or some feedback you'd like to share with me, please get in touch.

You can find details of my no appointment needed surgeries here [www.heidisouthcambcs.co.uk/residents-drop-surgeries](http://www.heidisouthcambcs.co.uk/residents-drop-surgeries) I'll be in Comberton in February. Or you can phone 01954 212707 or email me at [heidi.allen.mp@parliament.uk](mailto:heidi.allen.mp@parliament.uk)



# YOGA

## NEW TERM STARTS

Term dates – 13<sup>th</sup> Jan to 24<sup>th</sup> March  
Half- term break - week of 13<sup>th</sup> Feb

### Fridays at 9.30am

at Hinxton Village Hall

Beginners welcome, £10 per class or  
£56 for seven week term  
Private classes also available

Please contact Zoë on 07956 644254

[yoga@zoekirby.com](mailto:yoga@zoekirby.com)

Keep up to date on

[www.facebook.com/eatwellandbreathe](http://www.facebook.com/eatwellandbreathe)



## HINXTON PARISH COUNCIL

William Brown ( Chair )  
01799 530372  
07791-399318  
[william.brown@econ.cam.ac.uk](mailto:william.brown@econ.cam.ac.uk)

Dick Jones  
01799 530107  
[valdours@aol.com](mailto:valdours@aol.com)

Steve Trudgill  
01799 539691  
07930 248897  
[stt21@cam.ac.uk](mailto:stt21@cam.ac.uk)

Mark Alexander  
01799 530718  
07957930037  
[mark.c.alexander.hinxton@gmail.com](mailto:mark.c.alexander.hinxton@gmail.com)

Julian Bright  
01799 531440  
07808 588448  
[julian.bright@me.com](mailto:julian.bright@me.com)

Ann Angell ( Clerk )  
01799 531827  
07890 512309  
[hinxtonpc@gmail.com](mailto:hinxtonpc@gmail.com)

Jane Chater  
01799 530245  
[janechater@gmail.com](mailto:janechater@gmail.com)

Fiona Marshall  
01799 530425  
[fmih100@gmail.com](mailto:fmih100@gmail.com)

## HINXTON VILLAGE HALL HIRE RATES

Current rates are as follows for residents  
(*non residents in brackets*)

Per session (9am - 1pm) (1pm - 5pm) (5pm - 11.30pm) or 10.30pm on Sunday **£30 (£45)**

Saturday evening **£60 (£85)**

Short meetings **£12** (use of hall only)

Discounts may be available for block bookings and charitable events

For these and details of business-use rates

contact Julia Lowndes

Tel: 01799 530785 [julia.lowndes@btinternet.com](mailto:julia.lowndes@btinternet.com)

[www.hinxtonvillagehall.co.uk](http://www.hinxtonvillagehall.co.uk)



February Greetings to  
Hinxton Villagers  
from all at The Red Lion Inn

Some 2017 events for your  
diaries  
(see the website for menus/  
details):

**St Valentine's Menu**  
**Tuesday 14<sup>th</sup> February**

**Mothering Sunday**  
**26<sup>th</sup> March**

11:45am until 8:30pm.  
**Early booking vital**

**Dining in the Dark**  
**Friday 10<sup>th</sup> March**

The blind-folded tasting dinner  
raising funds for CamSight

*"Always a sell out"*

We look forward to  
welcoming you & your  
friends.

Alex, Nikol, Janice, Chris  
and the teams

01799 530 601

info@redlionhinxton.co.

Come and join us at  
the Hinxton  
Villagers Night Out  
at The Red Lion....  
February 10th



*Menu*

MAIN COURSE

Confit Duck Leg

*Braised red cabbage,  
roasted new potatoes, orange sauce*

FISH PIE

*(Salmon, smoked haddock, hake, prawns)  
cheesy mash, broccoli*

DESSERTS

Chocolate Brownie

*Warm chocolate sauce  
vanilla ice-cream*

Lemon & Lime Posset

*Home made cookies*

£10 main course    £4 Dessert

*£3 Drinks all night*

*(Pints Wherry, R & B, Carlsberg, 175ml house wine)*

# THE HISTORY OF THE WATERMILL

The first documented use of watermills was in the first century BC and the technology spread quite quickly across the world. Commercial mills were in use in Roman Britain and by the time of the Domesday Book in the late 11th Century there were more than 6,000 watermills in England. By the 16th Century waterpower was the most important source of motive power in Britain and Europe. The number of watermills probably peaked at more than 20,000 mills by the 19th Century.

