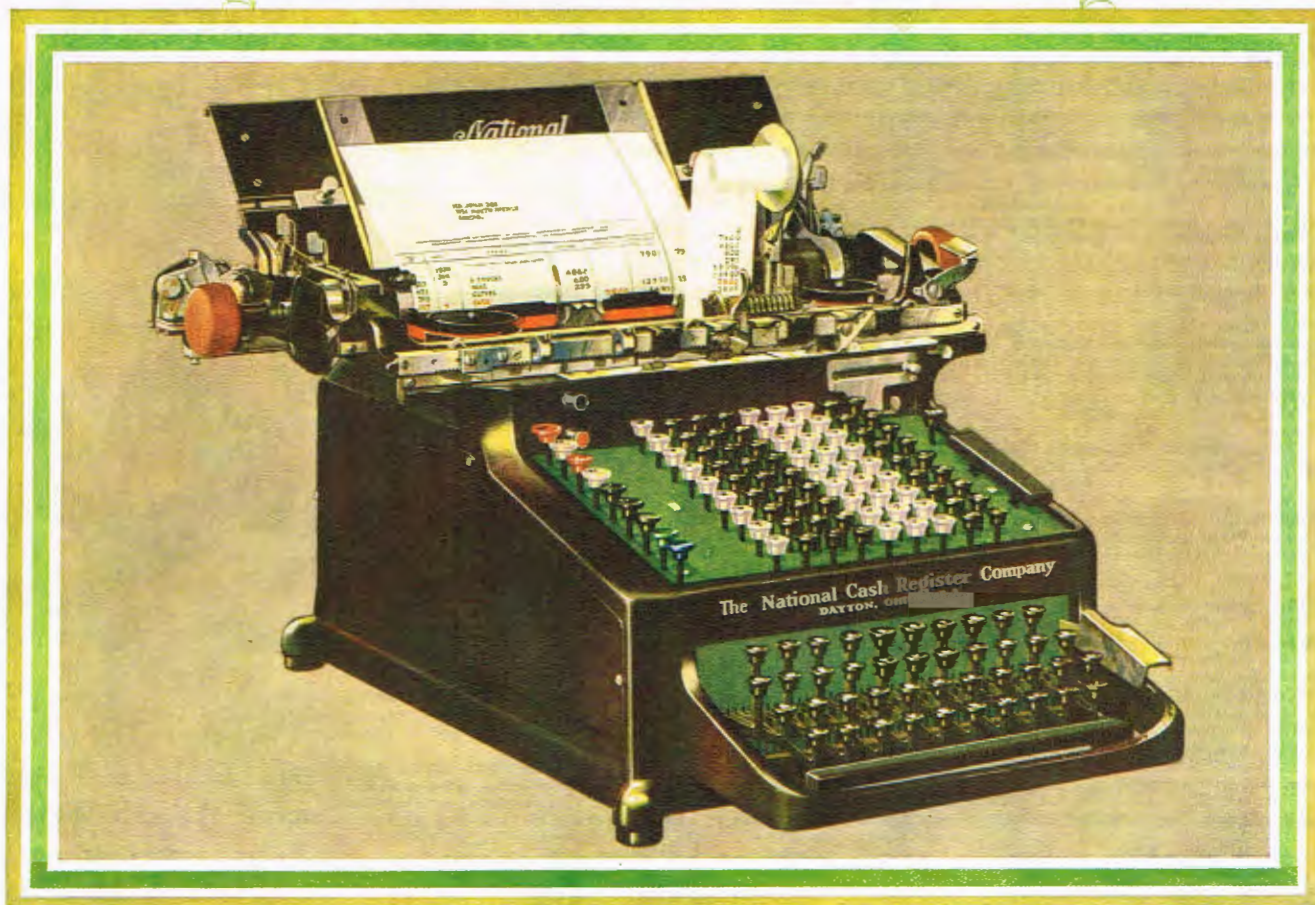


## AN ADDED SERVICE TO BUSINESS



# A NEW NATIONAL ACCOUNTING MACHINE

THE National Cash Register Company now rounds out its service to business by adding to its products a machine which does the work of a typewriting, bookkeeping and accounting machine.

As the Ellis Adding-Typewriter, this machine has already made a favorable name for itself in offices of thousands of leading business firms. Its speed and accuracy in addition and subtraction and its automatic printing of balances make slow, inaccurate, hand-written records obsolete.

From now on, this machine will be known as the National Accounting Machine. It meets—and fills—a distinct need in the effective control of business.

It provides a visible printing line, thus keeping the work in full view of the operator at all times. It is electrically operated. It has standard keyboards.

Among its automatic features are . . . automatic printing of balances . . . automatic printing of ciphers . . . automatic tabulation . . . automatic carriage return . . . automatic designation of balance . . . automatic punctuation. This machine also keeps a printed tally-roll record of each amount posted in the order of its occurrence.

Behind the National Accounting Machine are the resources and experience of The National Cash Register Company—the world's largest manufacturer of cash registers and record-keeping equipment. The same principles of world-wide service are back of every sale and every machine in use.

Thus The National Cash Register Company rounds out its service to business in this age of business machines. Every function in the keeping of records and the handling of money can now be performed by the products of The National Cash Register Company.

## THE NATIONAL CASH REGISTER COMPANY

DAYTON, OHIO, AND PRINCIPAL CITIES THROUGHOUT THE WORLD



## AROUND THE REGIONS

### Region 2E – Pat Keogh

Our May 2017 Lunch was held on the 17th at Otley Golf Club on the outskirts of Otley and 32 of us enjoyed a fabulous three course lunch, a lot of banter and a small number of drinks.

**Derek Allen** from Manchester attended with his wife **Debbie** and we discussed if there was any way we could get the lunches going again in the Northwest. He is confident that there would be an interest but no one feels able to organise it. **Walter Bullen** and his wife **Jean** were not on holiday this time and enjoyed the day with us. **Maureen Burdis** and **Peter Raisbrick** were there but were missing the other half of their team, **Silvia Back** and **Sheila Davidson** who were on holiday.

**Margaret Ellis** and **Barbara Duncan** are regular attendees at our May lunches and attend the Birmingham Lunch in Litchfield in October.

**June Rudge-Priestley**, a regular, was joined this time by new attendees **Susan Algar**, **Kathy** and **Elaine** making up most of the old Leeds admin team. **Don Ward** and his wife **Judy** missed the October lunch through ill-health but made it this time.

**Peter Carruthers** arrived with a guest, **Roy Burnell**, who used to work with our mainframe team on a number of major sites around Leeds. **Norman Roberts** and his wife **Denise** traveled once again from Scotland to be there and also attending was **Jean Pugh**, **Ron's** wife.

**Walter Scarth** was warmly welcomed as a first timer. Walter has been looking after his wife for some time but she passed away last year. He has always sent me an email each time detailing how he was doing. Reading these emails out, it was as if he was attending the previous lunches. We all hope he will continue to come.

Also in attendance were the regulars, **Mervyn Clapham**, **Dave Dawson**, **Alan Ludlam**, **Peter Cundall**, **Graham Hatton**, **Pete Scanlon**, **Mike Wood**, **John Gilroy**, **Keith Penny**, **Frank Pusey**, **Keith Stansfield** and of course myself **Pat Keogh**.

I was also contacted by **Peter Ramsden**, **John Evanson**, **Liz Lee**, **Margaret Smith**, **Richard Willett**, **Alan Dixon**, **Andrew Hill**, **Sandy McMillan**, **Steve Baldwin**, **Baz Pickard**, **Mike Green**, **Ian Beveridge**, **Harrold Hunter**, **Terry Fergusson**, **Bud Abbot**, **Dave Cowley** and **Richard Slater** who were unable to attend for a mixture of reasons.

