Spring 2012

ICL Pensioners' Newsletter

Bits & Bytes

No 34

Editorial

This issue is the first since Fujitsu withdrew funding for the printing and posting of Bits & Bytes. The questionnaire that went out with the last edition has elicited about 80 requests for the printed version. Despite this very small number Fujitsu will still not pay for the printing and postage. I have explored many avenues for future continued sponsorship without success.

Fortunately a number of pensioners have sent me cheques to help with the cost of printing and postage. I have obtained quotes from a number of printers, for printing and postage, and the price per copy for this small number will be about $\pounds1.50$, double the price that Fujitsu paid for 6,500 copies.

The majority of those who responded sent SAEs and I have enough money to get the next edition printed and I will post No 34 to them.

As I haven't been able to get guaranteed sponsorship for the future I think that those who want the printed version will have to pay for it. This raises the problem of maintaining a subscription database and chasing those who don't send in their money!

I will continue editing B&B but I am **not** prepared to look after the subscriptions. I would appreciate somebody volunteering to take on this task. Richard Taylor's article in this edition is another suggestion on how we could look after the non-PC people.

My main concern for the future is that fewer pensioners will read the newsletter (because it won't come through the post) and that people will not be inspired to contribute stories and anecdotes as they have over the past 16 years. Can I suggest that you all make a note in your diaries, (electronic or paper) to access B&B online in the last week of March and September respectively for the Spring and Autumn editions. See the website links on the back page.

Adrian Turner 5 Nun's Acre, Goring-on-Thames, RG8 9BE 01491 872012 adrianturner5@gmail.com

Websites and Communication.

As well as the withdrawal of funding for Bits & Bytes, there will soon be changes to the websites for ICL pensioners. By the time of the Autumn issue of Bits & Bytes the current ICL pensioners website will no longer exist. It is intended to be replaced by a new 'Fujitsu Pensions' website for ICL Plan members which will focus on what is required of the Trustees for the delivery of pensions. That site will not include the additional member support and people networking facilities currently provided on the ICL Pensioners website, as reported in the Autumn 2011 issue of Bits & Bytes.

Having a website for ICL people alongside the Fujitsu Pensions website has been proposed, and started – see the link on the back page. The initial version has limited facilities and content, and will not progress much further unless new people come forward to develop, run and provide content for an ongoing independent website. Concern about future ICL pensions gives a theme and reason for ICL Plan pensioners to support an independent website.

It would be good to continue to have a members directory to foster people networking, and to enable discussion and communication among ICL people using forum type facilities for members. That will all depend on new volunteers getting involved and doing the work in developing or running such facilities for their ICL colleagues. Please contact me if you are interested and prepared to take on any part of the work – the challenge is to get more going before the plug is pulled on the current website, and to set up and use new a new website content management and publishing system.

The current legacy system has a directory of members and has over 4700 entries, and that contact information will not be carried forward. The new websites will require ICL Plan members to register again for data protection reasons. I suggest that in the next month that you do make use of the current directory and relay message facility if you wish to contact ICL people just in case no way forward is set up for a members directory.

Since the current ICL pensioners website was set up in 2004 I have looked after content and publishing in a voluntary role as Pensioner Topics Editor. I retired from ICL in 2002, and time has come for me to retire again and for a younger generation to look after an independent website and ongoing communication for ICL Pensioners. Please contact me if you are prepared to get involved.

Alan Thomson alan.thomson@bcs.org

Fujitsu News

To see the latest Press releases go to http://www.fujitsu.com/uk/news/pr/

Letters & e-mails

Funding for Printed Bits & Bytes

I live directly under the approach flight path to Heathrow eating my lunch prepared by my Polish wife in my English garden with American and French built planes with British Rolls Royce engines fitted and thousands of foreign passengers on board, coming to London, while eating my German bread sandwich made with Argentinean corned beef and Irish butter, drinking from a Polish glass tumbler with some Scottish Whiskey and French water in it sitting on Chinese patio chairs having a rest from sweeping up leaves, fallen from our Indian Bean tree.

The only thing missing is the Japanese funding for the printing and distribution for your wonderful magazine Bits and Bytes.

You would think, wouldn't you, that in our International lives, we could find a few bob to support you Adrian, who in spite of your big disappointment, you are still willing to continue being the editor of this illustrious and important publication, It would only take a few old farts like me to donate money to keep Bits and Bytes alive.

It should and must really happen in spite of the lack of far Eastern understanding.

Peter Walker

ex HR Manager Responds

As an ex-ICL HR Manager (BRA01) and ICL Pensioner, I am in total agreement with your opinions about the decision of the Trustees of the ICL Pension Plan to stop funding for a hard copy of Bits & Bytes – it is indeed "InHuman Resources" and not in line with what I thought have always been the Fujitsu philosophy of respect and consideration of others. I had the privilege of meeting FJ's then President back in the 1990s when I worked for the Client Server business based in BRA01 (Andy Roberts, Sid Fox, Mike Coote et al) and there was certainly an immense feeling of respect for him by the FJ graduates who were working in BRA01 at the time as well as myself and my colleagues from BRA01.....

Regrettably, there is an assumption by virtually all organisations these days, be it government, public or private sector, that everyone has a computer.... they don't! And what happens when those who do, are no longer able to use it due to health reasons..... In my own family, we have two registered blind parents, plus my brother; sister and brother-in-law who do not have computers or cannot afford to have a computer! It really annoys me when an organisation says "visit our website"..... Well, what if I can't see it or do not have a PC!!! No wonder there are so many people missing out on better deals, entitlements etc. – particularly more senior people or those on low incomes.

I have really enjoyed receiving and reading Bits & Bytes over a coffee and bowl of warming porridge, and keeping up with what is happening in FJ and ex-ICL too....I probably wouldn't take the time otherwise – it's very easy to scan the e-mails but not actually get around to reading them – we're all guilty of that!

I am really disappointed that the perceived feeling of understanding and respect for others seems to have diminished within the FJ organisation over time – may I politely suggest that FJ should consider rereading its CSR statements to ensure that everyone in the organisation continues to live the values.....

I wondered if you had thought of writing to FJ's President Masami Yamamoto to express our disappointment with this decision. You are very welcome to pass on my comments to the ICL Pension Trustees and even to the President.

Carole Moxon

Adopt a Pensioner

My main reason for writing was to suggest that there is a section on the new website whereby Internet connected pensioners could sponsor non-Internet connected recipients of B&B. I guess there are now probably more recipients of B&B who have Internet access than those that do not. My idea is that there should be some form of automated email address for sponsoring those without Internet access. For example, if an Internet pensioner wants to be a sponsor, he or she could send an email to the appropriate email address, and in return receive the full postal details of a non-Internet recipient. The initial email could be validated to see that it comes from a genuine pensioner's email address so that spam emails do not cause false hits. When the sponsored person's details are sent back, that name will be marked as covered so that a subsequent sponsor does not get the same address details. There would possibly have to be some form of fail-safe so that should a sponsor pass away, he sponsored recipient gets sponsored by a different sponsor.

There are a number of details that I have not worked out. For example, while I am happy to sponsor a UK recipient (paying the cost of printing the PDF, the cost of the envelope and the postage) the costs for an overseas recipient may not be as easy to handle (unless they have a UK address through which B&B could be forwarded).

There will obviously be a number of pensioners who will not want to act as sponsors, but hopefully there will be enough to make the scheme work.

Richard Taylor email4rnt-fj110713@yahoo.co.uk

My introduction to ICL

First a bit of background, in 1968 I was a sergeant in the RAF technically on Radar and Wireless for the three V-Bombers, Victor, Valiant and Vulcan, but for the past 5 years I had been employed as an instructor at a place known as BCAS which stood for Bomber Command Armament School, at the time an Top Secret Nuclear weapon training extremely establishment that taught the theory and servicing requirements of our then nuclear deterrent. I eventually realized that as my employment in the RAF was coming to an end I needed to think about a future in Civvv Street and there did not seem to be many openings teaching the theory and operation of atomic bombs. Also I realized I was rapidly losing touch with any advances in electronics, believe it or not the electronics involved in the weapons were rather primitive and I needed to move on rather rapidly, I thought computers may be the way forward. At this time there were only two well-known computer companies, IBM and ICT. I tried IBM but all they offered was employment on their old DP kit. So I applied to ICT hoping they might offer something more modern. I did their tests and somehow managed to pass them and was invited to an interview at an

office in Upper Richmond Road; being keen not to be late I actually reconnoitred the road on the Sunday before the Monday morning interview. It was rather disconcerting to approach what I assumed was the ICT office to see the signs on the door said ICL. A double check of the letter confirmed I had the right address so nothing ventured etc. I entered and asked the receptionist if this was ICT, when he said it was, I asked "Then why does it say ICL on the door". He left his desk opened the door and looked in amazement at this sign. "It said ICT yesterday, I have no idea what those are" was his response. It transpired I had arrived on the same day that ICT ceased to exist and having merged with English Electric Computers became International Computers Limited. Incidentally initially I felt like an outsider as there seemed to be quite a bit of rivalry between the old ICT, BTM, Powers Samas, Ferranti and English Electric engineers, and I was just an ICL one! Not to mention the strange creatures who talked about round hole or square hole punches!

The end result after being interviewed by the redoubtable Dick Sheppard, was an offer of two jobs one as an instructor at Letchworth and the other as a Computer engineer, I'd had enough standing in front of a class so chose the latter and was told to report to a Bernard Hone at the Holborn office. I duly arrived at this wonderful building and met up with two other new engineers, Dave Greenwood and Reg Shackles, both had also been told to report to this Mr Hone. Unfortunately no one at this office seemed to know who or where this mysterious person was. Eventually someone appeared who actually seemed to know and told us we were at the wrong office and a Mr Hone worked from a place called Greville Street, luckily only a short walk away. So the three of us trotted off to this place which on arrival had no signs indicating what it was but at least the receptionist said it was ICL. We asked for this mysterious Mr Hone only to be told he was at Putney and would not be back until later in the week! This was getting a bit too disconcerting and having walked past the IBM customer centre on the way, the three of us thought it might be a better bet to try there instead. In fact I remember we did decide to wait a bit longer to see if anyone would appear and assist us. About 20 minutes passed that an attractive girl come up and asked if we were the three new engineers. This turned out to be the mysterious Mr Hones Secretary and Brenda as she introduced herself said "leave it with me and I'll sort it". Sure enough Brenda must have made a few phone calls because she then asked if we knew our way to the Holborn Office, which obviously we did because that's where we were sent in the first place! "Go back there and someone will sort you out", Brenda told us. So off we went back, this time on entering the building which had a rather grand staircase at its entrance we were met by two men looking over the railings at the top of the stairs, one of whom said "are you the new engineers", "Yes" we replied, to which the first one said "right I need one of you" and the other one said "and I need the other two". The first one, who turned out to be Sid Roberts "grabbed" Dave Greenwood, leaving Reg and myself for the other one. This turned out to be Alan Gilbert. Both were Service Managers. Sid was the Orion manager and Alan the 1900 manager. So that's how Reg and I became 1904E engineers and Dave disappeared into the bowels of the Prudential as an Orion engineer. It was all downhill

from there and I never escaped for the next 37 odd years. I have seen the fantastic developments from what we referred to as discrete components, each logic gate being made up of transistors, capacitors and resistors in the case of the 1904E, which we fault found right down to the individual component until "package repair" came along, to VLSI, very large scale integration in the case of the large 2980 systems. Hardware MTBFs (mean time between failures) increasing from about 5 hours on 1904Es to years on current kit. This is being typed on a 4 year old Fujitsu Amilo which has never failed (hardware wise that is, I cannot say the same for Windows!)