The Norman Conquest introduced the feudal system to the country and 'soke rights' forced everyone to have their corn milled at the mill owned by their Manorial Lord which stayed in use until as late as the 19th Century. Although the "Right of Soke" was never written in law, it was commonly practised in Britain – and throughout Europe – until the 16th century, even after the country had moved away from feudalism. Watermills continued to play an important role in British rural life and were in growing demand, as improvements in farming techniques enabled farmers to produce even more corn, which was being ground to make flour in local mills such as the 'Old Mill'.

With agricultural developments at the beginning of the Industrial Revolution, people began to move away from agriculture into other industries. The population began to move to Britain's growing towns and cities in search of the new jobs and by the mid-nineteenth century Britain had changed drastically. The population had doubled in less than 60 years, Britain was becoming increasingly urbanised and technology was changing the processes of production.

There was a growing demand for flour within towns and cities and shortages developed. To fill the gap, Britain became more reliant upon imported corn from countries such as the USA and Russia. These imports were limited due to the unpopular '1815 Corn Laws', which placed quotas and levies upon the crop to protect British landowners from competition. In 1846, the 'Corn Laws' were repealed, allowing unlimited imports of the crop into the UK and this finally signalled the end of the water mill.

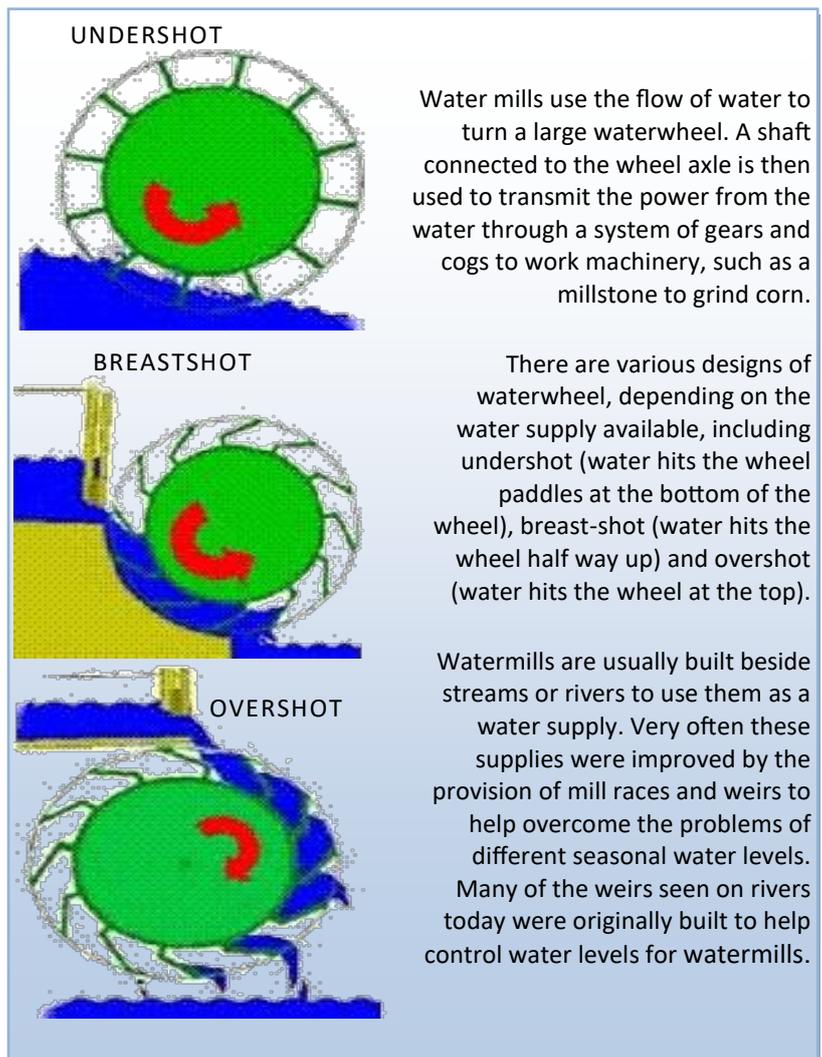
Large quantities of the crop were arriving in Britain's ports and although water mills were still being used during this period, they were coming under increased pressure from the new steam mills. Despite initial problems with steam engines, over the years they became

more and more efficient. The new mills also favoured a roller rather than the millstone that was used in water and windmills. The roller had two advantages; it produced whiter flour, which was considered to be superior, and it left less oil in the flour, so the bread lasted longer.

