



The Criterion

In April 1976 at press conferences in Dayton, Atlanta and the Hanover Trade Fair in Germany the new Criterion Series of computers, described as one of the most important product announcements in the Company's history, was unveiled by NCR.

The initial models of the series, called the Criterion 8550 and Criterion 8570, were developed to meet the information-processing requirements of medium to large-sized computer users in the late 1970's and early 1980 's, according to William S. Anderson, NCR Chairman and President.

"This market, characterized by increasing use of telecommunications, data base management systems and distributed processing, will demand highly versatile systems to accommodate change," Mr. Anderson said. "Extensive use flexible firmware, which gives the Criterion its multiple-virtual machine capabilities, also provides the ability to respond to that change."

The computers can become COBOL virtual machines, dynamic multiprogramming systems or NCR Century systems simply by changing the firmware.

Meet the new NCR generation... the Criterion.

The new NCR Criterion is the first of a series which sets a standard for productivity in the information processing industry. It's a complete computer system. A virtual machine, the Criterion changes characteristics to fit its job. It can become a COBOL 74 virtual system. A dynamic multiprogramming system. Or an NCR Century. Simply by changing the firmware. This means broader usability for you. Through this new system, NCR continues to offer you the highest degree of compatibility, not only from model to model, but from generation to generation.

And the Criterion is extraordinarily fast: Up to 56 nanoseconds processor cycle time. It provides the power of a large-scale system in a remarkably small package to reduce your environmental requirements. It offers virtual storage. Modular growth without processor replacement. Online program development. Expandable memory—128K to one megabyte—and extensive peripheral mixes to meet your needs. More reasons why we say the Criterion sets a standard for productivity.

To discover what the new NCR Criterion models 8550 and 8570 can do for you, call your local NCR office. Or write to EDP Systems, NCR Corporation, Box 606, Dayton, Ohio 45401.



The Criterion models introduced span the performance range of the NCR Century 200, 201, 251 and go beyond the Century 300. They offer about 35 percent more processing power at less cost than competing systems.

In the June/July NCR World magazine had this story on how it all began.

The new Criterion Series is the newest link in the story of NCR computer systems which stretches back to 1950. In 1950 five engineers founded Computer Research Corporation, in Hawthorne, California, a suburb of Los Angeles. Computer Research devoted itself exclusively to the design, development and manufacturing of digital computing equipment. Donald E. Eckdahl, who now is NCR's Vice President, Manufacturing Operations, was one of the founders.

Computer Research's first product was an airborne digital differential analyzer for North American Aviation. In 1953, NCR acquired Computer Research and it became the Company's Electronics Division, which was the nucleus for today's Computer and Communications Systems operations. Efforts of this new division were combined with those of engineers in Dayton in this new NCR venture into EDP.

In 1959, NCR began deliveries of the NCR 304 computer system, the first solid-state business computer offered on the commercial market. Until then, vacuum tubes were the industry-wide standard. Today, there still are some 304s in use.

Shipments of NCR 315 computers began in 1962 and hundreds of these were delivered to customers around the world. The NCR 315 RMC was introduced in 1964, and it was the first business computer with an all-thin -film memory.

In 1968 the first two models of the NCR Century Series of computers were introduced, and that same year marked the beginning of operations at the Data Processing Division - San Diego.

Last year, NCR's revenues from the sale and rental of computer equipment rose 20 percent to a new high of \$462 million. When other computer-related revenues are included, such as revenues from the Company's worldwide data center network, field engineering services, software packages, minicomputers, terminals which are part of computer installations, and computer forms and other EDP supplies, the Company's computer systems business totals almost \$1 billion annually.

With an installed base of over 5,000 Century computers and more than 17,000 smaller NCR computers in daily use, NCR accounts for 7 percent of the general-purpose computer systems now in operation around the world.

To that base, the Criterion adds the best of current, proven, state-of-the-art technology.