Dave Clark Mobile 07901918567

High Speed Data Distribution 1970

Over the last few years, Internet speeds have been doubling every one to two years. Only ten years ago, we were being treated to 512 Kbits/sec Internet and the use of dial-up services began to decline. In issue 32 of Bits & Bytes, Malcolm Baxter described a project to transfer data between Imperial College and London University at 60 Kbits/sec. However, forty years ago, ICL was marketing a product that transferred data at 1 Mbits/sec over cable lengths of up to one mile. This was part of the 7181 video terminal product line.

The 7181 project started in 1969 with a requirement to produce a free-standing video terminal capable of displaying 25 rows of 80 characters. The terminal had to provide its own character storage, but in the late 1960s semi-conductor memory was very expensive and offered very few bits per chip compared with modern devices. The only economical solution at that time was use a wire delay line. There were two manufacturers that we used for the delay line, which was contained in an enclosure measuring around 30 x 25 x 2 centimetres. This included the actual wire with torsional transducers and the immediate its electronics that provided a TTL compatible interface. As the characters circulating in the delay line were only accessible at the end of their cycle through the line, each character on the screen had to be 'painted' completely before moving onto the next character. This differs from later displays that use a normal TV style raster scan and 'paint' a single horizontal slice for all the characters on a row before moving onto the next horizontal slice for the row of characters. In the 7181, the time taken to complete each character was 8 microseconds, and with 8 bits per character, this required a data rate of 1 Mbits/sec to feed the character display circuitry.

Allowing 10 extra character times for the horizontal line scan to fly back to the left hand side of the CRT, and one extra line for the vertical scan to fly back to the top of the screen meant that the actual display time for a complete screen was 90 x 26 x 8 microseconds or 18.72 milliseconds. This gave a screen refresh rate of just over 53 Hz. In order to keep the length of wire in the delay line and its physical size down, the delay line was actually clocked at 2 MHz, and the data was passed through the delay line twice between successive displays on the screen.

The 7181 was first introduced into the ICL product range in 1970 as a 'remote' terminal capable of transferring data to and from its host at 2400 bits/sec over a modem or serial communications line. The following year, ICL started producing a 'local' version that connected to a host based controller and transferred data at 1 Mbits/sec. The transfer speeds were dictated by the requirement to get data into or out of the delay line. The remote version had four characters of buffering that provided the gear change between the delay line and the host interface. At 2400 bits/sec, three characters could be transferred every 10 milliseconds. With the delay line cycling in 9.36 milliseconds, a four stage buffer was sufficient and not too expensive either in chip cost or circuit board space to hold it. In the local version, the data had to transfer at the same rate as the screen was being updated, hence the requirement for a 1 Mbits/sec host interface. Furthermore, in order for incoming data to arrive at the correct point in the delay line, the local terminal had to be kept synchronised with a master clock in the host end controller.

The host controller carried 16 terminal ports that could be directly connected to a local 7181 by up to one mile of four-wire cable. In addition, ICL also offered an expansion unit. This unit would take a single host interface and provide outward connections for up to 15 local 7181 terminals. As the expansion units cleaned up and regenerated the signals, this meant that there could be a further mile of cable from the expansion unit to its terminals. Unfortunately, I don't believe ICL ever installed a full house system of a host controller, 16 expansion units and 240 terminals.

A late requirement for the 7181 was the ability to perform a screen scroll up - an operation similar to the way a teletype works. With a scroll up, the top line of the screen disappears, the rest of the screen steps up one line and a blank line is introduced at the bottom.

On the remote version, this was achieved simply by adding an extra scan line for one cycle of the display and blanking the characters that were being lost from the top of the screen. This effectively moved the data circulating in the delay line to be one line earlier than it had been previously. For the local version, a different technique had to be used. As the terminal had to remain synchronised with the master clock in the controller, the local version accomplished its scroll up by transferring the entire screen contents to the controller, where the data was stored in a core store, and then having the data returned to the terminal in its new position. With the 1 Mbits/sec link, a scroll up typically took under 50 milliseconds to complete.

The 7181 series ran for perhaps three or four years, by which time semi-conductor technology had moved on, and the 7181 terminals were replaced with products such as ICL's 7502 and 7503 ranges.

Richard Taylor richard.taylor@consultant.co.uk

Accounting Machine Maker & Repairer

I joined Power-Samas in February 1943 at the Bute Street Cardiff office, within Midland Bank Chambers, as a trainee engineer earning £1.2s.6d per week ,or as described as an "Accounting Machine Maker & Repairer". During the next three years I received "hands on" training, in the South Wales area which extended everywhere south of a line from Aberystwyth to Chepstow. At the time two experienced engineers, namely W. P. Bates and T. Jones serviced the whole area, all under the control of Bristol. All journeys were taken by bus or train, complete with very heavy tool bag hanging on arm, limited spare parts were carried, in the toolkit. but in general on the spot repairs, make do and mend servicing was the order of the day!

During this period of my service with the company I worked on 21. 36, 45, and 65/80 column equipment.

After military service I returned to the company, continuing to work the same area, all the appropriate training courses at Croydon, Dartford and of course Letchworth. This continued with the inclusion of 80/160/1004 equipment until 1975 when I joined the 2900 group with initially Ray Griffiths (Devizes), then "West is Best" region based in Gloucester with Stuart Heilbron. Then back to Customer Service at Bristol in 1980, not the best period of my service, following this back to Cardiff in 1984, as A.S.M. in Aerospace (Dowty) Sales group with David Boorman, a very satisfying period ensued until retirement in 1988.

My toolkit is still with me, very useful in my very happy home life, thankfully I still have my faculties, despite some hurdles with major worries. The Double Majority correspondence and Bits & Bytes are the only contacts I now have with the company and the forty five years' service with all its variants in name. Chris. J. Jones

PROJECT WIND

It was a quiet day in the early 1970s when suddenly I was called to the Chief Engineers office. What I have done now, I thought!

"ICL are going F1 motor racing with the MARCH team in 6 weeks" he said. "That's when the Monza Grand Prix is and we'll be there. You're in charge of the hardware at Kidsgrove, so make it happen". He then went on to say I had no budget limit, top priority and could co-opt anyone I needed to get the job done. Oh, and it was on a need to know basis, as the board wanted to keep it away from the press.

I left his office stunned! I had never had a project on those terms, rather the reverse.

I contacted my opposite number in Bracknell and we arranged a meeting the next day. No problem with plane tickets or expenses. It quickly transpired that we needed a communications hub, a couple of outstations, 6 displays and a high speed modem connection with voice. The hub would need software to time the cars which we needed to write.

Bracknell would do all the mainframe software to process the timings and present the running order of the cars and the drivers from the data we captured. The data would be presented to the MARCH team in the pits. There was also a need for a wet/ dry program to best predict when to change tyres.

We agreed that in 4 weeks' time we would have a dress rehearsal in the Bracknell car park. That we would ship the kit direct to Monza from there and then follow it out. Bracknell would handle the logistics.

Well, the clock had started and we raced to meet the deadline. Kit was requisitioned from Marketing stores. An engineer wrote the code for CVS1A hub. Termiprinters were used for the outstations and remote displays connected via a Queuing Line Sharing Adaptor. There was all sorts of tools, generators, tents, modems, cabling, spares that we would need to work, literally, in the field.

The project came together quickly and we shipped everything on time to the Inert Peripheral room in the basement at Bracknell, out of sight. At the weekend we had the trial and timed our own cars circling the car park. The test was successful, so we packed it all into a removal van and waved goodbye.

I must apologise for the lack of names of all the people involve as after all this time, memory fails me. Two of us flew out and the first job was to contact our advocate and get the Bullens removal van out of customs. We then drove to Monza. We arrived at the gates of a big park and were stopped by security. I asked for Dr Ingineur Batchagallupi in atrocious Italian learnt on the plane out. It worked like magic and we were directed to the track headquarters in the centre of the park. A quick interview with the big man and we were directed to our site. Did I tell you it was a field next to the track!

We had a spare day before my Electrician and engineer came out which we enjoyed watching F3 and timing the cars with a hand held digital stop watch.

Next day we set up the van with a row of displays for the programmers, the hub, high speed modem, etc. Later that night we tried to connect to Bracknell. The engineer in the Post Office Tower blamed the Italians for a bit of wet string, but the fault was in Bracknell exchange. In the next few days we set up a Termiprinter on the grandstand roof and another beside the track and fitted the displays in the pits. The Programmers arrived and tweaked their software in the van. We were running on generators. The track people came and connected us up to the mains. It was a relief as the generators tended to run out of petrol and overheat. They also erected a 12ft fence around us penning us like animals with a small gate. My Italian wasn't up to understanding why they did it.

It was the night before the Grand Prix, and everything was working. Some of the Main Board were flying in early the next day. Then, suddenly, the lights went off. "No power" said Les the electrician. I'll find out what's up. Off he went into the dark. A few moments later there were several flashes and a smell of burnt circuit board. Les eventually came back with the news. The Italian BBC had disconnected us and reconnected us across the phases giving us 450V, not 230V. We were in trouble.

Working by flash light we started to repair what we could. We changed fuses, cannibalised units and got the modem going and told Bracknell the state of play. It was 01:30 in the morning when Bracknell had our final spares list. Bracknell would send someone with the spares on the first plane in the morning. We groped our way out of the park and had to climb over the wall to get to our hotel. The gates were locked to keep the crowds out.

Next morning we were back on site at 06:30. The courier arrived at 07:00 and it was all back working by 09:00. The directors arrived soon after for the grand tour.

I should explain that security was very tight. Armed Carabinieri on every gate, passes must be shown. I had a director of Sportivo pass and some of the guys had pilota (driver passes). I spent the day ferrying the directors about from secure area to secure area and running up a big bar bill.

It was a big success. MARCH were impressed. Ed Mac boasted to old man Heuer that his engineers knew the positioning and lap times of 24 drivers. Heuer only could track the top 4. So much for secrecy!

Soon it was over, the van was packed. We had a big party with a lot of great guys and headed home the next day. We put in a proposal for upgrading the kit for Watkins Glen and beyond. An air conditioned lorry and trailer not a sweaty horse box. The board meeting was duly held and the decision was not to continue. I was relieved as I was already shattered. Still it was a great experience and one I fondly remember. **Neil Macphail**

Milk Marketing Board 541

My interest in the 541 Electronic Multiplier is because when I left school about 60 years ago I went straight to work as a Hollerith punch operator. This is why I feel I can relate to something in the article (in Newsletter Autumn 1997 No.5) which said 'One result of a 50,000 run was the generation of a large amount of 'chat' (the little rectangles punched out of cards). Usually this would be used for occasions such as confetti for a wedding'

A couple of years later I worked at the Milk Marketing Board in the Hollerith machine room, and at various time worked on all the machines. In 1954 I was lucky enough to be chosen as one of the staff to represent the Milk Marketing Board on their stand at the Royal Show in Windsor, where, as said in the article, we tried to show the production of farmers milk payments.