As the quantity of corn produced on local farms fell and the amount imported increased, this combined with a growing demand for flour in towns and cities. Land communications improved with the introduction of the railways which allowed flour milled in the ports to be moved easily to the towns and cities where it was needed.

Rural water mills began to close down to be replaced by the large, industrial, port-based steam-powered mill and by the end of the 19th Century almost all rural watermills had ceased commercial production.

## How Mills Work



The diagram illustrates three types of waterwheels, each with a green wheel and a red curved arrow indicating rotation. The Undershot wheel is partially submerged in water, with the water level below the wheel's center. The Breastshot wheel is partially submerged, with the water level at the wheel's center. The Overshot wheel is partially submerged, with the water level above the wheel's center. Each wheel is connected to a shaft that passes through the water level.

**UNDERSHOT**

Water mills use the flow of water to turn a large waterwheel. A shaft connected to the wheel axle is then used to transmit the power from the water through a system of gears and cogs to work machinery, such as a millstone to grind corn.

**BREASTSHOT**

There are various designs of waterwheel, depending on the water supply available, including undershot (water hits the wheel paddles at the bottom of the wheel), breast-shot (water hits the wheel half way up) and overshot (water hits the wheel at the top).

**OVERSHOT**

Watermills are usually built beside streams or rivers to use them as a water supply. Very often these supplies were improved by the provision of mill races and weirs to help overcome the problems of different seasonal water levels. Many of the weirs seen on rivers today were originally built to help control water levels for watermills.

# ELECTRICITY GENERATION AT HINXTON WATERMILL



## *This is about a project that didn't happen !*

Although there has been a watermill on the Hinxton site at least since the 11<sup>th</sup> century, the present building dates back to the 17<sup>th</sup> century. In 1913, after the tragic death of the miller's son on falling into the wheel, the original breastshot waterwheel technology was replaced with a flatbed cup turbine Pelton wheel. Although it is now working for demonstration purposes in summertime, this had ceased commercial operation in 1955.

Six years ago, the Wellcome Trust Genome Campus, at the request of Cambridge Past, Present and Future which owns the watermill, commissioned a study on the feasibility of using the water power to generate electricity. It was thought that selling electricity back onto the grid might fund the maintenance and restoration of the watermill. The generator could be installed in a sluice beneath the footbridge on the path upstream without disturbing the original building. There would be a further educational benefit in demonstrating hydropower generation to the mill visitors. Although it was concluded that this project would not be economically viable, it is worth recalling the feasibility study.

The two key factors that determine how much hydraulic power can be captured are the head and the flow rate. The gross head is the maximum available vertical fall in the water between the intake and discharge point. The water level can be adjusted by the sluice gates. Higher water pressure means you can force a higher flow rate through a smaller turbine. The flow rate is the volume of water passing measured in cubic metres per second. The historic annual mean flow for the river is used to determine this. The power available is proportional to the product of the head and the flow rate. It is generally better to have more head than flow, since this keeps the equipment smaller.



Hydropower projects typically require permission from the Environment Agency for approval of water abstraction, water impoundment, conformity with flood defences, and suitable fish pass structures. The first part of the generator is the intake screen which prevents debris from damaging the hydro system and injuring fish. Water then passes into a pressurised pipe and as it falls the water pressure increases. The water under pressure hits the rotor on the turbine. The most effective turbine for a low head site is the Archimedes screw. This is relatively low cost, low maintenance, eco-friendly and efficient. Due to the low number of moving parts, maintenance costs are low and equipment typically lasts for 25 to 40 years. The water fills the chamber from the top of the spiral scroll which is mounted on bearings in a central tube. As the water moves through the spiral scroll, the rotational mechanical energy generated is connected to a gearbox to bring the drive up to an efficient speed to power the electricity generator.

