

ANNUAL REPORT

2017/18



Author Chris Faldon on behalf the Trustees of 'The Logie Legacy'

Print Footeprint UK, Jedburgh, TD8 6EE

Photography Logie Legacy volunteers and supporters unless otherwise stated

Copyright 2018 \odot The text and images in this publication may not be reproduced without permission from the Logie Legacy (SC047148)

CONTENTS

FINDING YOUR WAY AROUND

Preface	3
Highlights	4
PURPOSE #1 SUPPORTING IMPROVEMENTS	5
Water For Life Project	5
The Beautiful Game	7
Sanitation Project	8
Infection Prevention and Control	9
Laboratory Support	10
PURPOSE #2 PROMOTING GLOBAL CITIZENSHIP	11
On your marks, get setGO!	11
Getting on the Map	12
PURPOSE #3 RAISING & MONITORING FINANCES	13
Financial Statements	13
OUR JOURNEY – PAST, PRESENT AND FUTURE	16
Key Events and Milestones	16
Where to Now?	18
Contact Information	19
Finding Us	19

Front cover:

TB treatment supporters out and about on bikes funded by The Logie Legacy

PREFACE

e are one year old! Well sort of. Our story really begins back in 1991 when Dr Sandy Logie, a retired medical Consultant from the Borders General Hospital went to volunteer at St Francis Hospital (SFH). In the course of his medical duties he contracted HIV and sadly died 9 years later. In 2008, NHS Borders established a formal twinning partnership with SFH. For many years staff from the Scottish Borders have been going there to volunteer their support to a wide variety of projects, both large and small.

It was becoming obvious that proposals for further areas to support would require substantial planning and funding. To support these developments and ensure that each new project had a sustainable impact, we began to look forward and felt that the time was right to apply for charitable status. With this now achieved we look back over a busy first year as 'The Logie Legacy' and trust many more will follow - each one building on past achievements to benefit patient care. This is a remarkable hospital in Eastern Zambia similar in size to the Borders General Hospital but serving many more people with a fraction of the resources available to the NHS. Our volunteers invariably find that their efforts overseas, and the learning involved, get re-invested back into their day to day jobs in Scotland and thus improve services closer to home. We think this double impact is worth celebrating!



"We will meet in the developing world a level of will, skill, and constancy that may put ours to shame. We may well find ourselves not the teachers we thought we were, but students of those who simply will not be stopped under circumstances that would have stopped us long ago."

Global Citizenship Report, 2017 Royal College of Physicians and Surgeons of Glasgow

HIGHLIGHTS

- The Logie Legacy was selected as one of three initiatives to demonstrate NHS global health good practice to First Minister Nicola Sturgeon and Bill Gates (Bill & Melinda Gates Foundation)
- We formally launched our charity on 21st March 2018

FINANCIAL HIGHLIGHTS

- Our finances have a healthy surplus of £24,670
- The decision to apply for SCIO status has proven to be financially astute since we have successfully received two large donations totaling £22,000 that previously we were ineligible for

OPERATING HIGHLIGHTS

Phase 2 was completed of our 'Water For Life' project by connecting over 140 properties to a clean and reliable water supply across the whole hospital compound

LOOKING AHEAD

A grant from the Scottish Government International Division enabled us to commission a technical assessment study to begin securing funding a complete badly needed overhaul of the sanitation system. More possible projects are in the 'pipeline'. There is much work to be done.

These highlights are made possible by the generosity of our donors; the time and skills given freely by our volunteers and; the support and hard work of our friends and colleagues in Zambia. For the many ways these partners find to make a meaningful contribution to our purposes we are deeply grateful.

Trustees:

Brían Magowan, Chrís Faldon & Lorraine Wilson May 2018

Our purposes

The Logie Legacy is formally known as:

St Francis Hospital, Zambia Twinning Partnership with NHS Borders (SCIO), SCO47148

Registered Scottish Charitable Incorporated Organisation from 02 February 2017

- 1. To support the formally established twinning partnership with NHS Borders to achieve improvements in education, service delivery and patient experience at St Francis Hospital, Zambia
- **2** To promote the value of voluntary engagement in global health for NHS Borders staff and partners in bringing knowledge, skills and ideas back to the UK
- **3** To raise income and monitor expenditure in the support of the above

WATER FOR LIFE PROJECT

he Water for Life Project stemmed from a visit undertaken in 2012 by NHS Borders volunteers who were alerted by St Francis hospital staff to the significant short comings in both the hospital and domestic water system. Work was undertaken to draw up a water system plan with support from retired water engineer Paul Splint (from MSG, a Dutch organization that has supported many building projects at SFH) and technical input from a volunteer from Scottish Water. Funds were raised very quickly in 2013 (primarily from two large private donations) and the original project initially scoped at £62,000 began in 2014, with a predicted time frame of 12-18 months.