**Geoff Beaumont**, who lives in the Northwest, has always attended the Leeds lunches with his wife **Pauline**. He has missed some recently through ill-health and now informs me that it is unlikely that they will attend any more as the traveling is too much for them now. We always enjoyed their company and shall miss them. I have no doubt that Geoff will keep in touch through email so that I can update the lunches.

Everyone continued to enjoy the afternoon before going their many different ways and looking forward to our October Lunch

Future Dates.

All of our future lunches will be on the 3rd Wednesday in May and the 4th Wednesday in October.

Next Lunch:- Wednesday 25th October 2017



*June Rudge-Priestley and Susan Algar.*



*Peter Scanlon and Walter Scarth*



*Derek and Debbie Allen and Walter and Jean Bullen*



*Frank Pusey, Keith Penny, Keith Stansfield and John Gilroy*



## Region 2E continued



Don and Judy Ward



Peter Carruthers and Roy Burnell



Graham Hatton, Dave Dawson and Mervyn Clapham



Mike Wood, Pat Keogh and Peter Cundall

## Region 3 – Keith Templeman

Our Spring Lunch was held on the 6th of April at our usual venue of the George hotel in Lichfield. This is a central location for most of our members. The George serves a very good three course carvery style meal at a good price. We have thought of varying the location, but the majority believe it would be difficult to improve on it and, being in the centre of Lichfield, several folk take advantage of the local parking and have a walk around or visit the local shops.

There were 23 present on the day: Ian and Sheila Ormerod, Duncan and Dorothy McCondochie, Harry Ridge, Clarence Allbutt, Joy Wright, Jil MacPhail accompanied by her daughter Fiona, Dave and Jacky Beatie, Jim and Angela McHugh, Joe and Jenny Teeling, Kevin and Marion Rixson, Iain Simpson, John Latty, Bob Swingler, Les Clarke and Keith and Dene Templeman.

Several other regulars couldn't make it due to other commitments; Malcolm Alliband, Allan Green, David Green, Peter Heywood, Ian Davidson, Phil Rock, and Joy Maskell. Brian Briggs was golfing again, this time captaining the NCR Seniors team against Ashridge Seniors on the Ashridge course where, he tells us, "the great Henry Cotton was once the Club professional" (whoever he was for the non-golfers like myself amongst us! but I'm sure our golfers will know of him of course).

Some had medical issues that kept them away; Paul Glynn, Noel Shaw and Ken Ford, and others had transport issues and felt they may have difficulties attending future lunches; Eric Grace and Henry Hardacre to name two.

All sent their best wishes to attending members, and I'm sure we send best wishes to them also for the future if they are unable to make the journey.

Sadly Alastair Gilmour advised me that he could not make it due to illness and unfortunately passed away on the 8th April after a short battle with liver cancer. We send our condolences at this time to Maggie and family.

Some extracts of the 2016 Fellowship Chairman's report were conveyed to the group:

"Since the transfer of our pensions to PIC, 2016 was quite quiet compared with the activity of 2015. Six new members were welcomed, however the changing face of NCR is making further new members hard to find. Copies of PostScript have been sent to remaining NCR offices in the hope that the promotion might encourage others to join. This initiative was coordinated with Bryan Reddie, NCR Marketing and Communications, but the activity failed to generate any more new members. Fellowship information was also supplied to a large gathering of ex marketing employees, but with the same result. All of the new members this year have come by 'word of mouth'.

It was also found that PIC had not included the promised information about the fellowship with their new member forms. However they arranged for Mercers to write to every new pensioner since they started paying our pensions. Again this did not result in new members.

The Fellowship accounts are however healthy and the projection for 2017 suggests there will be no need to



## Region 2E continued



Don and Judy Ward



Peter Carruthers and Roy Burnell



Graham Hatton, Dave Dawson and Mervyn Clapham



Mike Wood, Pat Keogh and Peter Cundall

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The Fellowship accounts are however healthy and the projection for 2017 suggests there will be no need to



**Region 3 continued**

increase the current £10 membership fee in the foreseeable term”.

Next Lunch diary date.

Thanks Joe and Kevin for letting me know that the next PIC lunch for the midlands will be on Thursday 12th Oct.

Our next lunch will therefore be on Thursday 5th October.



Joy Wright, Jill MacPhail and daughter Fiona, Dorothy McCondochie



Les Clarke, Duncan McCondochie, Harry Ridge, Clarence Allbutt



Joe and Jenny Teeling, Jim and Angela McHugh



Iain Simpson and John Latty



Keith and Dene Templeman



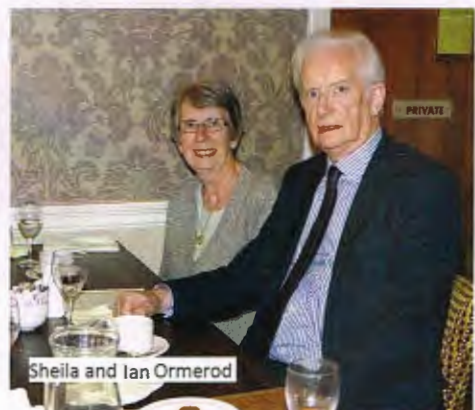
Jacky and Dave Beattie



Kevin and Marion Rixson



Bob Swingle



Sheila and Ian Ormerod



### Region 4 – Roger Whelan

The invitations for Region 4's lunch to be held at the Corus Hotel in London on Wednesday 4th October will be sent out at the end of June or early July. Please note that lunch will be served a little earlier this year at 12.30pm which will allow a bit more time for after lunch conversation. If you do not receive your invitation by Friday 6th July please get in touch with Roger Whelan (contact details on the back page).

It would save on postage if invitations could be sent by email wherever possible. If you would be happy with this alternative arrangement please send your email address to [r.whelan2007@btinternet.com].

### Region 5 – Anthony Welch

We had our spring lunch on 5th April at the 'Malta' Allington, Maidstone.

The numbers were down slightly, but we were catered for quite well, and we managed to while away a pleasant three or so hours, as usual we segregated, this by mutual agreement, and the topics covered I won't even try to guess.

Those present were **Estelle Sillette**, Tom and Wendy Elliott, Rod and Janni Nash, Ray and Carol Howes, Peter Shipp, myself and the lady wife.

Apologies from **Chris Stocker** and **Neville Huron** who is not very well, worryingly that's all the responses.

Hopefully better when we arrange the October lunch!



### Region 6 – Alan Hutchins

Region 6 has not held a lunch since the last edition of Postscript. I have arranged a lunch on October 4th at Bramber. I cannot get a price until August so the invitations will not go out until then. The restaurant says that prices are fluctuating so much they cannot cost the lunch this early. I am expecting quite an increase this year. Don't forget my new email for the magazine. Hope you are keeping well, have a good summer.

### Region 7 – John Jones

Region 7 met for their Summer Lunch on Tuesday 6th June at The Hollow Tree, Bradley Stoke just off the M5 junction 16. A popular venue as it is much easier to reach than the previous one. Unfortunately our host and organiser, **John Jones** was unwell on the day and unable to attend. Get well soon! There were 15 of us there and we dined well, taking advantage of the "two meals for the price of one" offer. Much of the afternoon was taken up chatting, most leaving just in time to beat the late afternoon rush.

Those who attended should have been:- **Dave and Jean Jones, Roy Back, Geoff Jackson, Rita Keitch, Jessie Wallace and Martin, Maurice and Pat Keene, Ian Omerod, Graham and Carole Watt, Dennis and Anita Williams, Wayne Edmund**

Wayne wasn't supposed to be coming as he was expecting an audition for a part as an Undertaker but it didn't happen.