The average flow of the Cam over a year, measured at Great Chesterford, is 0.61 cubic metres per second and the effective head of water at the mill is one metre. Assuming a typical water-to-wire efficiency of 70 per cent, that implies an average electricity generation capability of 4.2 kilowatts. The smallest Archimedes screw turbine then available was a 5.5 kilowatt unit. It would require a fairly simple foundation with two concrete supports. The length of the unit would be approximately 2.7m and its diameter 1.3m. At typical average capacity load on the generator over a year this implies an annual

electricity production of about 18,000 kilowatt hours. In practice, operation could not be continuous because the sluice gates are opened during periods of high rainfall to prevent the river overflowing. At the time of the study the price being paid for each unit of electricity fed into the grid was about 20p per kilowatt hour. That implied annual earnings from electricity generated of the order of £3000.

Unfortunately, and fatally for the project, the total cost of the equipment, generator, civil engineering, electrical work and professional fees was estimated to add up to about £160,000 plus VAT. We may deduce that four hundred years ago the financial rate of return on waterwheels was substantially greater than now.

**Duncan Parsley – Wellcome Genome Campus**

### ***What are Smithson-Hill's intentions for the farmland east of the A1301?***

The village had a chance to probe their emerging plans at a presentation they made in the village hall on 19 January. With over sixty people attending, it was lively meeting with an hour of questions, answers and some vigorous expression of opinion.

In the main, the story has not changed from the account summarised in the January Hinxtton News. Smithson-Hill wishes to establish a commercial site in the fields surrounding Hinxtton Grange employing up to 4000 people dedicated to the agriculture technology industry.

**The current plans do not contain proposals for any residential buildings.**

What we heard more about is the way they are addressing the project at present and some suggestions about the form it might take. They have embarked on a number of investigations preparatory to putting in a planning application. These include air quality tests, soil sampling, drainage studies, etc.; they will also be digging exploratory trenches to shed light on, among other things, sites of archaeological interest.

Recreational assets might include cycle and footpaths and "swimming" ponds. Constraints they face include a gas pipeline running under the fields from the direction of Pampisford to the grid station south of Duxford, and a major aquifer water supply borehole due north of Hinxtton Grange. The area being considered for a substantial number of office/laboratory buildings is fronting the A1301 to the south-west of the Grange. They are talking to relevant local authorities and possible commercial users, but no potential clients have yet been signed up.

What Smithson-Hill heard was the extreme concern of the Hinxtton community about the proposals, described by one as 'horrendous', and the considerable scepticism about their motives and their assurances as to '**no**' residential building. The many objections raised by questioners included concerns about air, water, light, and sound pollution, and traffic congestion, as well as the unsightly plastic and poly-tunnels associated with industrial farming. The impact on the relatively tranquil and picturesque rural environment around us would be significant.

Severe doubts were expressed whether Smithson-Hill could adequately, and in time, meet the infrastructural costs of the necessary demands for electricity, drainage and, above all, transport arising from the proposed development.

### **They plan to make another presentation later in 2017 as their plans evolve.**

A silver lining in this dark cloud on our horizon was that participating in the meeting were leading parish councillors from Duxford, Ickleton, Whittlesford and from Elmdon over the Essex border, as well as our own South Cambs representatives, Peter Topping and Tony Orgee.

The support of our neighbours is most welcome.

Report by :-

**Willie Brown & Dick Jones**



# Peterhouse *Choir 2017*



**MARCH 11TH at 7pm**

Once again we are privileged to host a visit by the Choir from Peterhouse to our Church in Hinxton.



**WELLCOME  
GENOME  
CAMPUS  
PUBLIC  
ENGAGEMENT**

**On the third Saturday of every month** join us at the Wellcome Genome Campus Cultural Zone (in the Conference Centre) for a range of activities throughout the afternoon; from curator talks, to hands-on DNA-themed activities and a tour of the Campus.

**Our current display, 'Letter by Letter: sequencing genomes'**, uses objects drawn from the Wellcome Genome Campus collection to chart the development of how DNA has been sequenced. From Fred Sanger's breakthrough in the 1970s, and the ambitious Human Genome Project of the 1990s, to the high-throughput methods of today, which is enabling new scales of research.

Through a changing programme of displays and exhibitions the Cultural Zone explores the stories of genomics research, and encourages you to discuss the social impact of genetics. Objects, illustrations and film bring to life the story of the Human Genome Project; a project that revolutionised biomedical science and our ability to explore what makes us, and all life. You can also find out about trees of life. From medieval illustrations to Darwin's sketches and beyond, trees have helped us understand how life is connected.