In 2016 Chris Faldon visited to assess progress and was able to sign off Phase 1 - approximately 7km had been laid of new PVC pipes, four new bore holes drilled and two large 9000 liter PVC tanks erected. Monies were released to launch Phase 2 – connection of 140 properties to the new water system. A lack of

"...the hospital has literally no running water from taps, causing an outcry from staff and departments. It is a daily nightmare to all residents and departments. Some staff resident at St Francis claim that they have not had running water at their houses from their taps for almost 1-2 months now and are very desperate about the situation" – St Francis Hospital Senior Administrator (Nov 2014) from taps, causing an outcry from staff and departments

progress with this phase prompted an enquiry and in March 2017 we were informed that funds had been diverted elsewhere and an investigation was on-going. These are still underway but \$8000 of the missing \$12000 was repaid from another source reducing the overall loss to the project. John Western, an experienced plumber from Wales who had worked for many years as a VSO volunteer at SFH was engaged for a period of three months. As a result all 140 properties across the hospital site were connected by late November 2017 with a vast improvement in the supply noted by users.

A review of the project was undertaken by an independent consultant (Tayler Associates) made possible by a generous grant from Zambia UK Health Workforce Alliance (ZUKHWA). The resulting report identified 15 key lessons and drew out 6 recommendations for future implementation. Phase 3 is set to commence in 2018 that will see the fitting of water meters to each domestic property with the aim of raising some ring-fenced funds for maintenance of the water system to make this a sustainable development.

2018 Update:

"The tanks are always full, we don't have to travel to the nursing school for our water anymore"

"Students don't need to collect water from the outside tap anymore, they can use the showers in their housing"
"There has been a significant increase in the water pressure, we can sometimes get hot water to reach our

boilers which is a right treat. This never happened before the switch"

Head Teacher, Jersey Primary School; Staff, Nursing School; Hospital doctor



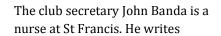
THE BEAUTIFUL GAME

football team run by St Francis staff helps local youths keep out of trouble and give them a healthy focus to their lives. Some are orphans due to HIV/AIDS and have very little in the way of social support. All too often they have not been able to finish their schooling and therefore have limited prospects of finding a job.

The club asked if the Logie Legacy could help to secure a full kit for the lads. An appeal was therefore made and Elaine Boland, Nursing Sister at the BGH came to the rescue. Through the Rowan Boland Memorial Trust which supports Borders Young People to access sporting activities she was given two full team kits no longer in use by the Gala Fairydean Rovers youth team. In June 2017 they made their way to Zambia and were received with great joy and the plea was made: "Please bring some boots on your next visit!"

This we did in November 2017 with a generous donation from Melrose Rugby Club





"Thanks for the contribution to our football team. The boys were so proud to wear their new kit and played so well in their first game with them! We do struggle from a lack of resources..... no boots, money for transport and emergencies in case of player injury. The team plays such a valuable role within our wider community".

SANITATION PROJECT

hanks to a grant of £12,000 from the Scottish Government International Division to fully explore options to substantially overhaul the sanitation facilities for the whole hospital. Bremen Overseas Research and Development Association (BORDA) were commissioned to undertake a technical

report and propose some inclusive sanitation solutions. They have a specialist focus on the unserved, peri-urban areas where access is low. It found that the hospital waste water is treated by on-site treatment facilities comprising of septic tanks and soak-pits that are located in the vicinity of the hospital grounds. The hospital septic managed effluent is disposed to a seasonal stream on the northern periphery of the hospital premises. In many instances, the treatment facilities become blocked and spill semi-treated and untreated waste water over the hospital grounds. This is mainly because the on-site treatment facilities are old and have been poorly serviced and maintained. This poses a threat to the ground water aquifers from which hospital fresh waters are drawn. The fresh water aquifers are

The waste water commonly finds its way into the seasonal river stream and thereafter to villages in close proximity to the hospital. This poses a significant public health threat

further threatened by household sanitation facilities which are very close to the borehole areas as households in the hospital community also use septic tanks and soak pits located within their compounds.