Fred Macey should have come but his wife wasn't well.

I was due to come but would probably have spent most of the time in the Loo.

Here is a list of some of the absentees and reasons; **Keith Middleton** in Switzerland, **Bill Hudson** recovering from a trip to Spain, **Chris Mumford** Grand Daughters sports Day, **Dave Robinson** forgotten previous engagement, **John Shadbolt** Moving house, **Keith and Margaret Ponting** Holiday in Cornwall, **Bill Park** not mobile enough, **Johnny Watts** the same. **Jean Cheek, Mary Leader, Sue Hooper, Chris Stocker, Michael Wells, Rob Fairbairn, Les Clark, Anne & Bev Cunningham, Paul & Angela Bryant, Bob Kirkham and Peter Bodley** all express their regrets and send their best wishes.



**Martin, Anita, Ian, Wayne, Geoff, Dennis and Jessie**



## Region 7 continued



Left hand side: Dave Jones, Carole Watt, Graham Watt, Wayne Edmund, Geoff Jackson, Dennis Williams, Jessie Wallace.  
Right hand side: Martin, Anita Williams, Ian Omerod, Roy Back, Rita Keitch, Pat Keene, Jean Jones.  
Photographer was Maurice Keene



Geoff, Wayne, Martin, Anita & Ian



Pat Keene & Jean Jones



Roy, Rita, Pat, Jean, Graham, Carol and Dave

## Region 8 – Richard Craigie

We had another enjoyable lunch at The Lazy Otter on Thursday 27th April. We were 19 in all and it was nice to welcome back **Ted** and **Doreen Long**, **Mike** and **Mary Wood**, **Mike Ree** and **Derek Prescott**. We too had a great catch up with **Keith Templeman** and **Kevin Rixson** who joined us for their first visit. On a sad note **Olwen**, **Colin Franklin's** wife has passed away and she was very much missed and I know everyone was pleased to see **Colin** with us. **Ralph Harding** was unable to be with us because of his health, I know he was disappointed, everyone wishes him a speedy recovery. We missed as well **Ted** and **Debbie Miller**, **Pat Buck** and **Tom** and **Rita Boles**, and again our best wishes are sent to them.

Several of my other regulars were missing, mix up with dates, I must try harder to send out more reminders. At the lunch were **Mike** and **Mary Wood**, **Ted** and **Doreen Long**, **Mike**, **Cliff** and **Jack Ree**, **Derek Prescott**, **Dennis Pearce**, **John O'Connor**, **Coln Fanklin**, **Frank** and **Gladys Bellamey**, **Tom** and **Avril Herbert**, **Keith Templeman**, **Kevin Rixson** and finally **Gloria** and me.

Our next lunch is booked for Thursday 19th October at The Lazy Otter.



Mary & Mike Wood



Keith Templeman & John O'Connor



Jack Ree



Region 8 continued





Region 8 continued



Doreen Long



Ted Long & Colin Franklin



Gloria Craigie & Gladys Bellamy

Region 9 – Jessie Wallace

With a reluctant heart, I have had to cancel the Summer Lunch for lack of support. Only two members with partners were free to come. The date was changed to accommodate one of the members and his wife. This was discussed with the group in November and the new date agreed.

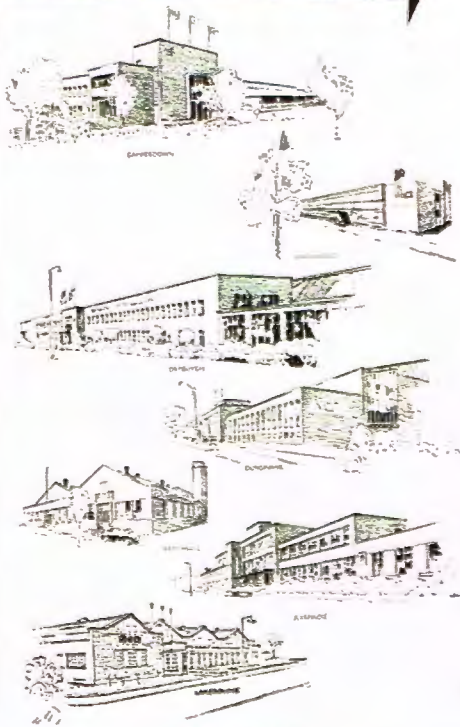
(the member who prompted the change has decided not to come anyway! ED)

Our next date will now be Monday 4th December, slightly later than usual in order to partake of the Christmas menu. Please try to make it. Jessie.

Stop Press

Wally Crump’s wife, Cherry, tells us that Wally is not too well at present having just celebrated both his 90th year and 65th wedding anniversary. Congratulations to you both and hoping that you are better soon.

who’s where?



Dated 1966

The many recent Departmental moves have prompted the inclusion of the following table to help keep you up to date.

Factory	Size	Occupied	Function
Camperdown	146,000 sq. ft.	1946	Administrative headquarters. Accounting Machine assembly, Class 395 assembly, Series 500 Computer assembly.
Beechwood	48,000 sq. ft.	1949	NCR Scottish Data Processing Centre and distribution area for completed products (home market).
Dryburgh	264,000 sq. ft.	1952	All manufacturing and processing departments except Plastics Moulding, Powdered Metal and Heavy Milling sections.
Dunsinane	185,000 sq. ft.	1962	Engineering (Manufacturing and Product) Division, including Tool Division and Laboratory. Maintenance Departments. Class 395 Wire Harness assembly and Class 411 ANCD assembly. Stages 1-3 Accounting Machine assembly. Plastics Moulding.
Broomhill	11,000 sq. ft.	1963	Training Centre and Printing, Stationery and Mailing departments.
Kilspindie	130,000 sq. ft.	1964	Cash Register, Adding and Book-keeping Machines, Paper Tape Punch and Class 480 Magnetic Amount Encoder assembly.
Lansdowne	26,000 sq. ft.	1966	Heavy Milling and Powdered Metal departments.
Total	810,000 sq. ft.		



## SUMMER MESSAGE FROM THE CHAIRMAN

The first six months of the year have again been very quiet. We have continued to pursue several initiatives which we hoped would result in new members, however the Committee have now agreed that we have probably reached the point where new members will be minimal.

We held our regular annual meeting in March at the NCR facility in Merchant Square and as usual we discussed our finances and other operational issues. I was able to present that our income for 2016 covered our costs despite the membership numbers falling year on year. This is mainly due to the cost effective way that the Committee carry out their organising activities and the support given to us by the printers of PostScript who do an excellent job. Our thanks go to them all.

Based on the financial results and our projections for future years the Fellowship membership fee will remain at £10.

Unfortunately we still do not have an organiser for region 2W and I apologise to these members that no lunches have been arranged.

The last few months have been far from quiet for me personally as I moved house at the end of January. Please note my new contact details on the back page of the magazine.

Finally thank you all for your continued support and I hope you all have a lovely summer.

Lin

## Nice little earner for FED

As well as looking after National Westminster Bank full-time, John Taylor of Field Engineering Division Finchley, is getting a name for himself in the television world.

Paul Shlackman in the NCR Press Office contacted John when Euston Films – makers of the 'Minder' tv series – called NCR for help. They wanted an NCR automated teller machine (ATM) to show Arthur Daley's plastic being withdrawn in best diabolical liberty fashion.

The production company already had National Westminster Bank agreement to take a distance shot of an NCR 5084 in a high street scene (pictured opposite). But the script called for a close-up shot of an ATM glass security screen snapping down on the cockney entrepreneur.

The NCR 5084 does not have such a screen and so FED and Express Boyd shipped a spare NCR 5080, which does, from the NatWest support centre at Brent to the studio.