The passage which really held my attention was 'The highlight was to be a visit by the Queen and Prince Phillip. Unfortunately at the appointed time the 541 gave up the ghost. As there was not time to fix it, a pile of blank cards were placed in the feed hopper of the 237 with a card bent up at the bottom, so that cards would not feed. The output hopper was then filled with already punched cards. When the Queen came the machine was set with all the lights flashing and the start lever wedged on the 237 Punch. This gave the appearance of lots of calculations being performed by the 541. I don't think the Queen knew what was happening, but I believe Prince Phillip twigged the con'. When I tell you that I was the operator of the 541 at that precise time it explains my interest in the article. Not only did I have to con the Royals, but also the general public for the rest of my shift. Ah - happy memories.

Pam Parlanti pamparlanti@hotmail.co.uk

SID'S EIGHTIETH

I'd planned Sid's birthday meal meticulously. He'd get here by train and Jack, another ICL pensioner, would drive here 20 miles round the M25. I'd found a convenient carvery and had a backup Pizza Express discount voucher, if the carvery was busy. Jack assured me he knew my place and anyway he had his TOM-TOM. Sid was here by 11.30. No word from Jack by noon. Checked his home, no answer. By 1pm we were getting hungry. By 2pm ravenous. At 3pm we were worried. Luckily the phone rang at 3.30pm. Jack was back home.

He'd made it on the M25 to within 2 miles of my place OK. His Satnav advised him to turn off at the next exit. Jack ignored it, as he thought he remembered a short cut, via the next exit. Just past the recommended exit, he joined the queue at the ongoing M25 road widening operation. Like most of my friends, Jack isn't of the mobile phone generation. He claimed to have rung me about noon to explain the situation. He rang somebody, who is still mystified, but I didn't get a call or an answer phone message. By the time Jack had exited from the M25, he realised he didn't know a shortcut and decided to ask his Satnav nicely, to take him home but avoid the M25.

By late afternoon the Early Bird lunch at the carvery had flown, so Sid and I headed for the all-day Pizza Express, which lay in town. Parking is a problem in most town centres and mine is no exception. An acquaintance had a town house in a culde-sac right opposite the restaurant and earlier when I'd asked him about Pizza Express he kindly said I could park outside his apartment, as they'd be away at his holiday place this week. Sure enough, we were able to park right by his front door.

Two main meals for the price of one eased our hunger pangs. On returning to the car, I noticed the upstairs the bathroom window was open. Knowing they were away, I was concerned, though the burglar alarm alongside the window seemed unconcerned.

Grateful for the use of the parking space, I felt obliged to do a good deed. Sid backed my Range Rover up to the house and I was able to climb onto the porch and reach the window. Just as I reached for the handle to lift it and slam the window. I heard the scream from the lady in the bath, who beat me to it in slamming the window. Startled, I stepped back, lost my footing and slid down the porch roof onto the roof of my car. Sid already had the engine running and as I bounced off the bonnet and scrambled into the passenger seat we made our exit, hoping the lady, hadn't seen me! I assume she hadn't, as no headlines appeared in the local paper about a 14 foot Peeping Tom. Later, I contacted the flat-owner at his holiday flat and explained the position. It seemed the porch I'd climbed on, was shared by two apartments. My acquaintance had the DOWNSTAIRS and a fellow with a blonde lady friend the UPSTAIRS. I thanked my friend and decided not to park there again. He assured the blonde hadn't mentioned the voyeur. I insisted she was actually a brunette and how I knew that didn't make me a voyeur!

My reputation was further questioned when I emailed my daughter to thank her for the website information on discount vouchers at Pizza Express. Once a year she opens her garden to Pussycat Lodge, a stray cat rescue charity. I produce a quiz for her to sell at the event. On the e-mail I added the Word attachment sample of this year's proposed quiz for her approval. The e-mail was rejected. I tried it without the attachment and it transmitted OK. I sent the email again with a different attachment and it was fine. Checking with my daughter it seems the society is Pussycat Lodge. My attachment was to Pussy Cat Quiz. Outlook Express, I presume, regard that word as obscene! So, not only am I a voyeur but a purveyor of rude words. As Sid remarked, it had been an interesting birthday!

Dennis Goodwin

dennis@dennisgoodwin.wanadoo.co.uk

Atlas 50th Birthday The Greatest British supercomputer?

The high-performance Atlas computer was developed in the period 1956 – 1962 by a team led by Professor Tom Kilburn at the University of Manchester. The Manchester-based company Ferranti Ltd. joined the project in 1959. The first production Atlas was inaugurated at Manchester University on 7th December 1962 by Sir John Cockroft, the Nobel prize-winning physicist who was Director of the UK's Atomic Energy Authority.

At the time of its inauguration, Atlas was reckoned to be the world's most powerful computer. It cost about £1 million in 1962. Amongst many new ideas, Atlas was the first to introduce the concept of Virtual Memory, now widely used in most computers. Ferranti Ltd. only built two other Atlas 1 computers, delivered respectively to a joint London University/British Petroleum consortium in 1963 and to the National Institute for Research into Nuclear Science near Harwell in 1964.

Ferranti provided the University of Cambridge with some units of Atlas hardware on special terms and, in 1963, the Cambridge group produced their Titan computer. This formed the basis for a smaller Atlas 2 product, of which Ferranti sold two machines. One went to the Atomic Weapons Research Establishment in 1963 and the other, after a spell at Ferranti's West Gorton factory, went to the government-sponsored Computer-Aided Design Centre in 1966.

The three larger Atlas computers made a major contribution to the UK's scientific computing resources of the 1960s. The innovative design of the Atlas hardware and software, written up in 25 published scientific papers, proved to be a significant landmark in the development of Computer Science. Atlas has been called the greatest of the Britishdesigned supercomputers.

By 1959 Tom Kilburn's Atlas design team consisted of 13 University and six Ferranti people. Of these 19, about ten are still around. Professor Kilburn died in 2001, though his close colleague Professor Dai Edwards is still with us. By 1961, the Atlas team had expanded to about 50 people, 35 of whom were employed by Ferranti. Many members of the enlarged design team survive today. To date, over 70 ex-Atlas designers, staff and users have been contacted and told about a proposal to hold an Atlas 50th Anniversary event in December this year.

An Atlas Anniversary Working Group has been formed and is planning a day of lectures, receptions and an exhibition on Wednesday 5th December at Manchester University. It is hoped that the event will bring together, possibly for the last time, a unique group of industrialists, academics and end-users who contributed to a world-class project which made a beneficial impact upon the UK's scientific computing resources in the 1960s. Amongst the Atlas survivors there is a desire to commemorate the inauguration of the computer, at the very least by organising a dinner in December 2012 for the surviving members of the development team and their partners.

Simon Lavington lavis@essex.ac.uk

Reunions

The next reunion will take place on Sunday 22nd April from 11:30 to 4:00 pm. The Venue is the usual hotel, the "**Doubletree by Hilton**" in Southampton Row, London. We are celebrating the 60th anniversary of the world's first commercial job that went live in November 1951 at Cadby Hall, the HQ of J Lyons.

John Hall

leosoc@freenetname.co.uk ICL Central London

The next reunion will be on Wednesday 18 April 2012 at The Shakespeare's Head, 64 Kingsway from 12 noon. The pub is on the eastern side of Kingsway just south of Holborn tube station. Bill Williams 020 7607 9408