Come to 'Letter by Letter: Sequencing by genomes'

**Time and date:** drop in 12pm-4pm on Sat 18 Feb/ Sat 18 Mar/ Sat 15 Apr/ Sat 20 May **Age:** 12+

**Price:** free entry (but booking required. Get you ticket here: <http://bit.ly/Letterbyletter> )

You can also follow us on Twitter to keep track of our events: @WGCengage  
or visit our website: [www.wellcomegenomecampus.org/publicengagement](http://www.wellcomegenomecampus.org/publicengagement)

# Niamh in Nepal



As you may have read back in June, I was spending 3 months volunteering on an education project in Nepal, with UK Government programme ICS, in partnership with VSO. Given the generous donations to VSO and kind encouragement from many members of the village, I am sharing some of my experience with you! Our wonderful team consisted of 10 UK volunteers, and 10 Nepali volunteers, and after we had a week of training in Kathmandu, we were paired up and sent off to one of six communities. Rejina, my counterpart, and I were placed in Devichaur, the most remote of all the villages, along with Bradley, from London, and his pair Basanta. We were tasked with finding ways of making student experiences at school positive, inclusive and fruitful for all students. We identified barriers to education in the community by talking to its residents, teachers and the women's group and then found creative ways to address them (as seen in the box below). Issues we addressed included son preference (many villagers were shocked to hear I only had a sister!), lack of involvement from parents in schooling, and the lack of opportunities for learning outside of the classroom International development is notoriously slow-moving, and often intangible but I am extremely proud of the work we did in the community and with the continued work of volunteers (there are still six cycles to come) that overall the programme will have a positive impact on the school and the residents of Devichaur.

*335 km ...walked over the  
8 weeks in community*

*24 km ....most walked in one day*

*132 ....plates of Dahl Bat*



## The Timalsina Family

Rejina and I in front of our house. Below the house were the fields owned by the family, where all of our food was grown, and the family sold the produce from there.

At the top of this picture you can see the corn drying to be ground into corn flour. Our host father owned a small tea-shop in the village. The children attended the school we worked in!

## ***Examples of what we did!***

- Women's Empowerment Day with cultural show, mental health workshop, games and stalls on the theme, food, dancing and fun! More than 400 community members attended! One of the best days!
- An interactive sanitation and hygiene day including hand-washing demonstrations, with hand painting, a community litter pick
- Earthquake preparedness workshop
- We created a functional library, creating a coding and hiring system, hiring a library committee to look after it
- Improved the handwashing and drinking taps and toilets, hiring local workmen to make them appealing and hygienic
- Organised a drama workshop, groups acted out why students drop out of school, and the consequences



The whole team, dressed up for Teej- the women's festival where women dance all day!



View of the snow-topped Himalayas from the village, always a treat when it was clear enough



Teaching students how to wash their hands properly in our newly refurbished sinks



Our host sister Karuna (18) in the family's fields wearing a Doku, the traditional way of carrying just about anything in Nepal



(Left) Team Devichaur delivering a speech in Nepali (much to the delight of the students with my bad pronunciation!) at our women's empowerment day.



( Right) after our farewell ceremony in front of the students' handprint wall which were painted after an earthquake preparedness workshop

## **Waste / Recycling collections**

As part of its ways of reducing spending without affecting front-line services, the District Council has joined in sharing certain of its services with Cambridge City Council and Huntingdonshire District Council, for example, legal services are shared across all three councils.

The District Council has set up a shared service with the City Council for Waste / Recycling collections. At present there are roads on the edge of Cambridge where the District Council collects on one side of the road and the City Council on the other.

By sharing services coupled with computer analysis of routes, a new set of collection routes is being drawn up. The new routes will result in saving over 10,000 miles of travel per year by the collection vehicles, but will maintain the same collections as at present. The only difference that the public might see is a possible change of collection day. Details of collection days are due to be announced shortly, and the new routing arrangements are expected to be in place by the end of February.

## **Council house repairs**

The District Council out-sourced its council house repairs to Mears some years ago.

There have been comments about a Mears van parked in Hinxton, a van that also has the SCDC logo on its side. In the first instance any concerns about where this van is parked should go to Mears, and similarly where there are concerns about the parking of other commercial vehicles, any expressions of concern should be made first to the driver, if known, and then to the relevant company.

## **City Deal update - transport hubs**

A short while before Christmas, one member of the City Deal Executive Board, Francis Burkitt, asked for suggestions of possible locations of transport hubs. A relatively small number of suggestions were put forward.