A new system should address the mentioned problems, that is, quantity of septic tanks, leakages in the pipelines and solid waste in the system. Additional the redesigned system could be helpful as it will produce biogas to compensate some of the high energy demand in the kitchen. The Trustees and members have given their full support to seek funding for this vitally important project. This is likely to be a substantial amount – in the region of £0.25 million. It is anticipated that our experience and lessons learnt from the Water for Life programme will prove invaluable.



ZAMBIA

St. Francis Hospital Technical Assessment Report



INFECTION PREVENTION AND CONTROL

he erratic supply of water has hampered infection control efforts, resulting in less than optimal standards of hygiene and training. Water issues have now been successfully addressed. The need for a comprehensive programme of workforce education has been identified through discussions with senior hospital staff and wider key stakeholders (including the Government Provincial Health Office).

Our long standing contributions, regular visits to the hospital and a desire to listen to and respond where possible to needs identified by our overseas partner, has led the Board to request assistance



regarding Surgical Site Infection rates. These have been worsening. Of concern are maternal and neonatal mortality and morbidity from obstetric surgery complications. Perioperative antibiotics and basic infrastructure (clean water and sterilisation) are key measures of success and yet rudimentary data collection systems have failed to measure these adequately. The hospital management would like us to help them make a priority focus on surgical activity and training in infection control – based on the principle that "infection control is everybody's business".

Adam Wood recently retired as the Senior Infection Control Nurse at NHS Borders and visited St Francis Hospital in November 2017 to gather more information and assess the viability of establishing a new project to support this request. It was established that we are well placed to use our knowledge and skills to assist Zambian staff to improve standards of clinical training. Any locally adapted tools for the St Francis Hospital context will be designed by a collaborative effort between all partners involved in the project. We will need to fully explore evidence and materials developed within Zambia by linking in with the Ministry for Health and professional bodies. This will be crucially important since interventions that will deliver



sustained improvements through behavioural change will require more than just a focus on the importance of hand hygiene. Skills transfer will take place at a number of levels. It will begin with UK and Zambian staff identifying and investing in the mentoring of infection control 'champions' who in turn will roll out training across the whole organisation. The hospital has a nurse training school and the staff there will be important future leaders in this process. Funding is now being sought.

Adam shares a joke with Emmanuel (Senior Nurse Tutor)

LABORATORY SUPPORT

Luke Faldon, a recent Biomedical Sciences graduate went out in October 2017 for 4 months as a volunteer. He went to offer some basic skills in the laboratory gleaned from his degree and found himself alleviating their shortage of staff which they were grateful for. It was very rare they received any volunteer assistance. Over the months he got educated in all departments, microbiology being the main one. He was also able to share with staff his techniques and biosafety measures. On days when there were staff shortages below normal he could be the one technician in a department carrying out investigations – this allowed him to learn quickly.

Much of the medicine there is practiced blind without the benefit of laboratory services to assist clinicians. The laboratory renovation project stopped due to lack of funds. When carrying out investigations in microbiology he noticed that there was a lack of textbooks to reference and consolidate findings. Most of the textbooks available were out of date or in poor condition with pages missing. Replacement textbooks would be highly prized. In relation to investigations, the laboratory was using a windows XP computer with Ethernet connection that was painfully slow. A new more efficient computer would assist in research that the laboratory carries out.



The lab currently has one centrifuge to meet the demands of all departments. This means samples from microbiology are being transported to chemistry for centrifugation which increases the risk of cross contamination and slows down the turnaround time of results. It lacks an electrophoresis machine so they are unable to type haemoglobins they are dealing with. There is no shower in case of emergency in terms of biosafety. Stock count is all recorded manually which is time consuming and unorganised. The need for electronic records is there. There is a lack of quality conical flasks for measuring, mixing and heating agars for microbiology. Most of them are cracked and broken. This makes it a much more dangerous task with boiling solutions regularly over flowing onto the work benches near electrical plugs. The heater that is used to get these to a boil is very out dated and there is no way to regulate the temperature of the heater.

A recent team from NHS Borders were able to take out a functioning microscope and other laboratory serviceable equipment no longer required. Support from an experienced microbiologist and biomedical scientist would be greatly valued by the staff – teaching visits or should internet technology improve then by regular remote access sessions.