John could not get along to the filming as he was involved in a minding job of his own, introducing Ken McNeal to his new FED colleagues.

"This is the second time that we have helped a tv production in just a few months," said John. "Although I hope the NCR logo shows up on the film I did ask for a credit for NCR and Express Boyd in the titles. Euston Films said they could not oblige so I charged them a nominal amount for our services."

Which meant that, in true Arfur fashion, John had turned the deal into a nice little earner for FED.

(Sadly, see obituary – Ed)

## NCR Fellowship January 2016 – December 2016

### Membership summary:

UK members	445
2016 New members	6
<b>Total membership 2016</b>	<b>451</b>

Deceased members	11
Non renewals	19
<b>Starting membership 2017</b>	<b>421</b>

### Membership by region

Region 1	25
2E	37
2W	34
3	36
4	164
5	24
6	19
7	25
8	17
9	18
10	13
11 (overseas)	9
<b>Total</b>	<b>421</b>

### Financial Summary:

<b>Income</b>	
Total b/f	5473.45
Membership fees	4210
New members	40
Donation	111
Early payments 16	20
<b>Total</b>	<b>9854.45</b>

<b>Outgoings</b>	
Expenses	602.65
Postscript	3271.94
<b>Total</b>	<b>3874.59</b>

<b>Balance c/f</b>	<b>5979.86</b>
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NB. Subject to audit planned June 2017

Expenses covers all administrative costs (eg. postage, copying, annual meeting)





## OBITUARY

We are sorry to have to tell you that the following employees are no longer with us. Our condolences go to all the affected families:

### Fellowship Members

D	Beckley	22/01/17	Region 4
D A	Calford	06/01/17	Region 7
D	Dally	25/12/16	Region 4
M J	McKenna	09/04/17	Region 9
N	Samuel	07/02/17	Region 4
DCR	Swannell	04/10/16	Region 9
JH	Taylor	11/01/17	Region 4
CE	Thompson	07/03/17	Region 4
O	Williams	13/12/16	Region 4
M	Winchester	13/01/17	Region 2W

### Other Employees

RA	Andrews	17/11/16
A	Atkinson	28/12/16
JR	Brown	16/01/17
J	Dick	23/12/16
L	Edwards	22/10/16
BA	Floyd	25/02/17
DA	Goodhew	01/12/16
TM	Gruenbaum	01/11/16
DC	Maclennan	08/04/17
P	McDermott	07/01/17
CA	Peterman	23/11/16
AH	Proctor	03/11/16
TC	Redford	27/10/16
RS	Rogers	11/11/16
M	Smiley	01/01/17
HM	Stenhouse	23/10/16
D	Triggs	29/12/16
LA	Turner	04/11/16
J	Young	08/03/17

## DENNIS ANTHONY ROBIN GOODHEW 22/11/1944 - 1/12/2016

I am sad to let you know that Dennis Goodhew died on 1st December 2016. I expect that you will also have received news from PC, although I suspect that he was not a member of the NCR Fellowship.

Dennis and I attended the same school, The John Lyon School, Harrow, although we only overlapped for two years. I also knew him through the school's old boys' association, for which he played football (in goal). He then followed me to NCR, working in the City Data Centre about the time I moved to software development at Baker Street and Head Office. I am not sure of his subsequent jobs at NCR, but I gathered that he stayed there until he retired early on health grounds. He had been suffering from Lewy Body Dementia for some years.

I attended his funeral at Pinner Parish Church on 14th December.

Kind regards  
Doug Milsom

## JIMMY YOUNG, 1929-2017



A large number of mourners gathered at Cumbernauld Free Church on March 15 for the funeral of James 'Jimmy' Young who died on March 8. He was 88. After the church service, he was laid to rest at nearby Eastfield Cemetery. Jimmy was a stalwart of the College of Piping for many years; he was an instructor and latterly chief instructor at the College from 1996 until June 2005 when he suffered a stroke. He was also a well-respected solo-piping judge.

*(Courtesy of 'Piping Times')*

## Your Editor Celebrates

Geoff Jackson, Editor of PostScript for the last 32 years, celebrated his 85th birthday amongst 50 of his friends and relatives in Newton Saint Cyres Village Hall on 27th April last.

This included NCR colleagues and those connected with his many interests who travelled from many parts of the country to be with him.





## 25 years ago 1992

NCR's System Services Division became the first UK Division to achieve ISO9001 Quality Assurance approval for all its departments led by its Quality Manager, Peter Heywood.

Field Engineering Division's Quality successes, lead by Operations Manager, Alan Chard, involved Audits at the Brent Logistics Centre, Midlands Region at Sheldon and Leeds led by Pat Keogh.

Teradata purchased for \$520 million, integrated within the NCR operation.

Stephen Swinbank appointed Manager of the newly created Alliance and Integration Group.



**Stephen Swinbank**

Jim Schmidt appointed Director of Field Engineering Division. Alan Chard appointed Field Operations Manager with four Regional Managers reporting to him. Jim Logan appointed Support Team Manager. Marylyn Almond heads up newly set up Call Centre Operations, Sheldon. F&A operations were managed by John Burchfield with the assistance of Eric Page.

NCR announces support for Microsoft's 'Windows 3.1.

NCR Safari and 3170 Notebooks released

## 50 Years Ago 1967

In the spring of 1966 Chancellor of the Exchequer, James Callaghan announced in Parliament that Britain would change to Decimal currency and the date would be February 1971. Prompting NCR to plan the massive changes to the company to handle the production of new machines capable of working in both currencies and conversion kits for existing machines.

Dundee begins production of the Class 500 computer, an improved version of the 390 model. This fully transistorised expandable data processing system was designed to provide 'price and performance' to both large and small companies.

To provide facilities for decimalisation and provide facilities for expansion the 283,000 square foot factory at 1000 North Circular Road was purchased.

NCR buys the transport company Express Boyd

Personnel department plans to increase the number of engineers recruited each year from 100 to 225.

NCR receives Royal Warrant for its products.

## By Royal Appointment



By appointment to H.M. The Queen  
Suppliers of accounting machines

For the past four years the Company has successfully maintained the installation of a Class 32 accounting machine at Buckingham Palace for the purpose of keeping the payroll and the household accounts of the Royal Family. As a result of very close working under somewhat unique circumstances, we heard early last year that the installation was held in very high regard by Her Majesty Queen Elizabeth and that we were likely to be rewarded with the Royal Warrant. In December a letter arrived from Buckingham Palace informing us that we could show the Royal Crest on our letterheads and other printed matter and on all NCR machines delivered to British users.



## The Queen's Award to Industry



We are proud to record that H.M. The Queen has conferred the above award upon The National Cash Register Company (Manufacturing) Ltd. for outstanding achievement in increasing exports. The award was announced on Her Majesty's birthday, April 21, and published in a supplement to the London Gazette.

This award entitles NCR to use the above emblem on products, stationery and packaging, in press advertising, printed leaflets, booklets and company reports, at exhibitions and displays, on posters and in the form of a flag.

A presentation of the Grant of Appointment from the Queen, together with the emblem of the award, will be made by the Lord Lieutenant of the City and County of Dundee, as the Queen's representative, at a special ceremony to be arranged at the Company's factories.

During the three years from 1964 to 1966, exports of cash registers, adding machines, accounting machines and electronic data processing equipment represented 50 per cent of the Dundee organisation's total production.

We congratulate all members of our Company for their efforts which have resulted in this important national recognition of our export achievements. Undoubtedly it underlines the important part played by NCR in the British economy.





## The story of the NCR-Ellis Accounting Machine Class 3000

The cash register had been The National Cash Register Company's core product until the development of the Class 2000 accounting machine in 1921.