An important part of NCR's general-purpose computer development is the Company's investment in semiconductor technology. NCR's Microelectronics Division, established in 1970, is a recognized leader in several areas of semiconductor technology, including Electrically Alterable Read Only Memories (EAROM). It is also a highly efficient producer of microelectronic devices, with an average process yield of more than double the industry norm. The Microelectronics Division will be one of the prime suppliers of internal electronics components of the Criterion.

NCR also has made increasing investments in research and development. The Company's R&D budget has nearly doubled since 1973. For 1976 it exceeds \$100 million.

Another element of NCR's commitment to general-purpose computer systems is its worldwide Field Engineering organization which installs and services NCR equipment. This group now numbers more than 18,000, or one in every four employees. The Field Engineering organization operates out of more than 1,000 offices in over 100 countries.



Editorial



This is my third attempt at producing PostScript which I hope you will enjoy reading, or, using as a fan in a hopefully warm summer!

There is the usual crop of regional reports (never so many in the summer as the annual lunches tend to take place in the autumn/winter).

In this edition we have three obituaries. As reported in January we have one for Peter Whitehead, the ex-company doctor (when NCR actually had a company doctor) and also for Noel Shaw a much-loved project manager who worked in Sheldon for the latter part of his NCR career prior to retirement. I have also included the article that Noel wrote for PostScript and which we published in the Summer 2018 edition. The third obituary is for Geoff Beaumont who was an engineer for 39 years based in Yorkshire and who died in January this year.

I was delighted to receive an article entitled 'Memories of Sheldon' from my first Divisional Director, David Collins, when I joined the Education Division in 1980. I'm sure many of you will remember the names of the people in his article. They were largely happy times in Sheldon in the eighties.

Much has been written in these pages over the years about NCR's legacy in the accounting machine and cash register era. Both Ian Ormerod and I realise that we are now attracting 'younger' pensioners from the computer era (1970's and 1980's) so Ian has found some information about the Criterion (8400 and 8500) series which will ring some bells with many of you.

Finally, please write to me if you have any material you think would interest other Fellowship members and I will do my best to include it in future editions.

Graham Brookman

SUMMER MESSAGE FROM THE CHAIRMAN

We had 10 new members during 2018 and I welcome them to the Fellowship.

We held our regular annual meeting in March at the NCR facility in Merchant Square at which we discussed the financial results for 2018 and items which would affect 2019. I am happy to report that once again out income was slightly more than our costs and as a result there will be no requirement to increase the annual membership fee.

In February I was surprised and grateful to receive, on behalf of the Fellowship, a bequest of £1000 from the estate of the late David Graham who was a member of region 1. David apparently regularly attended the regional lunches in Scotland and was obviously keen for the Fellowship to keep going.

I sent a letter of thanks, via his solicitor, to his family and we

have included a tribute to David, courtesy of Jack Whyte, elsewhere in this edition.

Many of you will be aware that Ian Ormerod has produced an electronic version of all the editions of PostScript which has a very useful search facility. At our meeting we discussed the possibility of making this available via our web site and Ian is investigating this option for us. More news of this will be included in our next edition.

Ian also asked that if anyone has any copies of the NCR Post magazine from 1947 onwards please could they let him know as he would like to set up electronic versions of this as well.

I hope this summer is as good as last year and I look forward to seeing some of you again at the next round of lunches.

Lin

AROUND THE REGIONS

Region 1 – Jack Whyte

The Scotland group had a very enjoyable and convivial afternoon on 23rd May, firstly at the Italian Kitchen in Glasgow for an expansive and rather expensive lunch and later, for the stalwarts, at the Committee Rooms for a post prandial swallow. There were still quite a number doing their utmost to finish off the kitty at getting on for 6pm.

We welcomed a couple of new, though well-kent faces – **Brian Behr** and **Jim Harrower** – both of whom seemed to fit in well with a rather varied group. The faithful old-timers continue to show up – **Jimmy Marshall** was possibly the father of the group, closely followed by **Brian Strathdee**, **Scott Caldow**, **Ginger Gray** and **John McElroy**. **Roger Green** was there, sporting his Scottish tan along with **Neil Bathie** whose healthy pallor is possibly down to the golf course; in contrast to **George Brown**, looking tanned and fit but insisting his was from Prestwick – and the band played **Wallace Hay** came along, well recovered from his recent eye operation but looking a bit surprised, perhaps by what he was now able to see !