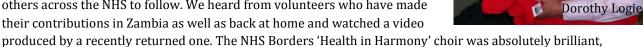
PURPOSE #2 PROMOTING GLOBAL CITIZENSHIP

ON YOUR MARKS, GET SET......GO!



The 21st March 2018 saw the official launch of The Logie Legacy held in the Chaplaincy of the Borders General Hospital. There was a great turnout and it included many staff, members of the NHS Borders Board Executive team and wider supporters.

John Raine, NHSB Board Chairman steered the ship. Stuart Fergusson the coauthor of the Global Citizenship in the Scottish Health Service report (Royal College of Physicians and Surgeons of Glasgow) gave the keynote address and praised the work done over many years and setting an example for others across the NHS to follow. We heard from volunteers who have made their contributions in Zambia as well as back at home and watched a video





PURPOSE #2 PROMOTING GLOBAL CITIZENSHIP

GETTING ON THE MAP



ealth Service

CITIZENSHIP in the Scottish Health The report 'Global Citizenship in the Scottish Health Service: the value of international volunteering' was published in 2017. This highly influential document was commissioned by the Scottish Global Health Collaborative (Chaired by Dr Catherine Calderwood, Chief Medical Officer), an interest group established to work with the Scottish Government to promote effective and coordinated health sector involvement in global health.

The Logie Legacy was chosen from amongst others across Scotland, who have undertaken international volunteering as evidence of the benefits and learning opportunities of global health work. Since the report publication some very welcome opportunities have arisen to raise our profile. They include:

Magowan



- 15th Sep 2017 Global Citizenship Conference at Royal College of Physicians and Surgeons of Glasgow. Chris Faldon gave a presentation of Logie Legacy work
- 26th January 2018 Bill and Melinda Gates Foundation visit – Brian Magowan, Jane Davidson and Chris Faldon were invited to meet the First Minister Nicola Sturgeon and guest Bill Gates along with 2 other NHS Health Board projects (Malawi and Ethiopia)
- NHS Board Chief Executives We have
 been invited to explore with the group how to take forward some of the proposals within the report



PURPOSE #3 RAISING & MONITORING FINANCES

FINANCIAL STATEMENTS

STATEMENT OF FINANCIAL POSITION

At year end 31st March 2018

Balances in						Total unrestricted	
Restricted Funds	WASH	ТВ	Obstetrics	Sexual Health	Funds	funds	Total Funds
Surplus/(Deficit)	8609	3506.46	4563.17	4384.72	21063.35	3607	£24,670

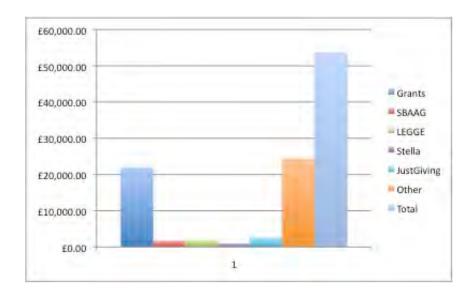
RECEIPTS & PAYMENTS

Income

The charity derived its sole income from grants, donations and various sources including fundraisers

Receipts	Grants	SBAAG	LEGGE	Stella	JustGiving	Other	Total
Total	22000*	1783	2000	1000	2621.66	24327.63	£53,732
Receipts							

*ZUKHWA (University Edinburgh) - £10K; Scottish Government (International Division) - £12K Receipts



PURPOSE #3 RAISING & MONITORING FINANCES

Payments

Most payments related to the water project, installing new pipe works to carry clean supply to hospital residences and reduce wastage. This involved visits by personnel to oversee the work, purchase of supplies, technical assessment and Implementation reports. There was also a visit by a small group of clinical staff supporting paediatrics. The breakdown of all payments is given below.

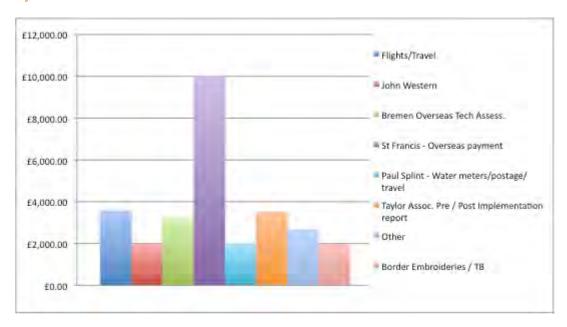
All Payments

Flights/Travel	John Western	Tech	St Francis - Overseas payment	Water	Taylor Assoc. Pre / Post Implementatio n report	Other	Border Embroiderie s / TB	Totals
664.87	500	1632	10027	513.99	3275		160	
361.79	500	1603.41		1512.79	240.02	764.55	321.28	
1372.16	500					1556.85		
685.08	500		1 1			320.88		
500						19.17	1512.26	
						19.17		
3583.9	2000	3235.41	10027	2026.78	3515.02	2680.62	1993.54	£29,062.2