256meteorahlhorn@gmail.com

ELS01R.WByc0/12/11The annual returnon will take place on Tuesday 2RaifAckery0/12/11October 2012 at Stevenage Labs STE04.Francis G.Cook0201/3Please send 210 to Adrian Turner, 5. Nurs Acre, Goringon-Thames, RG8 9/R. Cheques should be rade payable to Punch Card Reunion and accompanied by a SAE.Francis G.Cook0201/3Adrian Turner 01491 S72012EET01Schola AHind1200/11Kidsgrove-Drawing-Office-&- Engineering Staff.EET03Joaiha AHind1201/11Scholar Green on the first Monday in Desember. L's organised by 805 230194EET04Cyrril DRayment2000/11Nike Ray 01497 Marken beople can contact me by email.David AGodward0000/01Waftord-Harrow-Feltham Mike Ray 01585 340385LET06Brian CGroadward000001Ken Jones 01865 340385LET06John EGrant1000/11Ken Jones 01865 340385LET06John AFramption1200/01Ken Jones 01865 340385LET06John AFramption1200/01Ken Jones 01865 340385LON30HTarrant090/11Ken Jones 01865 340385LET06John AFramption1200/01Ken Jones 01865 340385LON31Richard RGroves1300/11Ken Jones 01865 340385LON31Richard RGroves1300/11Ken Jones 01865 340385LET06John AFramption1500/11Ken Jones 01865 340385LET06John AFramption </th <th>02/12 8</th> <th></th> <th>Taylor</th> <th>Eric O</th> <th>BRS06</th> <th>Boys</th> <th>chworth Old</th> <th>tevenage & Lete</th>	02/12 8		Taylor	Eric O	BRS06	Boys	chworth Old	tevenage & Lete
The annual reunion will take place on Tuesday 2 October 2012 at Stevenage Labs STEO4. Places send 210 to Adrian Turmer, 5, Nun's Acre Places send 210 to Adrian Turmer, 5, Nun's Acre Back Cheques should be made payable to Punch Card Reunion and accompanied by a SAE. Harmer 01491 872012 LET01 Barlin Ackery 00/1211 Thomas R Evenson 120021 Kidsgrove-Drawing-Office-&- LET01 LET01 Sheila A Hind 161111 The Annual rounion is held at the Bleeding Wolf. The Annual rounion is held at the Bleeding Wolf. Watford-Harrow-Feitham Watford-Harrow-Feitham Mike Ray 01856 240194 Oxford Engineers Ken Jones 01856 340385 Kenwynjones@al.com ICL Australia Ian.pearson5@bigpond.com East Grinstead 81 Club Boid reen 01782 615290 LEO Computers Society Lob Reine Trow 01788 267317 LEO Computers Society John Hall leosoc@ffreentame.co.uk Lice Computer Society John Ill leosoc@ffreentame.co.uk Lice Computers Society John Ill leosoc@ffreentame.co.uk Lice Nation Strot Station. Trever Harding 01483 565144 trever@harding14.plus.com The Versent Barding 1722 761076 Ferderick Taplin 312/0071 The Kat Reunion Rever Station. Ca Jaber Parker,			James	JW	CRE01	on)	Card Reunic	enamed Punch
October 2012 at Stevenage Labs STE04. FLD1 Fail Ackery Outpath Please end & 10 to Adrian Turmer, 5, Nuris Acre, Garing-on-Thamas, RGS 9BE. Cheques should be Francis G Cook <			•					
Please send 210 to Adrian Turner, 5, Nuns Avre, Goring-or-Thamas, RG 99 BE. Cheques should be made payable to Punch Carl Reunion and accompanied by a SAE. Lacompanied by a SAE. Engineering Staff.KID01Francis GCock Cock Count III020011Adrian Turner 01491 872012 Kidsgrove-Drawing-Office-&- Engineering Staff.LET03Bennis FCarpenter South J00011Ith Adrian Turner 01491 872012 Kidsgrove-Drawing-Office-&- Engineering Staff.LET01Sheila AFrop Revenue 1100001100000The Annual reunion is held at the Bleeding Wolf, scholar Green on the first Monday in Deember, Ic's pranial.LET04Cyril DRayment 2600811Watford-Harrow-Feltham Mike Ray 01895 240388 Ken Jones 01865 340388 Ken Jones		7				•	-	
Goring-on-Thames, RG8 9BE. Cheques should be made payable to Punch Card Reunion and accompanied by a SAE.Thormas R Penson12020EAdrian Turnor 01491 S72012Judith AHind1901/11Kidsgrove-Drawing-Office-&- Engineering Staff.LET01Sheila AFroyThe Annual reunion is held at the Bleeding Wolf. Scholar Green on the first Monday in December. It's organised by 260194Judith AHind1901/11Ken Jones 01865 340388 kenvyrjones@acl.comDethendicture Market AugustaDethendicture 2709212009011Wattord-Harrow- Feltham Mike Ray 01895 230194John EGrant Copthall House Newcastle Staffs LON24Dixon270921Copthall House Newcastle Staffs East Grinstead 81 Club Doeph Garten 0138 262860LON24Colin GFrice Harry DCL Double Majority Association Joseph Gardner 01438 362066LON30HTarrant Grown 0138 9725119CL Double Majority Association Joseph Gardner 01438 362064LON30HTarrant Gordon Franklin 0134 262847We now meet about midday on the second Wednesday of every month at Wetherspoons, Great Charlotte Street and Line Street Stafio. Corey and at Wetherspoons, Great Charlotte Street on Line Street Stafio. Charles 1130011MAN05JAshelby 1500171 Ashelby 1500171Les Mowring 01722 761076 Club GluggasGABain Gordon Reuning 14, plus.comGABain Gordon Reuning 14, plus.comKut Kent Reunion Thevort Harding 14, plus.comGABain Gordon Reuning 14, plus.comGABain Gordon Reuning 14, plus.comKut Berl						5, Nun's Acre,	Adrian Turner,	Please send £10 to .
made payable to Punch Card Reunion and accompanied by a SAE. Adrian Turner 01491 872012 Lacompanied by Jarken Staffs Engineering Staff. The Annual reunion is held at the Bleeding Wolf, Scholar Green on the first Monday in December. It's lacompanied by Jaff Parker, but people can contact me by email. Drian@morrismail.co.uk Watford-Harrow-Feltham Mike Ray 01895 230194 Oxford Engineers Ken Jones 01865 340388 Kenwynjones@aol.com ICL Australia Barpearson5@bigpond.com Copthall House Newcastle Staffs Bob Green 01782 615290 East Midlands UB405 Brian Tew 01782 615290 ICL Ouble Majority Association Joseph Eardmer 01438 362806 ICL Computers Society Brian Tew 01785 257317 LeveromBarding 11,purson, Great Charlotte Street near Line Street Station. Cord Hall leosee@freets tation. Cord Hall leose@freetentame.co.uk Liveryool Engineers Free Time Street Station. Computers Society Wentw meet about midday on the second Wednesday of every moth at Wethergons, Great Charlotte Street near Line Street Station. Cond franklin 01342 328479 ICL Computers Society Wentw meet about midday on the second Wednesday of every moth at Wethergons, Great Charlotte Street near Line Street Station. Cond all 88 365144 UrevroofBarding 14, purson, Great Charlotte Street near Line Street Station. Cond for dedzoy 01278 741 269 West Gorton Reunion Diaf Chedzoy 01278 741 269 West Storth Reunion Diaf Chedzoy 01278 741 269 West Storth Reunion Cond all 88 365144 UrevrowfBard 182 712047 West Storth Reunion Chi Chedzoy 01278 741 269 West Storth Reunion Cond all 88 365144 UrevrowfBard 182 712047 West Storth Reunion Chi Chedzoy 01278 741 269 West Storth Reunion Frie Reynolds 01452 712047 West Kent Reunion Ron Harding 01732 761076 CL Old Buggas Lex Mowbray www.cuin.co.uk/oldbuggas/ ExCL Kidsgrove West Kent Reunion Ron Harding 01732 761076 CL Cold Buggas Lex Mowbray www.cuin.co.uk/oldbuggas/ Excle Kidsgrove Markie A Gree 170000 Markie A Gree 17000000 Cl Chedzoy 01787 741 269 West Storth Reunion Ron Harding 01732 761076 CL Cold Buggas Lex Mowbray www.cuinco.uk/oldbuggas		n			KID01			
accompanied by a SAE. Adrian Turner 01491 872012 Kidsgrove-Drawing-Office-&- Engineering Staff. The Annual rounion is held at the Bleeding Wolf. Scholar Green on the first Monday in December. It's organised by Jeff Parker, but people can contact me by email. Scholar Green on the first Monday in December. It's organised by Jeff Parker, but people can contact me by email. Scholar Green on the first Monday in December. It's organised by Jeff Parker, but people can contact me by email. Scholar Green on the first Monday in December. It's organised by Jeff Parker, but people can contact me by email. Scholar Green on the first Monday in December. It's organised by Jeff Parker, but people can contact me by email. Scholar Green on the first Monday in December. It's organised by Jeff Parker, but people can contact me by email. Scholar Green on the first Monday in December. It's organised by Jeff Parker, but people can contact me by email. Scholar Green on the first Monday in December. Ken ynjones@acl.com Ken ynjones@acl.com East Midlands UB40s Green 01782 615290 LC Molle Majority Association Joseph Gardner 01483 82806 ICL Midlands Brian Two 01785 257317 LEO Computers Society We now meet about midday on the second Wednesday of every moth at Wetherspoons, Great Charlotte Street Ararding 01742 29843 Surrey Engineers Trevor Harding 01742 78109 Brit Watts 01457 12047 West Gorton Reunion In Hut Reunion Olaf Chedoxy 01278 741 268 West Gorton Reunion East Orton Reunion Claf Chedoxy 01278 741 268 West Gorton Reunion Eric Watts 01457 12047 West Gorton Reunion Eric Watts 01457 12047 West Kent Reunion East Olaf Chedoxy 01278 741 268 West Gorton Reunion Eric Watts 01457 12047 West Kent Reunion East Out Parker Station. Coarlot Chedoxy 01278 741 268 West Gorton Reunion Eric Watts 01457 12047 West Kent Reunion ExclL Kidsgrove West Gorton Reunion ExclL Kidsgrove West Gorton Reunion ExclL Kidsgrove West Gorton Reunion Exic La Kidsgrove West Gorton Reunion Exic Kent Reun						Reunion and		
Adrian Turner 01491 872012LET01Sheila AFroy111001Kidsgrove-Drawing-Office-&- Engineering Staff.LET03Demis FCarpenter 030011The Annual reunion is hold at the Bleeding Wolf, The Annual reunion is hold at the Bleeding Wolf, Tersanial co.ukLET04Simms200911Variant reunion is hold at the Bleeding Wolf, organised by Jeff Parker, but people can contact me by email.LET04Simms200911briant@morrismail.co.ukWatford-Harrow-FelthamBriant@morrismail.co.ukDixon2702021Watford-Harrow-FelthamBriant@morrismail.co.ukPhilip NDutchman241001Ken Jones 01865 340386Gorant1100011John EGrant1100011Ken Jones 01865 340388USANAWebb2309011Ken Jones 01865 340388LDN30Henry NWebb2309011Ken Jones 01865 340388LON24Colin GPrice1511011Bob Green 01782 615209LON24Colin GPrice151111Bob Green 01782 615209LON31Richard RGroves130112Cordon Franklin 01342 328479LoN34Ronald AHirves191111East Midlands UBAOsJAsherby150013John ALSizerSarape600212John Hall leosoc@freenetmame.co.ukMAN05JAsherby150013Lice Omputers SocietyMAN05JAsherby150013John Hall leosoc@freenetmame.co.ukKathleen S200911111111Lice Ocoputers SocietyMAN05		115			LEE03			