My thanks to all who came along, especially the guys who travelled a distance from Edinburgh (**Brian Strathdee**,

Ginger, **George Benson**), from Aberdeen (**John McElroy** and **John MacNichol**) and from Forfar/Dundee/Pitlochry (**Bill Hudson**, **Fred Wieworka** and **Jim Harrower**).

As usual, my thanks must also go to **John Mackay** and to **George Benson** for the photographs and to the others who helped to organise the day. The lunch was excellent, the waiting staff were very attentive and very alive to their “upselling” duties which probably contributed to the cost!



Scott Caldow, Bill Hudson & Neil Bathie.



Brian Behr, Ron Gammie & Jim Marshall.



Jim Harrower & Fred Wieworka.



John Mackay & John (Ginger) Gray.



Roger Green, George Brown and Wallace Hay.

Region 1 continued



Wallace Hay & Brian Strathdee.

Region 2E – Pat Keogh

Our first lunch of 2019 was held on **Wednesday the 15th May** at our usual venue, Otley Golf Club.

22 attendees enjoyed a three course lunch and are named on the photos accompanying this report. The menu choices were Soup or Prawn Cocktail, Roast Beef or Salmon, Apple Crumble or Crème Brulee followed by Tea or Coffee. We enjoyed another sunny day with some beautiful views across the golf course.

Ian Ormerod again wins the travel award having made the long journey from the deep south to attend our lunch. Ian was accompanied by his wife **Sheila** as they were visiting friends in the Northwest. I took the opportunity of Ian's visit to call a meeting in the West the following day in a new attempt to resurrect the fellowship lunches there. Ian and I hope to have a successful discussion on what they wish to do following the recent aborted attempts to hold a lunch. I will report the results of our meeting in the Northwest Report in this issue of postscript.

I also received responses from a further 23 people.

Don and Judy Ward, Philip Wilkinson, Roger Fernside, Steve Gates, Dave Dawson, Mervyn Clapham, Andrew Hill, Peter Carruthers, Jean Pugh, Dave Collins, Margaret Ellis, John Evanson, Richard Slater, Bob Appleby, Harrold Hunter, Walter Scarth, Mike Wood, June Rudge-Priestly, Brian Penny and Peter Ramsden couldn't attend for the usual reasons of holidays, illness, hospital appointments, attending funerals and other pre-booked commitments but hoped to see us in October.

Sandy McMillan and **Susan Algar** (plus team) have difficulty with Wednesdays and should benefit from the October lunches moving to a Tuesday. **John Gilroy** has now completed his move back to his origins in Newcastle and will be attending the get togethers they have there. He has

said however that he will attempt to attend the odd lunch in Leeds in the future. I shall keep him on our distribution list.

I received a very nice letter from **Pauleen Beaumont**, **Geoff's wife**, thanking us for the many attendances at Geoff's funeral by the NCR and fellowship lunch friends. Geoff and Pauleen were members of the fellowship and regular attendees at our lunches. I will be including a separate report on Geoff's life and work history in this issue.

Roger Hall still holds get togethers of the **North East Sub-Group**, the **Northeast NCR Wrinklies Coffee Club** at the **One Twenty Cafe, Heaton Rd, Newcastle** held every second Tuesday in the month at 11:30 for lunch where everyone orders their own food. As mentioned above he now has an additional attendee in **John Gilroy**, recently relocated to the area.

Future Dates

All our October lunches will be on the **3rd Tuesday** of the month.

Tuesday 15th October 2019

All our May lunches will be on the **3rd Wednesday** of the month.

Wednesday 20th May 2020



Baz Pickard & Mike Green



Alan & Sandy Dixon



Region 2W

Report by - Pat Keogh

As I spent the first sixteen years of my NCR career in Liverpool, I have an affinity with the area and was saddened to see that the Fellowship Lunches had once again ceased to occur.