This accounting machine had been development over a considerable time involving 3,000 people working on the development of the "2000" with 1,000,000 hours having been spent on tool work. All tools were made since March, 1920; complete tools cost nearly \$2,000,000.00 with the grand total cost of the "2000" development approximately \$5,000,000.00. It took another seven years before an "English currency" machine was developed and sold in Britain. The 200 fast became a best seller on both sides of the Atlantic

### Progression of Class N-2000

	Employees	Machines
May, 1926	16	2
May, 1927	103	17
May, 1928	178	35
Jan. 15, 1929	330	60
Mar 15, 1929	428	85
April 15, 1929	450	100

In March 1929 NCR was able to announce that "The addition of the new Class 3000 Accounting Machine (Ellis Model) to "The NCR Long Line," has opened up an entirely new field."

Early in 1898, Halcolm Ellis, a St. Louis patent attorney, conceived the idea that a machine that would be capable of typewriting and mechanically adding and printing figures and totals, would have a large place in business accounting. He was a practical draftsman and was familiar with the principle governing the operation of calculating machines, so he started on the design of a machine to carry out his ideas. About 1901, he secured the backing of C. C. Hoyt, a wealthy banker, who established him in a factory at Attleboro, Mass. Here he made a working model of a single accumulator, hand-pull, adding typewriter. Having apparently completed his model, Mr. Ellis then went to Jersey City, where work was started on tools for manufacturing the machine.

The death of Mr. Hoyt, his financial backer, put a stop to this work.

In 1905, a new corporation called the Ellis Adding-Typewriter Company, was formed in St. Louis, which took over the Hoyt interests. The same year Mr. Ellis started work in a small loft at the corner of Clinton and Lawrence Streets, Newark, N. J. Here he redesigned his old model and made a new one for an enlarged and improved machine. This machine was exhibited at the business show in New York in 1909, and caused quite a sensation. In 1908, a larger building at 13th and Morris Avenue, was rented, and the work of tool making finished. In this factory the first practical Ellis Adding-Typewriters were built. These were handle-pull, double accumulator shift key adding typewriters that looked



*The original Ellis Model on which the ribbon spools were mounted vertically.*

much like the present Ellis machines. The factory force now totalled about forty men, and by 1910 the building became too small. A three-acre lot was located at the south end of Newark. This faced Elizabeth Avenue, with the Lehigh Railway tracks in the rear.

In May, 1911, Dr. Boyce took the first two Ellis Adding-Typewriter machines to Atlantic City and demonstrated them at the convention of the New Jersey Bankers' Association. As a result of this showing, the National Bank of New York, the American Exchange National Bank of New York, the National Newark Banking Company, and the Old Colony Trust Company of Boston, became impressed with the machine and allowed trials in these respective banks. All were satisfied and bought Ellis machines.

About 1911, all models were equipped with electric motors, and later a very practical four accumulator machine had been perfected and placed on the market. In 1921 a subtracting Ellis Adding-Typewriter was added to the line.

### April 1929

The National Cash Register Company took over Ellis Adding-Typewriter Company in 1929 and production of the accounting machine continued at Newark.

The output of thirteen different sizes was 10 per day. The total number of employees in Dayton being 54. The department then occupied the east end of the fourth floor.

The first Class 3000 Accounting Machine (Ellis Model) sold in Dayton, was installed by the Third National Bank. The second machine was installed by the Winters National Bank and Trust Company. Mr. J. F. Mueller, cashier of the Third National Bank, had placed a tentative order for one of these machines as soon as he learned that Ellis interests had been taken over by this Company.

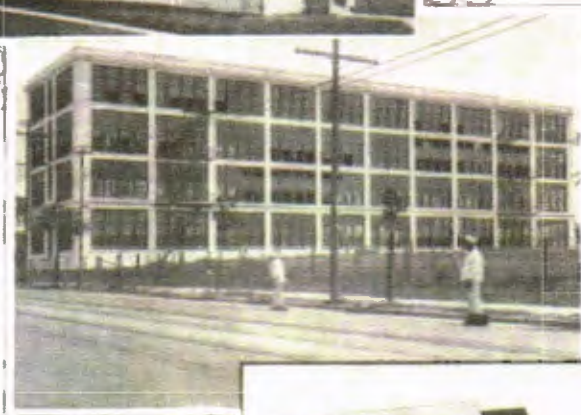
Both Mr. Mueller and Mr. W. J. Behm, cashier of the Winters National Bank and Trust Company, are enthusiastic users of our Class 2000 Posting Machines, and were quick to



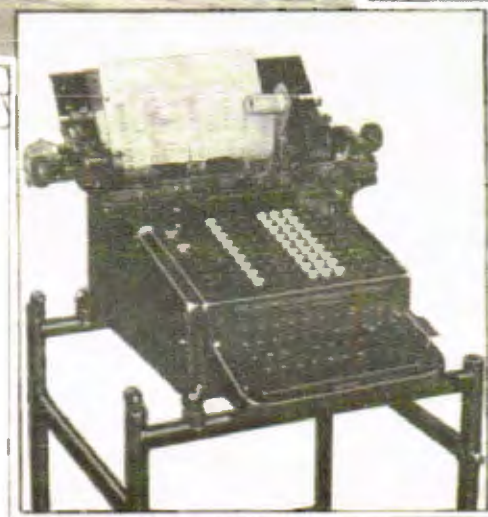
## The Factory At Newark, N. J., Where Our National Adding-Typewriter Is Produced



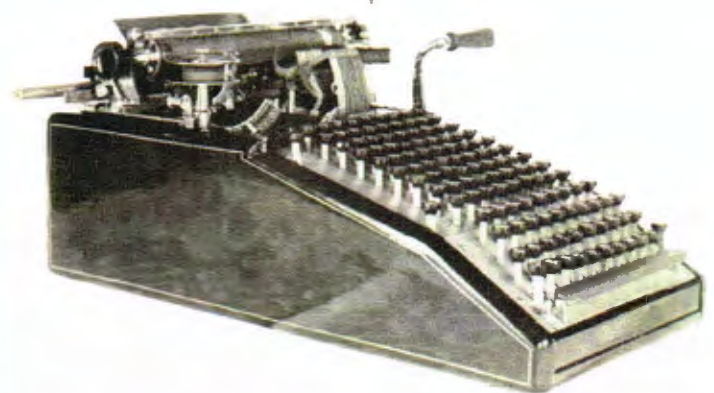
There are 185 employees, and the output is now five per day. Plans for an increased output are progressing rapidly



This machine will open up an entirely new field, and will enable us to give better service to big stores and banking institutions than ever before



see how our new product will tie in with their systems. Said Mr. Mueller: "I have long hoped that your Company would diversify its products, and when I learned that you had acquired the Ellis Adding-Typewriter Company, I was anxious to see the new National Accounting Machine. After a demonstration I am convinced that backed by your great business prestige and resources and your worldwide selling organization, these machines will be widely distributed. Although The National Cash Register Company has had a glorious past, its future is even brighter, and I see now why it is necessary for you to erect the new large building. I predict that more buildings will eventually be needed to take care of the expanding business." Mr. Behm is equally enthusiastic: "The new line of Class 3000 National Accounting Machines meet the requirement of banking and commercial accounting, and have a tremendous field. I was amazed to learn that there are now 8,600 people employed, with a weekly payroll of \$500,000 in Dayton



*The second model around which the Ellis Adding-Typewriter Company was formed.*



**May 1929**

## Where Experienced Men Are Being Trained To Service Our New Class 3000 Ellis Machine



*Men from 35 different sales agencies have been trained here to date.*

By May 1929 men from 35 different sales agencies had been trained in Dayton on the new Class 3000. The factory endeavored to meet this demand by setting aside a large section of the third floor, Repair School, and equipped it thoroughly to take on this new instruction work.