Engineering Staff.Lastio ORabbits1/10/11The Annual reunion is held at the Bleeding WolfLastio ORabbits1/10/11The Annual reunion is held at the Bleeding WolfLastio ORabbits1/10/11organised by Jeff Parker, but people can contact me byHarold JSimms2009011brian@morrismail.co.ukLET05PasqualeDebendictus1/10/11Watford-Harrow- FelthamMike Ray 01895 230194David AGodward6809011Oxford EngineersGodwardGodward6809011John EGrant1/10/011Ken yonose@alo.comHenry NWelbb2309011Brian CRobitson1/10/011Do Green 01782 615290LON24Colin GPrice15/11/11Bob Green 01782 615290LON31Richard RGroves13/01/12East Grinstead 81 ClubLON31Richard RGroves13/01/12Brian Skeldon 0115 9725119LON31Richard RHives19/01/11ICL Double Majority AssociationJAshelby50/01/13Joseph Gardner 01438 362806MAN05JAshelby50/01/13ICL MidlandsMAN05JAshelby15/01/13Brian Tevo 11782 615290MarieLister29/01/12John Hall Leosoc@freenetname.co.ukMAN05JAshelby15/01/13ICL MidlandsS6144WAN12WalterSteel12/21/21John Hall Leosoc@freenetname.co.ukNEW10Torn ALowrap27/01/12Cor	10/11 6		Froy					
The Annual Feenion is held at the Bleeding Wolf, Scholar Green on the first Monday in December, It's organised by Jeff Parker, but people can contact me by email.LET04Cyril D RasqualeRament Bioma Debenedictus2008/21 2002/13Scholar Green on the first Monday in December, It's organised by Jeff Parker, but people can contact me by email.LET05Pasquale DebenedictusDebenedictus31/001 2002/13Watford-Harrow-Feltham Mike Ray 01895 320194Watford-Harrow-Feltham Mike Ray 01895 330188Dutchman 24/1011 John E Grant11/09/11 John E Grant11/09/11 John E Grant11/09/11 John E Grant11/09/11 John E Grant11/09/11 John E Grant11/09/11 John E Grant11/09/11 John E Grant11/09/11 John E Grant11/09/11 John E Brown15/001 Brian C Brown15/001 Brian C Bro	01/12 9	nter	Carpente	Dennis F	LET03		•	•
Scholar Green on the first Monday in December. It's organised by Jeff Parker, but people can contact me by organised by Jeff Parker, but people can contact me by organised by Jeff Parker, but people can contact me by brian@morrismail.co.ukHarold J Pasquale Debenedictus Debenedictus Debenedictus 270213 270213 270214 270214 270214 Dixon 270214 Dixon David A Godward Odward	10/11 8			Leslie O			if.	ngineering Staf
organised by Jeff Parker, but people can contact me by email.LET05Pasquale Debenedictus13/10/11MilaDixon27/02/13Watford-Harrow-FelthamMike Ray 01895 230194Dutchman24/10/11Oxford EngineersStauart and an analysisStauart and analysisOdo9011Ken Jones 01865 340388Kenwynjones@aol.comHenry NWebbStauart and 04/09/11Ken Jones 01865 340388Henry NWebbStauart and 04/09/11Ken Jones 01865 340388Henry NWebb23/09/11Ken Jones 01865 340388LET06John AFrampton15/10/11Bob Green 01782 615290LON24Colin GPrice15/11/11Bob Green 01782 615290LON30HTarrant09/11/11East Midlands UB40sLON31Kichard RGroves13/01/12Brian Tcow 01785 257317LON34Konald AHives05/02/12LEO Computers SocietyJaseblosJaseblos15/01/11John Hall leosoe@freenetname.co.ukNarieLister29/09/11Liverpool EngineersRtadias 25/71/7SBarlow06/02/11Ken Jone 1755 257317KelBarlow06/02/11SLiver you 1748 3565144Kelly12/11/1113/10/11Yuter widtaff 35/0506Jaka ASearff09/02/11Gorde Francing 1483 565144Wakto1Jamos DBell20/10/11Yuter Staff 14Wakto1Jamos DBell20/10/11				•	LET04			
email.LDixon2702/11brian@morrismail.co.ukPhilip NDutchman24/10/11Watford-Harrow-FelthamDavid AGodward0890911Mike Ray 01895 230194David AGodward0890911Oxford EngineersWilliam HStuart040091ken Jones 01865 340388William HStuart040091kenwynjones@aol.comLET06John AFrampton15/1011Opthall House Newcastle StaffsLON24Colin GPrice15/1011Bob Green 01782 615290LON30HTarrant09/11/11Bob Green 01782 615290LON31Richard RGroves13/01/12Gordon Franklin 01342 328479LON34Ronald AHives19/11/11Brian Skeldon 0115 9725119LON31Richard RGroves13/01/12ICL MollandsMAN01JAshelby15/01/12RBrian Trow 01785 257317LOSBarlow06/02/11LOC Computers SocietyMAN05JAshelby15/01/12John Hall Lesco@ffreenetame.co.ukMXN05JAshelby15/01/12Newon at white spoons, Great CharlotteSTE04Kelly12/11/11Street arear Lime Street Station.GAMarie12/21/11REA12Michael SStarli31/01/1113/01/11Trevor@harding 01483 565144WaK01James DBell20/01/11Trevor@harding 14.plus.comTin Hut ReunionGABain06/02/11Cloi								
Data Distant Remorrismail.co.ukPhilip N Ronald R BanundsDutchman Edmunds24/10/11 Konald R BanundsWatford-Harrow-FelthamManual Mike Ray 01865 230194Godward Godward08/09/11 David A Godward08/09/11 David A Brian Tow 01785 23717 David David Balance08/09/11 David A Barlow 06/02/11 Barlow 06/02/11 David A Barlow 06/02/11 David Balance08/09/11 David A Barlow 06/02/11 David Balance08/09/11 David A Barlow 06/02/11 Barlow 06/02/11 David Balance08/09/11 David A Barlow 06/02/11 Barlow 06/02/11 Barlow 06/02/11 Barlow 06/02/11 Barlow 01785 237317 Barlow 0178		edictus		-	LET05	contact me by	er, but people car	-
Watford-Harrow- FelthamRonald RCondit AGodward900911Mike Ray 01895 230194John EGrant11/9911Mike Ray 01895 230194John EGrant01/9911Ken Jones 01865 340388William HStuart04/9911Ken Jones 01865 340388Web23/9911Ken Jones 01865 340388LonstantMonica WTurnerKen Jones 01865 340388LonstantMonica WTurnerKen Jones 01865 340388LonstantHenry NWebb23/9911Kenson5@bigpond.comLON30HTarrant04/99111Copthall House Newcastle StaffsLON30HTarrant04/91111East Grinstead 81 ClubLON30HTarrant09/1111East Midlands UB40sLON31Richard RGroves13/9111Brian Skeldon 0115 9725119MarieSSarlow06/0211ICL Double Majority AssociationMaNo1Kathleen FBrown06/0111John Hall Icosoc@freenetname.co.ukMAN12WalterSteel12/2211LEO Computers SocietyMarieLowrie10/11/11Street near Line Street Station.SteelMargaretWhyatt24/9911Greaver mont hat Wetherspoons, Great CharlotteSTE04KennethCowap27/01/11Street near Line Street Station.G ABain06/02110/0212Gordon ReunionCharlotteG ABain06/0211Trevor@harding14.plus.comG ABain06/02110/1211<		man	-				1	
David AGodward080901Wike Ray 01895 230194John EGrant11/0911John EGrant11/0911Ken Jones 01865 340388Web230911Ken Supiones@aol.comLET06John AFramptonICL AustraliaLET06John AFrampton15/11/11Bob Green 01782 615290LON24Colin GPrice15/11/11Bob Green 01782 615290LON30HTarrant09/11/11East Grinstead 81 ClubLON31Richard RGroves19/11/11Bordon Franklin 01342 328479LON34Ronald AHives19/11/11Brian Skeldon 0115 9725119LON34Ronald AHives19/11/11ICL Double Majority AssociationJoseph Gardner 01438 362806MAN01Kathleen FBrown06/02/12IEC Computer SocietyMAN05JS Barlow06/02/12John Hall leosoc@freenetname.co.ukNEW01Tom ALowrie10/11/11Liverpool EngineersGreat CharlotteSTE04KennethCowapStreet near Line Street Station.GG ARain06/02/1211/11/11Street near Line Street Station.STE04KennethCowap27/01/11Street near Line Street Station.G ABain06/02/1211/11Street oraning 14.1918.comUuknownJSteaff09/12/11Keit or on Runing 14.27875080JJG ABain06/02/12West Goron ReunionK JBrand CG ABain <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td>				-				
John E Aly 0.1899 200194 John E Grant 1109011 William H Stuart 040911 William H Stuart 040911 William H Stuart 040911 William H Stuart 040911 William H Stuart 040911 Monica W Turner 280811 Henry N Webb 230911 East Official C Robinson 189911 Brian C Robinson 18991101 Brian C Robinson 18991101 Brian Skeldon 0115 2615290 LON30 H Tarrant 091101 East Milliands UB40s Brian Skeldon 0115 9725119 Brian Skeldon 0115 9725119 CL Multands UB40s Brian Trow 01785 257317 LEO Computers Society John H Wideleston 250017 Liverpool Engineers Street near Line Street Station. Street Gorton Reunion Tin Hut Reunion Olaf Chedzoy 01278 741 269 West Gorton Reunion Eric Watts 01452 75080 West Branch Engineers Frie Reynolds 01452 712047 West Statian 270017 Eric Reynolds 01452 712047 West Kat Reunion Read								
Oxtord EngineersWilliam HStuart04/09/11Ken Jones 01865 340388Kenwynjones@aol.comHenry NWebb23/09/11ICL AustraliaLET06John AFrampton15/10/11ian,pearson5@bigpond.comLET06John AFrampton15/00/11Copthall House Newcastle StaffsLON24Colin GPrice15/11/11Bob Green 01782 615290LON30HTarrant09/11/11Gordon Franklin 01342 328479LON31Richard RGroves13/00/11East Midlands UB40sMAN01Kathleen FBrown06/11/11Brian Skeldon 0115 9725119LON34Ronald AHives19/11/11ICL Double Majority AssociationJAshelby15/00/12Joseph Gardner 01438 362806MAN01Kathleen FBrown06/02/12LEO Computers SocietyMAN05JAshelby15/01/12Liverpool EngineersNEW01Tom ALowrie10/11/11Kenev ment about midday on the second WednesdayREA12Michael SKelly12/11/11Street near Lime Street Staion.STE04KennethCowap27/01/12Gorge Lynn 01744 29984STE04KennethCowap27/01/12Street near Lime Street Staion.GABain06/02/12Gorge Lynn 01744 29984Wakt01James DBell20/10/11Street ReunionJREA12ManownJJCheck TopineersGABain06/02/1211/09/11Fre		liu						•
Ken Jones 01865 340388 Monica W Turner 28/08/11 Ken wynjones@aol.com Henry N Webb 23/09/11 ICL Australia LET06 John A Frampton 15/10/11 ian.pearson5@bigpond.com Brian C Robinson 18/09/11 Copthall House Newcastle Staffs LON24 Colin G Price 15/11/11 Bob Green 01782 615290 LON30 H Tarrant 09/11/11 East Grinstead 81 Club LON30 H Tarrant 09/11/11 Gordon Franklin 01342 328479 LON34 Ronald A Hives 19/11/11 Brian Skeldon 0115 9725119 LON34 Ronald A Hives 19/11/11 ICL Double Majority Association MaN05 J Ashelby 15/00/11 John Hall leosoc@freenetname.co.uk MAN05 J Ashelby 15/00/11 Lice Computers Society MAN12 Walter Steel 12/12/11 John Hall leosoc@freenetname.co.uk MAN12 Walter Steel 12/12/11 Lice Computers Society MAN12 Marie Steel 12/12/11 Joh								-
ICL AustraliaLET06John AFrampton15/10/11ian.pearson5@bigpond.comBrian CRobinson18/09/11/11Copthall House Newcastle StaffsLON24Colin GPrice15/10/11Bob Green 01782 615290LON30HTarrant09/11/11East Midlands UB40sLON31Richard RGroves13/0/11Bast Midlands UB40sLON34Ronald AHives19/11/11Brian Skeldon 0115 9725119LON34Ronald AHives19/11/11ICL Double Majority AssociationJaseph Gardner 01438 362806MAN05JAshelby15/01/12ICC MidlandsMAN05JAshelby15/01/12SBarlow06/02/12John Hall leosoe@freenetname.co.ukMAN12WalterSteel12/12/11Liverpool EngineersREA06MargaretWhyatt24/09/11Street near Lime Street Station.STE04KennethCowrie10/11/11Surey EngineersTraplin31/10/11Street (a appli)31/10/11Surey EngineersTraplin31/10/11Freakins31/10/11Street varding 01483 565144WAK01James DBell20/10/11Vest Gorton ReunionOlaf Chedacy 01278 741 269G ABain06/02/12West Gorton ReunionJ RBurton12/02/13Frie Reynolds 01457 875080J RBurton12/02/13West Kent ReunionJ RBurton12/02/14Roh Harding 01732 761076G JDonnelly<	08/11 8							
ian.pearson5@bigpond.com Copthall House Newcastle Staffs LON24 Colin G Brian C Copthall House Newcastle Staffs LON24 Colin G Freice Starf Grinstead 81 Club LON30 H Tarrant 09/11/11 Bob Green 01782 615290 LON30 H East Grinstead 81 Club Condon Franklin 01342 328479 LON34 Richard R Groves Sharpe 05/0212 LON34 Ronald A Hives Sharpe 05/0212 Rather 12,000 H Harry Dutton 15/0217 Elsie M Huddleston 25/0112 R H Wild 13/211 NEW01 Tom A Lowrie 10/11/11 Liverpool Engineers Street near Lime Street Station. Great marting 01483 565144 Trevor@harding 01483 565144 Trevor@harding 01483 565144 Trevor@harding 01483 565144 Trevor@harding 01483 565144 West Gorton Reunion Cla Chedzoy 01278 741 269 West Gorton Reunion Cla Chedzoy 01278 741 269 West Gorton Reunion Cla Chedzoy 01278 741 269 West Kent Reunion Ron Harding 01732 761076 ICL Old Buggas Lon2 Liver Poole Liver Poole	09/11 8		Webb	Henry N			m	