In December 2017, as no lunches had occurred since 2014, I organised a lunch at Birchwood Golf Club on the 7th December to try to get the Northwest lunches off the ground again. The golf club is at the junction of the M6 and the M62, midway between Liverpool and Manchester, an ideal location. The limited contacts I did have were asked to pass the details on to all they knew.

The lunch was very successful with an attendance of over twenty and supportive messages from many more. Everyone who attended agreed that the location was perfect for Liverpool and Manchester and the ability to order and pay for their own food was excellent.

Graham Brookman had volunteered to take over the future running of the 2W lunches and distributed contact detail forms for everyone to fill in. Graham took these forms away with him to formulate an up to date contact list for future lunches.

In discussions with Graham he told me that it was his understanding from the Fellowship that lunches could only be attended by paid up members of the fellowship. I do recall this ruling but thought it had been dropped when NCR dropped its funding. Graham attempted to organise the next lunch on this basis but only got six responses and did not proceed with the lunch.

In discussions with Graham I agreed to take over the Northwest lunches again as I also thought that he had his hands full with taking over as editor of Post Script. On his agreement I asked him to forward me the new distribution list. I didn't receive the list and had to abort the October 2018 lunch plans. I wasn't prepared at that time to start again after the work I put in to organise the December 2017 lunch. A second request for the list was unsuccessful and I passed the problem over to **Ian Ormerod** to raise at the annual organisers meeting in London. Ian used to help organise the northwest lunches. I received the list on the morning of the London meeting.

In May, Ian informed me that he was attending my lunch in Leeds as he and Sheila were visiting friends in the northwest. At only a week's notice I invited people to attend Birchwood Golf Club again to discuss the future of the 2W lunches.

The private room we wanted to use at the golf club normally cost £100 but they offered it to us for £50. I informed them that we had no backing or funds and asked if they would agree to the same terms as Otley Golf Club who charge us £1 per head. They agreed to this and future lunches will be run on this basis.

At such short notice there were only eleven of us attending but I received supportive emails from many more.

The attendees are named on the attached photos.

The following was agreed.

The future lunches will be held at Birchwood Golf Club and attendees will pay £1 per head on arrival.

The lunches will be open to all, including family and friends.

The attendees will order and pay for their own food requirements.

We will hold two lunches per year in May and October.

Everyone will confirm their attendance so that the club can cater for the numbers.

The organisation required to run this style of lunch is very limited. The requirements are a phone call to the club to book the date and an email to the distribution list to invite attendees.

I would hope that someone from the group will take this on but it is not a problem for me to continue as organiser.

I will shortly send out invitations for the October Lunch.



Cheryl Gradwell with Linda & John Ghedotal



Ian Ormerod & Pat Keogh



Walter & Jean Bullen and Nick Fredrickson

Region 2W continued



Mike Heselip & Dave Cooper

Region 3 – Keith Templeman

There was quite a gathering at the George hotel in Lichfield today, we managed to amass 36 members and wives for what turned out to be a very successful lunch. Those attending were:

Ian and Sheila Ormerod and two friends Gill and Bruce, Duncan and Dorothy McCondochie, Clarence Allbutt, Harry and Nita Ridge, Keith and Dene Templeman, Jim and Angela McHugh, Kevin and Marion Rixson, Iain Simpson, Joe and Jenny Teeling, John Latty and Val, Peter and Vicky Heywood, Jill MacPhail and Fiona, John and Lillian Williams, Phil Rock, Yatish Ranch, Dave and Jacky Beattie, Joy Wright, Les Clarke, Walter and Jean Bullen, Bipin Patel and Dave Cooksey.

Apologies were received from:

Keith Hemming not being tempted enough to travel from Anglesey, Brian Briggs who was golfing in Wentworth, both asking to be remembered to all. Valery Glynn was on holiday, Ian Davidson attending a bee keepers lunch, would that be a swarm? Margaret Ellis will be attending the Region 2E group lunch so we hope to see her in October. Graham Brookman was working, Marilyn Almond originally intended to come, but when she returned from holiday realized she was double booked so will attend in October. Stephen Swinbank still doesn't feel confident to travel, but also sends best wishes to all. Finally Joy Maskall called to say she was unwell and didn't wish to spread germs so stayed away.