Most of the men studying the Class 3000 were field men, most of whom had years of Cash Register experience, and inasmuch as it was necessary to train men from all sections of the country, the conservation of time and space is of extreme importance. The Repair Department planned to have an average of 35 men in training upon this particular model until the needs of the field are supplied.

There were three instructors who had years of experience in cash register, typewriter and adding machine work. Everything was done to make it possible to service the Ellis machine with the same thoroughness as National Cash Registers are serviced throughout the world, and this meant a steady increase in the volume of Ellis machine sales and more work for the factory at Newark.

**July**

Assembly And Final Inspection Department

The Ellis Adding-Typewriter Company

The capacity of this department has practically been doubled since the Ellis Adding-Typewriter became a part of our organization,



In Britain the company, 'The Ellis Sterling Bookkeeping Machines', had been duly registered on May 7, 1928, and it consisted of two men, whose real activity in the business world was to take some hitherto unknown article, launch it on the market and make as much money as possible in the shortest time possible.

The following day Elsie Bucknor was offered a job demonstrating a new accounting machine, her interviewer stating that he thought it would just be for about three months – she was eventually to retire in 1962 after 34 years.

At her retirement Elsie said that "Knowing nothing about accounting machines, or indeed about business at all, it seemed a little far-fetched to imagine that I would even be able to talk intelligently, let alone demonstrate a monstrous piece of equipment such as the original Class 3000 seemed to me to be in those, now far-off, days."

Elsie continued her story by describing the Ellis company and her experience in the early years.:

"The London company consisted of two men, whose real activity in the business world was to take some hitherto unknown article, launch it on the market and make as much money as possible in the shortest time possible.

And so, when they stumbled on to this machine, they were wise enough to know that this was something for which the business world had been waiting. How they thought they were going to deal with all the attendant implications is a matter for conjecture. However, gaily they went on their way, taking Elsie with them.

Even though by now one or two more employees had been engaged, one of whom was Mechanic (as it was then) Charlie West, we were still housed in one room at the top of an oldish building in Throgmorton Avenue. Demonstrations to such important people as the Bank of England took place at one end of the room, while Charlie was taking instruction, at the other end, from a mechanic from Paris—one Louis by name—a most excitable Frenchman who could not speak English and, as Charlie did not speak French, you can imagine that the atmosphere was not exactly conducive to a successful or impressive presentation of the machine.

By the time rumours began to be strong about the 'take-over' by NCR, we, the Ellis Company, had already obtained orders from such well-known names as Lloyds Bank, Martins Bank, G.P.O., Gamages and a few others. Make no mistake, these orders were obtained under great difficulties, remembering that machine accounting was very much in its infancy then. Service was a very important thing and a small, new organisation such as the Ellis was suspect where service was concerned.

However, an order for 50 machines from Martins Bank was placed after a three month's test at their Kingsway Branch. I was chosen to do this test, not because I had any special ability or knowledge, but simply because I was always considered to be 'the woman with stamina.' This order, of course, helped with further orders and the next one of any note was from Lloyds Bank—50 machines to be installed at branches to be scheduled in due course.



The first installation was at the Rosslyn Hill, Hampstead, branch and it was arranged for June 30, 1929, at the half-yearly balance. It was a nightmare! Not only did we not know what we were doing, I think it is fair to say that Lloyds didn't either. And it was from those early beginnings that our long friendship with Lloyds Bank was established.

When it became definite that we were being taken over by NCR there were many serious meetings and discussions as to whether we should go over to 'the enemy' or not. We had quite a large staff by this time and had moved into much more spacious premises in Alderman's Walk, Bishopsgate, and we were feeling much more confident and more like a stable group of business people.

What eventually happened was this. About half the Ellis staff formed another machine company called 'The Mercedes Sterling Book-keeping Machines' and the others came to NCR.

It was quite another story now. From being a tight little band of people all knowing one another, we were precipitated into this large, rushing business of NCR with hordes (or so it seemed then) of people rushing upstairs and down and round corners, all clutching little bits of paper, and looking terribly erudite and important. Still we settled down and the newly formed Accounting Machine Division, under Mr. D. A. F. Donald, gradually became organised and productive.

And so the years went on. We were gradually establishing ourselves, and very definitely the 3000 began to oust competitive machines. We opened up new fields, got new ideas, our AMD personnel grew and, of course, all this time the building in Tottenham Court Road was becoming smaller and smaller."

Then came the exciting news that we were to put up a grand new building in Marylebone Road, where everybody would have more than enough room to work in comfort. As is usual with new buildings we moved in before it was really ready, in September 1936. There were holes in the rough concrete floors and people were working under very uncomfortable conditions. Of course, it was not possible to ask P.P.s to come for demonstrations into such a mess and so a showroom was set up in the building next door, now the headquarters of the L.T.E. but then the Great Central Hotel. I was there for seven months and although in some ways it was inconvenient, it was at least comfortable and I became—at least the showroom did—very popular, especially at about 10.30 in the morning and 3.30 in the afternoon."

In his autobiography, 'My half century with NCR' Stanley C. Allyn, CEO and Chairman of NCR tells how the acquisition of the Ellis Adding Typewriter company nearly didn't happen!

"What we needed was something like the, a carriage-type accounting machine that could describe any entry. With the consent of the U.S. District Court, Frederick Patterson, Barringer, and I began to negotiate with Ellis for the acquisition of the corporation.

These conversations were considerably hampered by two chaps of rollicking thirst—one a high officer of Ellis, the other

from our own Product Development Department. Whenever that pair met, an alcoholic affinity met with them, and we had great difficulty keeping the talks on a sober plane. On one occasion, despite all our policing, these two happy warriors proceeded to get loaded from some source hidden from us. Finally we located a cache of whisky in a pile of dirty laundry. Many useless days of arbitration and haggling passed before we came to terms.

The Ellis Adding Typewriter combined the adding-machine principle with that of the typewriter, thus permitting detailed descriptive bookkeeping. After major re-engineering, NCR produced the Class 3000, which would perform virtually any known accounting duty. The Class 3000 was a huge step forward, particularly in the preparation of payrolls and stock records, in billings for utilities and insurance companies, and in cost accounting operations. But the start-up costs were huge.



Production of the Class 3000 continued in Dundee into the early 1960s when production of adding machines and the class 31 and 33 replaced it. The Class 300 continued to be used in many business until Decimalisation in 1971.

### Postscript

*I was never trained on the 3000 as the courses had ended before I joined the company in 1965. In my time at the Burnley office I did, however, get called upon to do the occasional repair and still have one machine in my collection.*

*I particularly remember one occasion when I was sent to a brewery at Blackburn, not only to help a long serving engineer but also to find out what he had been doing for three days.*

*When I arrived at the brewery I was shown into an office where the engineer had three machines in pieces on the floor of the room. When I told him I had been sent to find out if he was alright he said that he had dismantled the faulty machine on the first day and then couldn't find out how to put it back together. On the second day he dismantled the second machine but didn't get the answer he was looking for so on the third day he dismantled the last machine to see if that helped!*

*I made the wise decision that the engineer was beyond any help that I could give him and called in the centre manager who at that time was Jim Eccles later manager of Manchester.*

**Ian Ormerod**



# Growth of British Business Necessitates a New Building



Old Tottenham Court Road Premises.