Shortly after Christmas, Councillor Burkitt announced the sites that had been suggested, including one for Whittlesford. This suggestion was put forward by Little Abington Parish Council. These sites therefore represent the individual views of the respondents rather than an area-wide systematic appraisal of need.

## **SCDC's Community Chest**

Hinxton is a parish with a fairly small precept – of the order of £10,000 per year. Any major unforeseen expenditure required during the year is therefore likely to have a significant impact on the parish council's budget. It is important, therefore, to remember the District Council's Community Chest. Grants of up to £1,500 can be made, and the parish council has made successful bids in the past.

Though all the Community Chest funds for 2016-17 have now been allocated, the new financial year starts in April when funds will again become available.

**Tony Orgee**

**District Councillor for Hinxton**

## Short notes from the Parish Council Meeting

The meeting started with the news that Mark Alexander has resigned from the Council. Appreciation and thanks were given for all Marks hard work especially for his work with Highways and the Lorry signs. He will be sorely missed.

### Hinxton's liaison with Neighbouring Parish Councils.

This is going well with all local Parish Councils communicating well and sharing any news. Willy Brown attended the Uttlesford meeting in Saffron Walden and also had slots on both local TV and Radio. No Garden Towns are being considered between Hinxton and Gt Chesterford.

Website. Minutes from Parish Council meetings are now all on the Website.

Lordship Farm renovation. An email has been received from Henry Turtill (Bidwells) indicating that he has been working on the problem and suggesting that the Trust's intentions for Lordship Farm will be clear by the end of this month.

Smithson Hill Plans. A presentation will be held in the Village Hall on the 19<sup>th</sup> Jan, questions in advance were asked for and there will be a Q & A session on the night. This will be reported on in the next issue.

Iron bridge repairs. Still nothing heard from Bidwells, Willy Brown is to send a letter to them, in the meantime the Clerk is to seek quotes for its repair.

Litter pick. Is booked for the 1<sup>st</sup> April. Clerk to arrange pickers, bags etc to be dropped off at Jane Chater's house, who has kindly volunteered to be in charge of this.

Winter Gritting. Gritting of the village to be reinstated, this will commence on the 13<sup>th</sup> Jan. It is not possible to grit Duxford Rd, due to the runoff of the salt contaminating the river.

War Memorial repairs. Clerk has asked Ivett & Reed to do the work, this to be chased up as to when it will commence.

Local transport feedback. WB sent a letter to Heidi Allen in response to an enquiry re :-Transport issues in Hinxton. Points covered were-

1) The 7A buses provide a poor link to Sawston and Cambridge. Journeys are possible but take up 20 minutes to Whittlesford station at times of little use to commuters. They take up to 1 hour 30 minutes to get to Addenbrookes/ Cambridge with 2 or 3 changes and none are convenient for older people and people with no cars, nor attractive enough to get people out of their cars and onto the buses. When we were last consulted, we asked for a bus link to Whittlesford Station, preferably around 0700. The first one

is 0808 arrives 0822 which is no help to London commuters. The next bus is at 0923 arriving Sawston 0945-0950 (via Heathfield and Whittlesford), but for us that means 20-25 minutes to travel the couple of miles which takes 2 minutes by car. We then can wait for the 7 to Addenbrookes and the City Centre or stay on the 7A arriving Babraham Park and Ride 10.03 (where the toilets are closed) and then wait for a further link to Addenbrookes and the Centre.

We used to have a direct bus to Sawston, Addenbrookes and Cambridge, taking about 40 minutes to get into Cambridge and which also went to Chesterford station in the other direction. It would be good if some form of this could be restored.

2) If we drive to the Babraham Park and Ride the new machines are complex and offputting and many people simply do not use the facilities for that reason.

3) They have withdrawn any gritting service through the village making winter journeys hazardous.

Permissive Path Agreement. This is now due for renewal, some points need clarifying- responsibility of bridges and also adding more paths such as a circular walk from Titchbault Rd. Please remember that these are permissive paths and we urge everyone to not drop litter and also to clear up after their dogs if we wish to continue to use these paths.

Precept 2017. This was discussed, Hinxton PC have very little reserves in the event of any large expense which may arise, To this end it was decided on a 5% rise in the Precept from its current amount of £10,870 to £11415,

Playground the parallel bars have now been fixed as far as possible

Parking problems & white vans. These are causing a big problem by parking on the roads at North End and High St Junctions. They have been causing damage to the verges, stopping people using their drives and residents have had trouble getting pushchairs out of their property as they are parking on pavements. Letters have been written to the vans owners and the Police will be called in the future if they cause an obstruction.