Copthall House Newcastle Staffs Bob Green 01782 615290LON24Colin GPrice15/11/11Bob Green 01782 615290LON30HTarrant09/11/11East Grinstead 81 Club Gordon Franklin 01342 328479LON31Richard RGroves13/01/12East Midlands UB40sLON34Ronald AHives19/11/11Brian Skeldon 0115 9725119LON34Ronald AHives19/11/11Joseph Gardner 01438 362806MAN01Kathleen FBrown06/01/11Joseph Gardner 01438 362806MAN05JAshelby15/01/12ICC MidlandsMAN05JAshelby15/01/12Brian Trow 01785 257317SBarlow06/02/12LEO Computers SocietyMAN12WaiterSteel12/12/11John Hall leosoc@freenetname.co.ukMAN12WaiterSteel12/12/11George Lynn 01744 29984SteitMargaretWhyatt24/09/11Street near Lime Street Station.STE04KenhchCowap27/01/12George Lynn 01744 29984Steit4WaK01James DBell20/10/11Streey FigineersTrevor@faranch EngineersGGA20/01/11Frederick Taplin31/10/11Steat11Reham HBlackstock12/01/12West Gorton ReunionGABain06/02/12G06/02/12West Kent ReunionGGBain06/02/1212/01/12Kut ReunionGGBain06/02/1212/01/12	10/11 8	ton	Frampto	John A	LET06			
Bob Green 01782 615290LON30HTarrant09/11/11East Grinstead 81 ClubLON31Richard RGroves13/01/12Gordon Franklin 01342 328479IgnaceSharpe05/02/12East Midlands UB40sLON34Ronald AHives19/11/11Brian Skeldon 0115 9725119HarryDutton15/02/12ICL Double Majority AssociationMAN01Katheen FBrown06/11/11Joseph Gardner 01438 362806MAN05JAshelby15/01/12ICL MidlandsBrian Trow 01785 257317SBarlow06/02/12LEO Computers SocietyMAN05JAshelby15/01/12John Hall leosoc@freenetname.co.ukMAN05JAshelby15/01/12Liverpool EngineersREA06MargaretWhyatt24/09/11Street near Lime Street Station.Streed12/12/1110/12/11George Lynn 01744 29984STE04KennethCowap27/01/12Street near Lime Street Station.STE04KennethCowap27/01/12Trevor Harding 01483 565144WAK01James DBell20/1011Trevor Warding14.plus.comGaraham HBlackstock12/01/12West Gorton ReunionG ABain06/02/12Eric Reynolds 01457 712047Kenneth ECooper01/02/12West Kent ReunionG JDonnelly27/09/11Ron Harding 01732 761076G JDorothy MFairhurst05/12/11David J Feasey03/10/11Readey <td></td> <td>son</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		son						
Job Order Of Parklin 01342 328479LON31Richard R IgnaceGroves13/01/12Gordon Franklin 01342 328479LON31Richard R IgnaceGroves13/01/12East Grinstead 81 ClubLON31Richard R IgnaceGroves13/01/12Gordon Franklin 01342 328479LON34Ronald AHives19/11/11East Midlands UB40sMAN01Kathleen F Brown06/02/1216/02Joseph Gardner 01438 362806MAN05JAshelby15/01/12Joseph Gardner 01438 362806MAN05JAshelby15/01/12ICL MidlandsBrian Trow 01785 257317SBarlow06/02/12LEO Computers SocietyMAN12WalterSteel12/12/11John Hall leosoc@freenetname.co.ukMAN12WalterSteel12/12/11Liverpool EngineersREA06MargaretWhyatt24/09/11We now meet about midday on the second Wednesday of every month at Wetherspoons, Great CharlotteSTE04KennethCowap27/01/12Street near Lime Street Station.STE04KennethCowap27/01/1211/11Correy LogineersGraham HBlackstock12/01/1111/1111/11Trevor Harding 01483 565144WAK01James DBell20/10/11West Gorton ReunionG A BainGraham HBlackstock12/01/12Kerneth E Eric Reynolds 01452 712047Kenneth E CooperCooper01/0212West Kent ReunionG J Donnelly27/08/11Janes J <b< td=""><td></td><td></td><td></td><td></td><td></td><td>affs</td><td>Newcastle St</td><td>opthall House N</td></b<>						affs	Newcastle St	opthall House N
Last Grinistead of ClubIgnaceSharpe05/02/12Gordon Franklin 01342 328479LON34Ronald AHives19/1/11East Midlands UB40sMAN01Kathleen FBrown06/11/11Brian Skeldon 0115 9725119HarryDutton15/02/12ICL Double Majority AssociationHarryDutton15/02/12Joseph Gardner 01438 362806MAN05JAshelby15/01/12ICL MidlandsBrian Trow 01785 257317SBarlow06/02/12LEO Computers SocietyMAN05JAshelby15/01/12John Hall leosoc@freenetname.co.ukNEW01Tom ALowrie10/11/11Liverpool EngineersREA06MargaretWhyatt24/09/11George Lynn 01744 23984REA12Michael SKelly12/11/11Surrey EngineersSTE04KennethCowap27/01/12Trevor Harding 01483 565144WAK01James DBell20/10/11trevor@harding14.plus.comGABain06/02/12West Gorton ReunionGABain06/02/12West Gorton ReunionG ABain06/02/12West Kent ReunionJ RBurton12/02/11Kenneth ECooper01/02/12Kenneth ECooper01/02/12Kenneth ECooper01/02/12Kenneth ECooper01/02/12Kent ReunionG JDonnelly27/08/11Ron Harding 01732 761076G JDonnelly27/08/11ICL Old Bug							5290	ob Green 01782 615
Gordon Franklin 01342 328479East Midlands UB40sKathleen FBrown06(11/11)Brian Skeldon 0115 9725119MAN01Kathleen FBrown06(11/11)ICL Double Majority AssociationHarryDutton15/02/12Joseph Gardner 01438 362806MAN05JAshelby15/01/12Brian Trow 01785 257317SBarlow06/02/12LEO Computers SocietyMAN12WaterSteel12/12/11John Hall leosoc@freenetname.co.ukMAN12WaterSteel10/11/11Liverpool EngineersREA12Michael SKelly10/11/11Street near Lime Street Station.STE04KennethCowap27/01/12Gorge Lynn 01744 29984STE04KennethCowap27/01/11Surrey EngineersSTE04KennethCowap20/10/11Trevor Harding 01483 565144WAK01James DBell20/10/11West Gorton ReunionGABain06/02/12Graham HBlackstock12/01/12West Branch EngineersECCackett11/09/11Eric Watts 01457 875080K JBradbury25/09/11West Kent ReunionG JDonnelly27/08/11Ron Harding 01732 761076G JDonnelly27/08/11ICL Old BuggasLocukout Michael AGee17/01/12Les Mowbray www.cuin.co.uk/oldbuggas/DavidFilkins09/09/11With DL Core Michael AGee17/01/12					LON31		1 Club	ast Grinstead 8
East Middands UB40S Brian Skeldon 0115 9725119MAN01Kathleen F HarryBrown Dutton06/11/13Brian Skeldon 0115 9725119HarryDutton15/0212 Elsie M15/0212 Elsie M15/0212 Elsie M25/01/12 Elsie M26/01/12 Elsie M26/02/12 Elsie		9	-		LON94		342 328479	ordon Franklin 013
Brian Skeldon 0115 9725119HarryDutton15/02/12ICL Double Majority AssociationElsie MHuddleston25/0/12Joseph Gardner 01438 362806MarieLister29/09/13ICL MidlandsMAN05JAshelby15/01/12Brian Trow 01785 257317SBarlow06/02/12LEO Computers SocietyR HWild13/12/11John Hall leosoc@freenetname.co.ukMAN12WalterSteel12/12/11John Hall leosoc@freenetname.co.ukNEW01Tom ALowrie10/11/11Liverpool EngineersREA06MargaretWhyatt24/09/11We now meet about midday on the second Wednesday of every month at Wetherspoons, Great CharlotteREA12Michael SKelly12/11/11Surrey EngineersSTE04KennethCowap27/01/12Surrey EngineersFrederickTaplin31/10/11Trevor@harding14.plus.comUnknownLocation1Trin Hut ReunionGABain06/02/12Olaf Chedzoy 01278 741 269G ABaint06/02/12West Branch EngineersE CCackett11/09/11Eric Reynolds 01452 712047Kenneth ECooper01/02/12West Kent ReunionG JDonnelly27/08/11ICL Old BuggasDorothy MFairhurst05/12/11Lick CL KidsgroveMichael AGee17/01/12							B40s	ast Midlands Ul
ICL Double Majority AssociationElsie MHuddleston25/01/12Joseph Gardner 01438 362806MarieLister29/09/11ICL MidlandsMAN05JAshelby15/01/12Brian Trow 01785 257317SBarlow06/02/12LEO Computers SocietyMAN12WalterSteel12/12/11John Hall leosoc@freenetname.co.ukMAN12WalterSteel12/12/11Liverpool EngineersREA06MargaretWhyatt24/09/11We now meet about midday on the second WednesdayREA12Michael SKelly12/11/11George Lynn 01744 29984STE04KennethCowap27/01/12George Lynn 01744 29984STE04KennethCowap27/01/12Trevor@harding14.plus.comUnknownLocation31/10/1131/10/11Trevor@harding14.plus.comUnknownLocation6ABain06/02/12West Gorton ReunionG ABain06/02/12K JBradbury25/01/12West Branch EngineersE CCackett11/09/11K JBradbury25/01/12West Kent ReunionJ RBurton12/02/12E CCackett11/09/11Kon Harding 01732 761076G JDonnelly27/08/11Daniel JFeasey03/10/11Daniel JFeasey03/10/11Daniel JFeasey03/10/11Daniel JFeasey03/10/11Daniel JFeasey03/10/11West Corton ReunionMichael AGee17/01/12<							9725119	rian Skeldon 0115 9
Joseph Gardner 01438 362806 Marie Lister 29/09/13 ICL Midlands MAN05 J Ashelby 15/01/12 S Barlow 06/02/12 R H Wild 13/12/13 John Hall leosoc@freenetname.co.uk MAN12 Walter Steel 12/12/13 John Hall leosoc@freenetname.co.uk MAN12 Walter Steel 12/12/13 We now meet about midday on the second Wednesday of every month at Wetherspoons, Great Charlotte Steet near Lime Street Station. Street Near Lime Street St				v		ion	rity Associat	CL Double Major
ICL MidlandsMAN05JAshelby15/01/12Brian Trow 01785 257317SBarlow06/02/12ILEO Computers SocietyR HWild13/12/11John Hall leosoc@freenetname.co.ukMAN12WalterSteel12/12/11Liverpool EngineersMAN12WalterSteel12/12/11We now meet about midday on the second WednesdayREA06MargaretWhyatt24/09/13of every month at Wetherspoons, Great CharlotteAllan AScarff09/12/11Street near Lime Street Station.STE04KennethCowap27/01/12George Lynn 01744 29984STE04KennethCowap27/01/12Burey EngineersSTE04KennethCowap27/01/12Trevor Harding 01483 565144WAK01James DBell20/10/11Trevor Harding 14.plus.comUnknownLocation12/02/12Eric W Watts 01457 875080Graham HBlackstock12/01/12West Gorton ReunionG ABain06/02/12Eric Reynolds 01452 712047Kalmeth ECooper01/02/12West Kent ReunionG JDonnelly27/08/11ICL Old BuggasDorothy MFairhurst05/12/11Les Mowbray www.cuin.co.uk/oldbuggas/DavidFilkins09/09/11With David Core DottoMichael AGee17/01/12	09/11 8							-
Brian Trow 01785 257317SBarlow06/02/12LEO Computers SocietyR HWild13/12/11John Hall leosoc@freenetname.co.ukMAN12WalterSteel12/12/11Liverpool EngineersNEW01Tom ALowrie10/11/11We now meet about midday on the second Wednesday of every month at Wetherspoons, Great CharlotteREA12Michael SKelly12/11/11Street near Lime Street Station.STE04KennethCowap27/01/12George Lynn 01744 29984STE04KennethCowap27/01/12Trevor Harding 01483 565144WAK01James DBell20/10/11Trevor@harding14.plus.comUnknownLocation12/02/11Kest Gorton ReunionGABain06/02/12West Gorton ReunionLocationGraham HBlackstock12/01/12West Kent ReunionJ RBurton12/02/11Kusts 01452 712047Kenneth ECooper01/02/12West Kent ReunionG JDonnelly27/08/11Renneth ECooper01/02/12G J00/102/12E CCackett11/09/11Renneth ECooper01/02/12Kenneth ECooper01/02/12G J00/01/12Lic Old BuggasDaniel JFeasey03/10/11Les Mowbray www.cuin.co.uk/oldbuggas/DavidFilkins09/09/11Weith Charles ConterMichael AGee17/01/12	01/12 8	у	Ashelby	\mathbf{J}	MAN05			_