**No Longer To Be Crowded Like Sardines**

By E. F. JONES

Overseas Comptroller

Conversation overheard between two members of the London office:

A. "We have not had many changes here in the last two years."

B. "No. Sardines in a tin can't move around much."

Anyone who has visited the London Company's premises recently will realize the justice of this reply. The following will give some idea of the events which led to this condition. Our offices and showrooms have been in Tottenham Court Road for thirty years. The British N. C. R. Company moved into a part of the present building in 1904. We had 7,000 square feet of floor space at that time and today we have about 32,000 square feet.

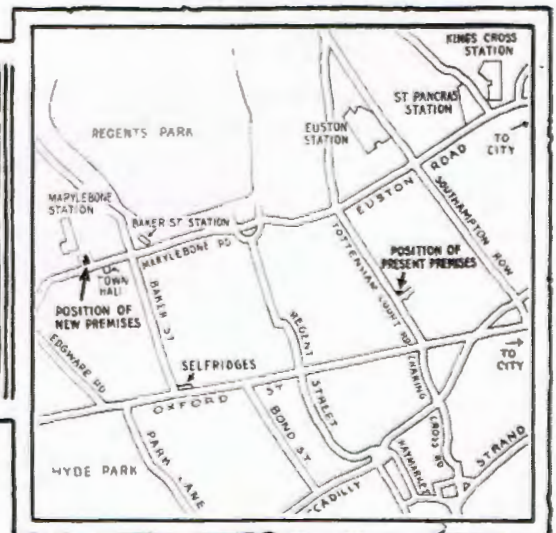
At the beginning of 1929 we had 456 employees; an agents' convention room, employees' dining room, garage and storage and workshop space. This was the year the Ellis business was taken over and the entire first floor was turned over to the Accounting Machine Division. To provide room for the office staff who formerly occupied this floor, the employees' dining hall had to be changed into offices. Space was also provided for the accounting machine workshops, storage for machines and bins for spare parts.



Site of new building on Marylebone Road.



New building.—Architect's drawing.



Map showing relative locations of old and new premises.



## JAY'S RESTAURANT, DAYTON

I was browsing through some old papers the other day when I came across an old menu from Jay's restaurant in Dayton

It was frequented by NCR personnel, (I once saw Gil Williamson in there before he became CEO), it was an appropriate place to take customers due to the bit of NCR history that was intertwined with its own history.

The beautifully carved bar had been commissioned by James Ritty when he was the owner back in the 1880's. Indeed his initials were carved in the (I think) top centre of the work.

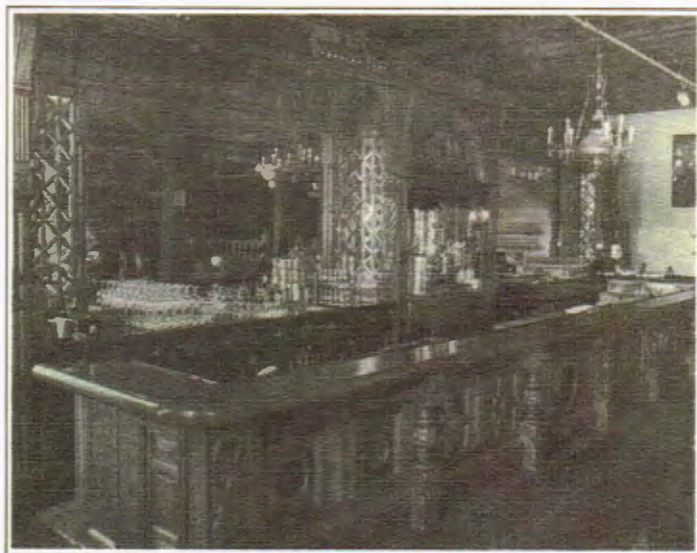
I have scanned the front and back of the menu, not a great reproduction I'm afraid, but it does give a little history and includes a photograph of Ritty himself, without whom, probably none of us would have met.

It may be of interest to fellow "old timers", if you would care to include it in a future edition and if necessary, I could send you the original.

**Brian Biggs**

# JAY'S

225 East Sixth Street • Dayton, Ohio 45402  
(513) 222-2892



**THE PONY HOUSE BAR 1882-1967 WAS LOCATED BETWEEN 4th AND 5th ON THE WEST SIDE OF JEFFERSON STREET DAYTON, OHIO**

In the year 1882, James Jacob Ritty, opened the Pony House Restaurant. He commissioned wood carvers from Barney and Smith Car Works to turn 5400 pounds of Honduras Mahogany into a bar. The fruit of their labors is the bar you now see standing in Jay's.

The building on South Jefferson Street that became Mr. Ritty's Pony House Restaurant was previously a school of French and English for young ladies. You can see the large picture of the school on the southeast wall of Jay's.

Dining, drinking, and gaming were the traditional fare of the Pony House; however, legend has it that an even wider choice of vices were available. The establishment had its share of well known visitors ... Buffalo Bill Cody is said to have ridden his horse right up to the bar. The notorious John Dillinger (who never robbed a saloon) was one of the regular customers. Prize-fighters, such as Sullivan, Jeffries, Corbett and Jack Dempsey seemed to find the Pony House a favorite place to imbibe.

History tells us that Jake Ritty was the inventor of the first cash register, and that ultimately his rights were sold to John Patterson ... thus leading to the establishment of the National Cash Register Company.

The saga of the Pony House continues, when in 1967, Mr. Ritty's bar was about to fall prey to the wrecking ball. Mr. William H. Eicher of United Moving & Storage, Inc. of Dayton preserved its heritage by photographing, removing and storing the famous bar, enabling it to be completely reassembled and again take its place as the important piece of Dayton history that it always will be.

The light fixtures here at Jay's are antiques, although the origin is unknown. The railing comes from the Old Xenia Hotel and the back of our oyster bar is from College Corner, Ohio. The plaque you saw in the lobby is from the original gates of the Montgomery County Fair Grounds dated 1901.



**JAMES RITTY**

James Ritty called himself "Dealer in Pure Whiskies, Fine wines, and Cigars. He opened his first saloon in 1871, the Pony House in 1882, and retired from the bar business in 1895. In those years, beer was a nickel a stein and 15¢ a bucket. A free lunch was open to all, consisting of boiled eggs, sardines, blind robins, cold meats, pigs' feet, pickles, pretzels, and crackers and bread.



**WHEN BEER CAME BACK IN 1933**



**THE PONY HOUSE OF 1952**

Jay's is, in effect, a continuation of Ritty's Pony House. The bar saw service from 1882 until 1967, even through the Prohibition years. In those dry years, Ritty's Pony House Saloon became the Pony House Stag Hotel, and the Pony House Restaurant and Cafe. Being near the Railroad Depot, the astute Ritty provided a Sample Room, and the Pony House became a favorite stopping place for salesmen who covered their territories by train. The story of how the Pony House bar came to Jay's is on the front of this menu.



## LORD MAYOR'S SHOW London November 12th 2016

Did you see this on BBC TV? It started off with the two Giants Gog and Magog made of willow.

The reason I am writing this article is that, I thought a lot of people would have no idea of why they are in The Lord Mayor's Show.

Gog and Magog are two mythical giants who are Guardians of The City of London going back many hundreds of years. The giants they used pre world War II were damaged in the London blitz, so after the war they had tow carnival type giants. Until 2006 when Olivia Elton Barratt (of the Barratt sweet makers manufacturing family) who that year became the first woman to be elected Prime Warden of the Worshipful Company of Basketmakers, since it was formed 400 years ago. The Basketmakers are number 52 in the pecking order of the 112 City Livery Companies. Many of the higher numbers now are modern trades, ie Environmental Cleaners are number 97 and The Information Technologists are number 100.

Going back to the giants Olivia decided it was about time we had two proper giants, as in the old days made of willow. It too over nine months to make these figures with over 40 people taking part. The figures were built in 3 sections, legs and boots, main body and head, It had to come apart for transport and storage, also the barn in which they were made in was not high enough to erect the two giants.