The Flint wall had now been repaired .

The tree blocking the river has been reported to the Environment Agency and Wellcome Trust

IWM Duxford would like to give a short presentation on the Museum and its plans for the future, they will be at the next Meeting on the 13<sup>th</sup> March



# TIM PHILLIPS & Co. Accountants

Independent, specialist service for:  
**Small Business • Self Assessment  
Personal Taxation**

Free initial consultation – no obligation  
**EASY, FREE PARKING**

Copley Hill Business Park, Cambridge Rd., Babraham  
*Off A1307 between Wandlebury and Babraham*  
**Tel: 01223 830044. [www.tpaccounts.co.uk](http://www.tpaccounts.co.uk)**

## Binwash

**The local wheelie bin  
cleaning service**

Schools - Pubs - Restaurants - Shops  
Households - Village Halls

- . Try us for as little as £3 per month
- . Professional equipment
- . 4 weekly schedule or one-offs
- . Same day as waste collection



Environmentally approved bio-degradable products.

# 01799 529899

[www.binwash-uk.com](http://www.binwash-uk.com)

[enquiries@binwash-uk.com](mailto:enquiries@binwash-uk.com)

## Notable 2017 CALENDAR DATES

February 3rd	Hinxton Walkers 0930 Village Hall
4th	SUPPER on the RUN
10th	Red Lion Night Out
March 3rd	Hinxton Walkers 0930 Village Hall
11th	Peterhouse Choir Concert
13th	Parish Council meeting with IWM
19th	Bacon Brunch
24th	BINGO SPECIAL NIGHT
April 1st	Village Clean Up
during April	CHILDRENS SOCIETY COLLECTION
In April	Hinxton Village Hall AGM 7:30 pm
May 6th	Millage
14th	Hinxton Watermill Opens
15th	Friends of Hinxton Church AGM
19th	Bingo for Vegetables
June 10th	<b>Village Fete</b>
July 2nd	London bridges walk
14th	Garden Evening
28th	?? VILLAGE EVENT??
September	Ride Drive & Stride
11th/12th	Hinxton Art Show
	McMillan Coffee Morning
October 1st	Hinxton Watermill Open for the last time
6th	Bingo for Vegetables
November	Festival of Remembrance
December 8th	Bingo for Vegetables

### Hinxton Watermill Opens Sunday May 14th

Then first Sunday each month

Sunday 2nd July 2017

# LONDON BRIDGES WALK

**WALK with us**

YOUR challenge for Kidney Research UK

<https://www.kidneyresearchuk.org/get-involved/events/london-bridges-walk>

# DIARY OF HINXTON EVENTS ~ February 2017

**Tuesday A** - Duxford, Fowlmere, Great Chishill, Great Shelford, Harston, Hauxton, Heydon, Hinxtton, Ickleton, Little Chishill, Little Shelford, Newton, Stapleford, Thriplow & Heathfield



BINS OUT BY 06:00 ON DAY OF COLLECTION

 = LATER COLLECTION

1st	Wednesday	
2nd	Thursday	
3rd	Friday	Hinxton Friday Walkers
4th	Saturday	<b>SUPPER ON THE RUN</b>
5th	Sunday	6:30 pm Evensong
6th	Monday	
7th	Tuesday	
8th	Wednesday	
9th	Thursday	
10th	Friday	
11th	Saturday	
12th	Sunday	8 am Holy Communion
13th	Monday	
14th	Tuesday	<b>Valentines Day</b>
15th	Wednesday	
16th	Thursday	
17th	Friday	
18th	Saturday	12-4pm Genome Campus Drop in see p.17
19th	Sunday	10 am Parish Communion
20th	Monday	
21st	Tuesday	
22nd	Wednesday	
23rd	Thursday	
24th	Friday	
25th	Saturday	
26th	Sunday	
27th	Monday	
28th	Tuesday	 SHROVE TUESDAY—PANCAKE DAY
1ST	Wednesday	ASH WEDNESDAY 6:30 pm Eucharist with imposition of Ashes



Meet Village Hall at 09:30 on Fridays



**DATES FOR**

**BINGO for VEGETABLES**

24th March is Guest Night

19th May

6th October

8th December