STATEMENT OF CASH FLOWS

Current A/C	£24,670.00
Savings A/C	£0.00

Payments



PURPOSE #3 RAISING & MONITORING FINANCES

DEBT

None

ACKNOWLEDGEMENTS

The accounts have been independently examined and approved by Michael Revels & Co, Accountants, Ladhope Vale, Galashiels. We are deeply grateful to Mr Revels for his assistance in this important activity.

We gratefully acknowledge the generosity of the following for their financial support:

T BRENNAN M GAUDOIN REB SOLOMONS E CLYDE LEGGE FUND ROTARY - SELKIRK

COWRIG CHARITABLE TRUST D E LOGIE SBAAG

B & AH DICKSON L LOWRIE STELLA CHARITABLE TRUST LADY C DOUGLAS-HOME MW MCCUE SWI - FOUNTAINHALL

JE FIELDWICK C MUNRO SWI - LAUDER

Lorraine Wilson, Treasurer, The Logie Legacy, 06/05/18

OUR JOURNEY – PAST, PRESENT AND FUTURE

**	
Year	KEY EVENTS AND MILESTONES
1991	Dr Sandy Logie takes early retirement from BGH to work at St Francis Hospital (Eastern Zambia)
	6 months later Sandy becomes infected with HIV from needle stick accident in the ward
1996	Sandy decides to go public about his HIV infection
1999	Dorothy Logie goes to SFH with Christian Aid accompanied by Sandy
2001	Sandy dies
2002	Scottish Borders Africa AIDS Group (SBAAG) forms when donations role in
2004	Dorothy starts works in Zambia during AIDS epidemic, and at SFH
2005	The Sandy Logie Clinic for HIV positive patients opens at St Francis and UK funding follows
2006	Dr Dan Clutterbuck (GUM & Sexual Health Consultant) visits
2007	Dan Clutterbuck revisits
2008	Dan Clutterbuck revisits
	St Francis Hospital Twinning Partnership with NHS Borders is formally established when Dr Shelagh Parkinson (SFH Director) visits the Borders
2009	Dan Clutterbuck establishs a project to improve testing and treatment of STIs district
2007	wide
	Brian Magowan visits with Dorothy to consider new directions for the group
	First President of Zambia, Kenneth Kaunda visits Melrose as guest of SBAAG
2010	Vince Summers (Pharmacy) visits to explore areas of professional support
	Full-sized ultrasound machine sent. Ros Thomson (radiology, BGH) visits - ultrasound
	teaching
	Dan Clutterbuck returns to review progress with the STI Syndromic Management project
2011	Vince Summers returns to hand over a pharmacy software system (ASCRIBE) and some
	laptops
	Gillian Forbes (Sexual Health nurse) visits to review sexual health project
	Ruth Magowan (Specialist Nurse) and later Brian Magowan (Obstetrician), Faye Rodger
	(Obstetrician), Margaret Davison (Midwife), Burnett Lunan (Retired Consultant
	Obstetrician) and Helen Lunan (retired GP) ran two Life Saving Skills courses
	Brian Magowan, Margaret Davison, Susie McFazden (midwife), Kerrie Hides
2012	(obstetrician), Sarah Galloway (midwife) ran two further Life Saving Skills courses Dorothy Logie visits with Chris Faldon, Health Protection Nurse; Francis, GP trainee;
2012	Chris Heap, IT technician; Ruth Magowan to explore with SFH staff areas of potential
	future support
2013	Chris Faldon returns. TB project launched providing 36 bikes to the support volunteers
2013	Brian Magowan, Margaret Davison, Susie McFazden (midwife), Nonie Oliver (children's
	nurse), Sarah Galloway (midwife) and Rachel Magowan (student) ran two Life Saving
	Skills courses