The reason I know this is because I am a member of the Basketmakers and have been since 1996. I also filmed the giants being made.

You may ask why a humble Cash Register Field Technician joined the Basketmakers? Having always been interested in history, especially about the City of London I wanted to join a Livery Company and as there is no Worshipful Company of CASH REGISTERS! I discovered that The Basketmakers Company will accept people from other trades.

They gladly accepted me because of my filming skills. I have been with them on four different tours, Poland, Germany, France and Switzerland. Before corrugated paper was invented in 1911 everything was shipped in a basket. **Even Moses was a Basket case!**

**David Evans** ex Brent Service Depot

*(David has provided an extremely interesting video depicting the construction of the giants. If you would like to borrow a copy please give me a ring or drop me an email – Ed)*



Stills from the



## A TOPICAL LAST LAUGH !!

While walking down the street one day a Member of Parliament is tragically hit by a bus and dies.

His soul arrives in heaven and is met by St. Peter at the entrance.

Welcome to Heaven,' says St. Peter.

'Before you settle in, it seems there is a problem. We seldom see a high official around these parts, you see, so we're not sure what to do with you.'

'No problem, just let me in,' says the man.

'Well, I'd like to, but I have orders from higher up. What we'll do is have you spend one day in hell and one in heaven.

Then you can choose where to spend eternity.'

'Really, I've made up my mind. I want to be in Heaven,' says the MP.

'I'm sorry, but we have our rules.'

And with that, St. Peter escorts him to the elevator and he went down, down, down to hell. The doors open and he found himself in the middle of a green golf course. In the distance is a clubhouse and standing in front of it are all his friends and other politicians who had worked with him.

Everyone is very happy and dressed in evening dress. They run to greet him, shake his hand, and reminisce about the good times they had while getting rich at the expense of the people.

They played a friendly game of golf and then dined on lobster, caviare and champagne.

Also present is the devil, who really is a very friendly & nice chap who has a good time dancing and telling jokes. They are having such a good time that before he realizes it, it's time to go.

Everyone gives him a hearty farewell and wave whilst the elevator rises....

The elevator rises and the door opens in heaven where St. Peter is waiting for him.

'Now it's time to visit Heaven.'

So, 24 hours pass with the MP joining a group of contented souls moving from cloud to cloud, playing the harp and singing. They have a good time and, before he realizes it, the 24 hours have gone by and St. Peter returns.

'Well, then, you've spent a day in hell and another in Heaven. Now choose your eternity.'

The MP reflects for a minute, then he answers: 'Well, I would never have said it before, I mean heaven has been delightful, but I think I would be better off in hell.'

So St. Peter escorts him to the elevator and he goes down, down and so on down to hell.

When the doors open he's in the middle of a barren land covered with waste and garbage.

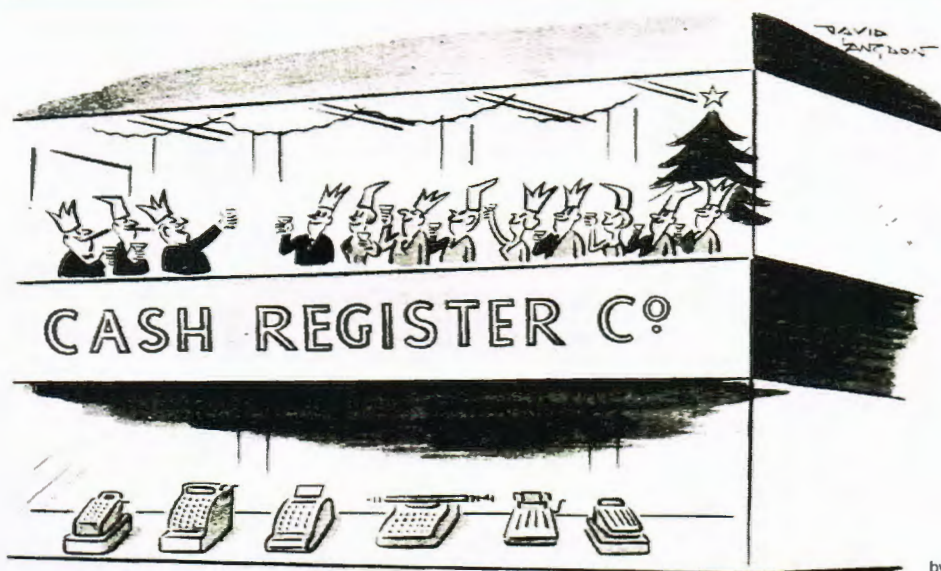
He sees all his friends, dressed in rags, picking up the trash and putting it in black bags as more trash falls from above.

The devil comes over to him and puts his arm around his shoulder. 'I don't understand,' stammers the MP.

'Yesterday I was here and there was a golf course and clubhouse, and we ate lobster and caviare, drank champagne, danced and had a great time. Now there's just a wasteland full of garbage and my friends look miserable. What happened?'

The devil looks at him, smiles and says, "Yesterday we were campaigning...

... Today you voted."



*"...and another very special toast to Mr Callaghan and his decision to introduce a Decimal Currency!"*

by courtesy of Punch



# The NCR Fellowship

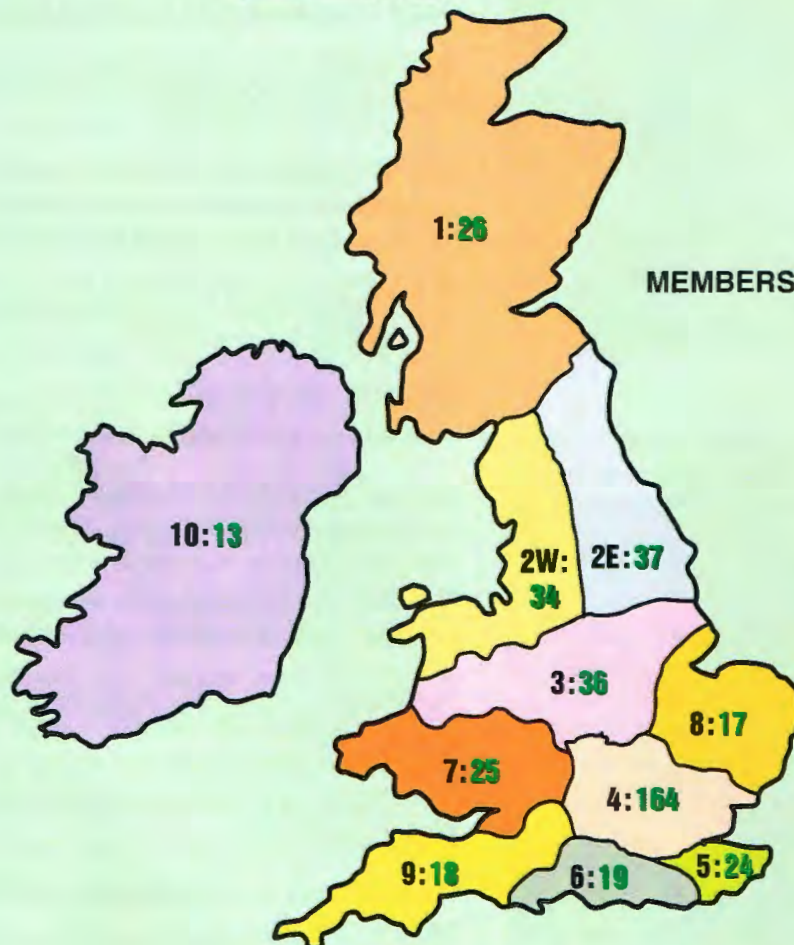
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