LEO Computers SocietyR HWild13/12/11John Hall leosoc@freenetname.co.ukMAN12WalterSteel12/12/11Liverpool EngineersNEW01Tom ALowrie10/11/11REA06MargaretWhyatt24/09/13We now meet about midday on the second WednesdayREA12Michael SKelly12/11/11Street near Lime Street Station.STE04KennethCowap27/01/12George Lynn 01744 29984STE04KennethCowap27/01/12Surrey EngineersSTE04KennethCowap20/10/11Trevor Harding 01483 565144WAK01James DBell20/10/11trevor@harding14.plus.comUnknownLocation12/02/11Swest Gorton ReunionGABain06/02/12West Gorton ReunionJ RBurton12/02/12West Branch EngineersJ RBurton12/02/12Eric Reynolds 01452 712047Kenneth ECooper01/02/12West Kent ReunionG JDonnelly27/08/11Ron Harding 01732 761076G JDonnelly27/08/11Ict Old BuggasDavidFilkins09/09/11Les Mowbray www.cuin.co.uk/oldbuggas/DavidFilkins09/09/11With Diable Lorent DavidFilkins09/09/110avidKindel AGee17/01/12		v					57317	
John Hall leosoc@freenetname.co.ukMAN12WatterSteel12/12/11Liverpool EngineersNEW01Tom ALowrie10/11/13We now meet about midday on the second Wednesday of every month at Wetherspoons, Great CharlotteREA06MargaretWhyatt24/09/11/13Street near Lime Street Station.Allan AScarff09/12/11George Lynn 01744 29984STE04KennethCowap27/01/12Surrey EngineersFrederickTaplin31/10/11Trevor Harding 01483 565144WAK01James DBell20/10/11trevor@harding 14.plus.comUnknownJames DBell20/10/12Olaf Chedzoy 01278 741 269GABain06/02/12West Gorton ReunionUnknownGABaradbury25/09/11Eric W Watts 01457 875080J RBurton12/02/12West Kent ReunionJ RBurton12/02/12Kenneth ECooper01/02/12West Kent ReunionG JDonnelly27/08/11Ron Harding 01732 761076Daniel JFeasey03/10/11Ict Old BuggasDaniel JFeasey03/10/11Les Mowbray www.cuin.co.uk/oldbuggas/Daniel JFeasey03/10/11With the barboard formationMichael AGee17/01/12								
Liverpool EngineersNewordTorm ALowree10/11/11We now meet about midday on the second Wednesday of every month at Wetherspoons, Great CharlotteREA06MargaretWhyatt24/09/11Street near Lime Street Station.REA12Michael SKelly12/11/11Street near Lime Street Station.Allan AScarff09/12/11George Lynn 01744 29984STE04KennethCowap27/01/12Surrey EngineersRonald TPerkins31/10/11Trevor Harding 01483 565144WAK01James DBell20/10/11trevor@harding14.plus.comUnknownLocation10/11/12CoationG ABain06/02/12West Gorton ReunionG ABain06/02/12West Branch EngineersJ RBurton12/02/12Eric Reynolds 01452 712047Kenneth ECooper01/02/12West Kent ReunionG JDonnelly27/08/11Ron Harding 01732 761076G JDonnelly27/01/12Les Mowbray www.cuin.co.uk/oldbuggas/Dorothy MFairhurst05/12/11Daniel JFeasey03/10/11Daniel JFeasey03/10/11Daniel JFilkins09/09/11Daniel JFilkins09/09/11Daniel JFilkins09/09/11Daniel JFilkins09/09/11Daniel JFilkins09/09/11Daniel JFilkins09/09/11Daniel JFilkins09/09/11Daniel JFilkins09						k		-
We now meet about midday on the second Wednesday of every month at Wetherspoons, Great CharlotteMichael SKelly12/11/11Street near Lime Street Station.Allan AScarff09/12/11George Lynn 01744 29984Allan AScarff09/12/11Surrey EngineersREA12Michael SKelly12/11/11Surrey EngineersSTE04KennethCowap27/01/12Trevor Harding 01483 565144WAK01James DBell20/10/11trevor@harding14.plus.comUnknownLocation62/10/112West Gorton ReunionG ABain06/02/12Graham HBlackstock12/01/12West Branch EngineersE CCackett11/09/112/10/1122/10/112Eric Reynolds 01452 712047Kenneth ECooper01/02/12West Kent ReunionG JDonnelly27/08/11Ron Harding 01732 761076G JDonnelly27/08/11ILe Mowbray www.cuin.co.uk/oldbuggas/Dorothy MFairhurst05/12/11With Ellish Diotore ExerctMichael AGee17/01/12								
of every month at Wetherspoons, Great CharlotteAllan AScarff09/12/11Street near Lime Street Station.STE04KennethCowap27/01/12George Lynn 01744 29984Ronald TPerkins31/10/11Surrey EngineersFrederickTaplin31/10/11Trevor Harding 01483 565144WAK01James DBell20/10/11trevor@harding14.plus.comUnknownLocation510/11Olaf Chedzoy 01278 741 269Graham HBlackstock12/01/12West Gorton ReunionGraham HBlackstock12/01/12Eric W Watts 01457 875080J RBurton12/02/12Eric Reynolds 01452 712047Kenneth ECooper01/02/12West Kent ReunionG JDonnelly27/08/11Ron Harding 01732 761076Ronald NEllis18/01/12ICL Old BuggasDorothy MFairhurst05/12/11Les Mowbray www.cuin.co.uk/oldbuggas/Daniel JFeasey03/10/11With E bunched StreetMichael AGee17/01/12		L		-		nd Wednesdav		
Street near Lime Street Station.STE04KennethCowap27/01/12George Lynn 01744 29984Ronald TPerkins31/10/11Surrey EngineersFrederickTaplin31/10/11Trevor Harding 01483 565144WAK01James DBell20/10/11trevor@harding14.plus.comUnknownLocation6ABain06/02/12Olaf Chedzoy 01278 741 269Graham HBlackstock12/01/12West Gorton ReunionGABaurton25/09/11Eric W Watts 01457 875080J RBurton12/02/12Eric Reynolds 01452 712047K JBradbury25/09/11West Kent ReunionG JDonnelly27/08/11Ron Harding 01732 761076Ronald NEllis18/01/12IcL Old BuggasDavidFilkins09/09/11Les Mowbray www.cuin.co.uk/oldbuggas/DavidFilkins09/09/11With Phylor ProtocoWith Phylor ProtocoMichael AGee17/01/12			-		NEA12			
George Lynn 01744 29984Ronald TPerkins31/10/11Surrey EngineersRonald TPerkins31/10/11Trevor Harding 01483 565144WAK01James DBell20/10/11trevor@harding14.plus.comUnknownJames DBell20/10/11Olaf Chedzoy 01278 741 269Ga ABain06/02/12West Gorton ReunionG ABain06/02/12Eric W Watts 01457 875080J RBurton12/02/12West Branch EngineersE CCackett11/09/11Eric Reynolds 01452 712047Kenneth ECooper01/02/12West Kent ReunionG JDonnelly27/08/11Ron Harding 01732 761076BurlonEllis18/01/12Les Mowbray www.cuin.co.uk/oldbuggas/ExICL KidsgroveMichael AGee17/01/12					STE04			
Surrey EngineersFrederickTaplin31/10/11Trevor Harding 01483 565144WAK01James DBell20/10/11trevor@harding14.plus.comUnknownLocationImage: DBell20/10/11Olaf Chedzoy 01278 741 269Graham HBlackstock12/01/12West Gorton ReunionK JBradbury25/09/11Eric W Watts 01457 875080J RBurton12/02/12West Branch EngineersE CCackett11/09/11Eric Reynolds 01452 712047Kenneth ECooper01/02/12West Kent ReunionG JDonnelly27/08/11Ron Harding 01732 761076Ronald NEllis18/01/12Les Mowbray www.cuin.co.uk/oldbuggas/DavidFilkins09/09/11With Ether LegenderGee17/01/12	10/11 8		-					
Unknowntrevor@harding14.plus.comTin Hut ReunionOlaf Chedzoy 01278 741 269West Gorton ReunionEric W Watts 01457 875080West Branch EngineersEric Reynolds 01452 712047West Kent ReunionRon Harding 01732 761076ICL Old BuggasLes Mowbray www.cuin.co.uk/oldbuggas/ExICL KidsgroveWith Ether Letter Le	10/11 8		Taplin				S	urrey Engineers
trevor@harding14.plus.comUnknownTin Hut ReunionG ABain06/02/12Olaf Chedzoy 01278 741 269Graham HBlackstock12/01/12West Gorton ReunionK JBradbury25/09/11Eric W Watts 01457 875080J RBurton12/02/12West Branch EngineersE CCackett11/09/11Eric Reynolds 01452 712047Kenneth ECooper01/02/12West Kent ReunionG JDonnelly27/08/11Ron Harding 01732 761076Ronald NEllis18/01/12Derothy MFairhurst05/12/11Daniel JFeasey03/10/11DavidFilkins09/09/11Michael AGee17/01/12	10/11 7		Bell	James D				
Olaf Chedzoy 01278 741 269G ABain06/02/12West Gorton ReunionGraham HBlackstock12/01/12West Gorton ReunionK JBradbury25/09/11Eric W Watts 01457 875080J RBurton12/02/12West Branch EngineersE CCackett11/09/11Eric Reynolds 01452 712047Kenneth ECooper01/02/12West Kent ReunionG JDonnelly27/08/11Ron Harding 01732 761076Ronald NEllis18/01/12ICL Old BuggasDorothy MFairhurst05/12/11Les Mowbray www.cuin.co.uk/oldbuggas/DavidFilkins09/09/11With E Charles LossesMichael AGee17/01/12								
Graham HBlackstock12/01/12West Gorton ReunionKJBradbury25/09/11Eric W Watts 01457 875080J RBurton12/02/12West Branch EngineersE CCackett11/09/11Eric Reynolds 01452 712047Kenneth ECooper01/02/12West Kent ReunionG JDonnelly27/08/11Ron Harding 01732 761076Ronald NEllis18/01/12ICL Old BuggasDorothy MFairhurst05/12/11Les Mowbray www.cuin.co.uk/oldbuggas/DavidFilkins09/09/11With Ethenheit Decide LetterMichael AGee17/01/12				<i>a</i> .	Location			in Hut Reunion
West Gorton ReunionK.JBradbury25/09/11Eric W Watts 01457 875080J.RBurton12/02/12West Branch EngineersE.CCackett11/09/11Eric Reynolds 01452 712047Kenneth ECooper01/02/12West Kent ReunionG.JDonnelly27/08/11Ron Harding 01732 761076Ronald NEllis18/01/12ICL Old BuggasDorothy MFairhurst05/12/11Les Mowbray www.cuin.co.uk/oldbuggas/DavidFilkins09/09/11ExICL KidsgroveMichael AGee17/01/12		. 1					741 269	laf Chedzoy 01278
Eric W Watts 01457 875080J RBurton12/02/12West Branch EngineersE CCackett11/09/11Eric Reynolds 01452 712047Kenneth ECooper01/02/12West Kent ReunionG JDonnelly27/08/11Ron Harding 01732 761076Ronald NEllis18/01/12ICL Old BuggasDorothy MFairhurst05/12/11Les Mowbray www.cuin.co.uk/oldbuggas/DavidFilkins09/09/11ExICL KidsgroveMichael AGee17/01/12							union	lest Gorton Reu
West Branch Engineers5 RBurton12/01/12Eric Reynolds 01452 712047E CCackett11/09/11West Kent ReunionG JDonnelly27/08/11Ron Harding 01732 761076Ronald NEllis18/01/12ICL Old BuggasDorothy MFairhurst05/12/11Les Mowbray www.cuin.co.uk/oldbuggas/DavidFilkins09/09/11ExICL KidsgroveMichael AGee17/01/12		•						
Eric Reynolds 01452 712047Kenneth ECooper01/02/12West Kent ReunionG JDonnelly27/08/11Ron Harding 01732 761076Ronald NEllis18/01/12ICL Old BuggasDorothy MFairhurst05/12/11Les Mowbray www.cuin.co.uk/oldbuggas/DavidFilkins09/09/11ExICL KidsgroveMichael AGee17/01/12								
West Kent ReunionG JDonnelly27/08/11Ron Harding 01732 761076Ronald NEllis18/01/12ICL Old BuggasDorothy MFairhurst05/12/11Les Mowbray www.cuin.co.uk/oldbuggas/DavidFilkins09/09/11ExICL KidsgroveMichael AGee17/01/12				-				
Ron Harding 01732 761076Ronald NEllis18/01/12ICL Old BuggasDorothy MFairhurst05/12/11Les Mowbray www.cuin.co.uk/oldbuggas/Daniel JFeasey03/10/11ExICL KidsgroveMichael AGee17/01/12								-
ICL Old BuggasDorothy MFairhurst05/12/11Les Mowbray www.cuin.co.uk/oldbuggas/Daniel JFeasey03/10/11ExICL KidsgroveDavidFilkins09/09/11Michael AGee17/01/12	01/12 8	v						
Les Mowbray www.cuin.co.uk/oldbuggas/Daniel JFeasey03/10/11ExICL KidsgroveDavidFilkins09/09/11Michael AGee17/01/12	12/11 8	ırst	Fairhurs	Dorothy M			01010	-
ExICL Kidsgrove Michael A Gee 17/01/12	10/11 9	7	Feasey	Daniel J		raaal	win ee ul-/oldh	
Milling Actions		8				iggas/		-
INICK FOLDOLDS VIZ/V 309933 T. 1. M. OL								-
Sommer Cicave South	01/12 8		Gleave	John M				
nick.edmonds@yahoo.co.uk Leslie F Graves 30/10/11							0.00.UK	ick.eumonus@yano
Gerald HHantuch20/10/11ODITILADIESBEHavard01/01/12								
OBITUARIESB EHavard01/01/12Richard WHaywood13/12/11							IES	JRITUAKI
Nortel Fund EV Hennessey 28/08/11								
R03 John Brown 28/09/11 83 Arthur R High 28/10/11		sscy				28/09/11 92	Brown	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		ngs						