OUR JOURNEY – PAST, PRESENT AND FUTURE

2014	Chris Faldon returns along with Mike Baird (Scottish Water). Water for Life project
	launched. Support provided to Chaplaincy with provision of PA equipment.
	Jane Macdonell (Paediatrician) visits to support, train and learn from the paediatric &
	SCBU staff
	Jane's work leads to donation of Physio equipment through PhysioNet
2015	Ruth Magowan, Marcus Wootton (Paediatric A&E Charge Nurse), Rod McIntosh
	(Resuscitation trainer), Marion Preston (midwife), Megan Dickson, Chris Tracey
	(nurses), Ben Magowan (paediatric student nurse), Abby McIntosh (course
	administration) deliver paeds skills course
	Chris Faldon, Chris Heap and Adam Wood take road trip to deliver donated equipment
	from Borders to London Heathrow for shipping to St Francis
	Financial support provided for the 'Garden Project'
	Brian Magowan, Margaret Davison, Lorraine Wilson (Midwife), Mo Beavon (Midwife),
	Kerry Blake (Maternity Care Asst), Rachel Magowan (Medical Student) and Sarah
	Murray (Registrar) conduct 'skills and drills' teaching session
	Dan Clutterbuck returned to monitor progress with STI Syndromic Management project
	Chris Heap visits SFH to set up and install 15 donated PC's shipped earlier in the year
	and to provide support for ongoing IT issues
2016	Chris Faldon returns to monitor progress with Water for Life and TB projects. Opens
	discussions regarding a sanitation project.
2017	The Logie Legacy is registered as a Scottish Charitable Incorporated Organisation
	Global Citizenship in the Scottish Health Service report (Royal College of Physicians and
	Surgeons of Glasgow) is published and references our partnership. Chris invited to
	speak at conference launch.
	Chris Faldon returns (June) to review some difficulties in progressing the Water for Life
	project. Two complete sets of football kits taken out donated by Gala Fairydean Rovers
	in Galashiels.
	25 backpacks provided to TB treatment supporters along with nutritional training
	materials.
	Luke Faldon (Biomedical Science graduate) commences a 4 month visit to assist in
	hospital laboratory
	Chris Faldon visits (Nov) with Adam Wood (Infection Control), Mike Baird & Dorothy
	Logie Sanitation Technical Study completed. Water For Life project review conducted
	by Viki Tayler (independent global health consultant). Phase 2 (Water for Life)
	completes. Phase 3 explored. Laboratory equipment donations taken.
2018	Brian, Chris and Jane Davidson (NHS Borders CEO) invited to meet First Minister Nicola
	Sturgeon and Bill Gates (Gates Foundation) as one of three NHS global health projects
	demonstrating good practice
	March 21st - The Logie Legacy is formally launched

WHERE TO NOW?

A number of projects are on-going. These include:

- 1. Water For Life phase 3 (installation of water meters)
- 2. Obstetric training
- 3. TB treatment supporters
- 4. Sexual Health
- 5. Paediatric support
- 6. Garden project
- 7. Information Technology support
- 8. Laboratory support

Some of the above have not been active during the past year but will be revisited in the coming months to see if any new needs have emerged. The 'Water For Life' review identified some possible workstreams to consider. These include:

- 1. Sanitation project
- 2. Infection Prevention and Control Quality Improvement
- 3. Nursing Training School Capacity Development
- 4. Governance/Hospital Systems improvement including master planning
- 5. Establishing a St Francis Hospital partners forum

The Trustees and committee members will review the relative merits of each new project request and work to see that maximum impact is achieved in all endeavours to meet our stated purposes. We celebrate all the good things that have gone before, reflect on lessons learnt about how things could be improved and look forward to all the next year may bring. Don't wait a year to find out what has happened. Check out our new website www.logielegacy.com and keep in touch!



Home About us History What we do # | Future Projects | How Can You Help? | Confact Us.

The Logie Legacy



The Logie Legacy is a Scottish Charitable Incorporated Organisation: SC047148

CONTACT INFORMATION

BRIAN MAGOWAN CHAIRMAN



CHRIS FALDON SECRETARY



LORRAINE WILSON TREASURER



chair@logielegacy.com

secretary@logielegacy.com

treasurer@logielegacy.com

FINDING US

Tel: 01896 825565 Email: info@logielegacy.com Website: www.logielegacy.com



https://www.facebook.com/thelogielegacy/

Address: Department of Public Health Borders General Hospital Melrose

TD6 9BS



The Logie Legacy is a Scottish Charitable Incorporated Organisation: SC047148