We were pleased to welcome two new members today. Bipin Patel and David Cooksey. Bipin having recently decided to retire and David still working, but recovering from a stroke. Providing we didn't scare them off I hope we will be seeing them again at the next lunch.

A diary date announced this to be Thursday 3rd of October.

Friendly conversations and banter continued for a while both before and after lunch, some then had a walk round Lichfield on this sunny spring day and some stayed overnight to enjoy the surroundings too.



Jean and Walter Bullen



John Latty and Val



Dene Templeman and Phil Rock



Lilian and John Williams

Region 3 continued



Marion and Kevin Rixson



Jacky Beattie and Jenny Teeling



Joy Wright and Bipin Patel



Joe Teeling and Dave Beattie



Yatish Ranch and Les Clarke



Angela McHugh, Joe Teeling and Jim McHugh



Jill MacPhail and Fiona



Dorothy McChondochie and Sheila Ormerod

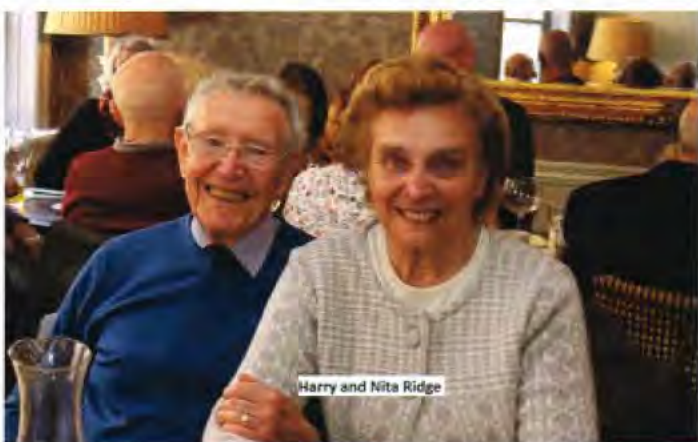
Region 3 continued



Peter and Vicky Heywood



David Cooksey



Harry and Nita Ridge



Duncan McChondochie

Region 7 – John Jones

We have managed to have two lunch time "get togethers" both at the Redwood Farm Inn Cribbs Causway Bristol.

Both were fairly well attended despite some initial problems with weather and directions.

Only problem with this venue is that they won't accept the deposit over the phone so **Dave Jones** who lives nearest has to pop in and then remember to claim it back on the day, which is the tricky bit.

We have had one funeral and lost one member this year, **Bill Park** passed away early in the year and will be sadly missed at the get together table.

I'd like to extend the thanks of Bill's family and the members of Region Seven to our new Editor, Graham for the obituary he published in Postscript. Bill's family were delighted.

We have gained one member and we continue to receive enquiries about our lunches from members of other regions which we are very happy to receive.

I'm sorry not to be able to attend the annual meeting again this year but I'm not really up to travelling. I keep trying to find a deputy or even a replacement but most of Region 7 members seem to be in the same position as myself. So I will continue to organise lunch get-togethers for as long as I can.

We will be having two more get-togethers one in June and another in November.

I suspect at the same venue.

Region 8 – Richard Craigie

We had a good Region 8 lunch at the Lazy Otter on Thursday 25th April, but were just Thirteen this time due to health problems.

I passed on the best wishes from our missing friends and gave a short chat as to how they all are and everyone sends their love and hope they will be back with us for our Autumn Lunch in October.

At lunch were **Richard & Linda Chamberlen, Frank & Gladys Bellamy, Colin Franklin, Chris Stocker, Dennis Pearce, John O'Connor, Tom & Avril Herbert, Tom Atkins** and finally **Gloria & I**.

Our Autumn Lunch is booked for Thursday 17th October at the Lazy Otter.



Frank & Gladys Bellamy

Region 8 continued



Region 9 – Jessie Wallace

On December 3rd, 2018 we had our annual get together for Lunch.

This year we met at the Cranberry Farm Inn on the edge of Cranbrook, a new village near Exeter.