Clifford R

Joyce

BRA01

Simpson

Gornall

 $Ruby \; C$

Thomas E

Hitchings

Hughes

09/12/11

91

84

84

17/12/11

18/09/11

	RA	Hyman	31/12/11	83
	Leslie G	Jeffries	04/11/11	91
	Janet E	Keay	24/01/12	87
	Η	Kitchen	27/11/11	89
	Wilfred	Latham	01/09/11	82
	W K	Lowe	31/01/12	87
	G	Maddock	18/10/11	85
	Margaret	Mason	04/02/12	69
	Alan	Mellish	28/02/12	81
	Kenneth G	Mitchell	13/12/11	91
	R W	Morton	15/02/12	87
	Dennis O	Muncey	19/12/11	84
	Leslie R	Ovenden	20/01/12	94
	Egon L	Pasztor	15/11/11	75
	Valentine	Rowe	12/09/11	78
	Harry	Scott	25/02/12	97
	George C	Seddon	06/03/12	86
	Joan	Spillman	24/01/12	81 70
	Frank	Stevens	26/11/11	78
	KHJ	Tarry	06/11/11	89 09
	Albert E	Turner	31/12/11	92 77
	Charles E	Twell	25/01/12	77
	Betty M	Vernon	30/12/11	85 09
	JK	West	27/02/12	92 05
	S E	Wheatley	09/09/11 28/12/11	$\frac{95}{80}$
	William F	Wood Wright	18/12/11	80 78
	George S	Wright	10/12/11	10
IÇL F		1. 1		
	ides people who		11/00/10	
BIR03	Barry J	Walker	11/02/12 06/10/11	77 78
BRA01	John D David M	Cayley Lowe	24/12/11	67
BRA05	Jack F	Kane	23/12/11	81
BRA05 BSN01	Donald McD	Scott	20/09/11	57
ENF01	Edward E	Foxhall	05/02/12	73
FEL01	Clayton W	Benjamin	16/09/11	71
I ELUI	Patrick J	Cole	01/03/12	74
	Jeffrey	Piner	19/12/11	74
	John C	Tennant	16/09/11	77
HOM99	Ivor R	Bishop	27/01/12	70
	John	Buckley	21/11/11	82
	Keith	Budge	04/11/11	76
	Mark H	Green	20/12/11	47
	Samuel T	Ritchie	08/10/11	77
	Henry W	Sweet	25/12/11	76
	Jack A	Wootton	04/12/11	79
	Ann	Powell	23/02/12	77
KID01	Phillip J	Proudlove	14/09/11	60
	Eric	Rowley	04/02/12	75
	Michael F	Smee	01/03/12	73
	Barry J	Titheridge	25/12/11	68
LON68	Colin J	Coote	23/01/12	59 00
MAN01	Thomas H	Roebuck	10/01/12	80 79
MAN05	Roy	Beckett	06/12/11	73 75
	Elizabeth L Sandra	Connor Hibbert	29/09/11 15/02/12	75 65
	Michael H	Lockett	29/09/11	69
	Francis X	Shaw	20/08/11	68
MAN12	Peter R	Fisher	08/11/11	74
MAN12 MAN19	Leslie O	Rabbitts	14/10/11	80
MAN34	Walter I	Blomeley	29/01/12	54
MID01	Trevor B	Furney	21/12/11	72
MSC02	Lee	Garside	31/07/11	41
REA24	Graham	Oldfield	15/12/11	64
SLH06	Roy W	Savage	23/09/11	74
STE04	Peter D	Clarke	18/01/12	75
	John E	Morrison	01/10/11	66
	Joseph	Sharp	17/01/12	73

	Peter C	Williams	11/09/11	69
STE09	George	Fowlds	19/11/11	67
	Clive G	Seward	22/10/11	68
STE10	William	McClumpha	28/02/12	70
STE14	Roy P	Slaney	29/01/12	76
WIN01	Peter A	Wellen	29/11/11	79
WSR01	Richard M	Compton-Hall	13/10/11	56

Correction: Due to an administrative error the following entry was in the autumn edition.

MAN05 John B Coker 12/02/11 63

Ben Coker has not died and we apologise for any distress this may have caused, and he wishes to be remembered to all ex colleagues at West Gorton.

Jack Kane

Jack was a Pensioners' rep for many years in his retirement. He died 23 Dec 2011. Alan Wakefield has written an obituary which can be viewed on the ICL Pensioners' website

PENSIONERS' WEBSITES

The current website for ICL Plan pensioners is at http://uk.fujitsu.com/pensioner

It has the current and previous issues of B&B, along with a member's area.

This website is due to be replaced in mid-2012 by a new website for ICL People alongside a new website for Fujitsu Pensions. Both are under development. The initial version of ICL People website for ICL plan members is http://iclpeopleandpensions.org.uk.

The ICL People website will enable B&B to be viewed online.

In addition Rod Brown has set up a backup repository for B&B at his website www.bitsandbytes.shedlandz.co.uk. Rod also has other interesting information about historic ICL computers on that website - to view click on the links on the left hand column. The two ICL Anthologies produced by Hamish Carmichael are also on this site.

ICL Fund Member Nominated Trustees

Nick Cullen and John Lillywhite have been appointed. Their details can be viewed on the ICL Pensioners' website in the section on Representation in the members' area.

NEXT ISSUE

Copy for the Autumn 2012 issue must be submitted by 1 September 2012, but would be appreciated earlier.

The content of Bits & Bytes has been prepared by the Editor to provide a newsletter for ex ICL/Fujitsu staff. Fujitsu Services does not endorse, edit, or attempt to balance the opinions offered here or accept responsibility for any errors or omissions in the information, nor for any loss or damage occasioned to any person acting or refraining from acting as a result of the information or data contained within.

Printed by: **Goring Press** Gatehampton Farm Goring-on-Thames RG8 9LU 01491 872555