This venue is much more accessible from all points North, South, East and West of our region!!

An excellent lunch was enjoyed by all, the extensive menu providing for all tastes and budgets!

We were 13 in all, 8 regular attendees and 5 new colleagues,

Region 9 continued

who thanks to **Adrian Gallagher** joined us. Adrian and his fellow colleagues are fairly recently retired or about to join the world of retirement.

The regular attendees were; **Geoff Jackson** and his friend **Pam**, **Tony** and **Sue Fiore**, **Derek** and **Pam Knibb**, plus myself and husband **Martin**. Our new guests were; **Adrian Gallagher**, **Cris Mackie**, **Geoff Cooper**, **Graham Storer**, and **Martin Phipps**. I was really pleased to welcome our new guests and hope they will be able to join us again for future Lunches.

We had some members, who for various reasons are unable to come along. Those included **Mrs Betty Shadbolt**, **John Stevenson** and his wife, and **Mrs Cherry Crump**.

Our Lunch this year will be on **Monday, 2nd December**, at the same venue. I hope all members and friends are able to join us.

Best wishes to all.



From left looking down picture: Tony Fiore, Pam Hollands, Cris Mackie, , Geoff Cooper, Derek Knibb, Martin Prosser, Jessie Wallace



from right looking at the pic: Sue Fiore, Pam Knibb, Geoff Jackson, Adrian Gallagher, Graham Storer, Martyn Phipps, Jessie Wallace.

**NCR Fellowship
January 2018 – December 2018**

Membership summary:

2018 start members	397
2018 new members	10
Total membership 2018	407
Deceased members	14
Non renewals	11
Starting membership 2019	382

Membership by region

Region 1	23
2E	34
2W	31
3	34
4	146
5	21
6	17
7	24
8	16
9	14
10	13
11 (overseas)	8
Total	382

Financial Summary:

Income	
Total b/f	6335.67
Membership fees	3810.00
New members	60.00
Donation	26.00
Early payments 18	00.00
Total	10231.67
Outgoings	
Expenses	738.64
Postscript	2952.38
Total	3691.02
Balance c/f	6540.65

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

OBITUARIES

Peter Whitehead

Born 24/12/32



Peter was proud to be born a 'Man of Kent' but, in the War, his family moved temporarily to Bedford where his father, who had once been in the Merchant Navy, then managed an aircraft parts factory. After the war, the family returned to Kent and Peter attended the Joseph Williams Mathematical School in Rochester where he gained a State Scholarship in Chemistry at A level.

At home, his father set up a building business and Peter learnt a great deal about this from him. When older, Peter earned holiday money in a local iron foundry where he suffered one bad burn. Possibly these factors were early triggers for his later interest in Occupational Medicine. He was always very interested in worker conditions and safety.

As a schoolboy, Peter pursued what was to be his lifelong passion for ships. He watched and drew them for hours at the London Docks, which were then teeming with ships, from the old free ferry at Woolwich, or at Gravesend. He made prizewinning models, selling some to shipping companies for their window displays. The money he earned later was very useful when he became an impecunious medical student. In later years at NCR, Peter's highly detailed ship paintings and views of places he had visited for NCR became a feature of the Head Office Medical Department walls.

After school, Peter did his National Service in the RAF but an eyesight problem prevented him from becoming a pilot.

This was perhaps a factor that later made him particularly interested in the risks posed in some situations by poor eyesight in the work place.

In 1954, Peter became a medical student at Guy's Hospital, where he met his future wife, Ann. He rowed enthusiastically for Guy's and was President of the Photographic Society. He enjoyed his first hospital jobs and was particularly excited to be involved in the infancy of cardiac surgery. However, whenever possible, he escaped from Guy's to sail his dingy among the barges on the Medway.

Eventually Peter and Ann decided that careers in hospital medicine were not for them and joined Ann's father's long-established general practice. A few years later, their daughters, Caroline and Sarah, were born and Peter became the devoted father that he always was.

Peter was a well-loved and very hard-working and efficient GP. Years later he was often stopped in the street in widely scattered places by former patients who remembered him with gratitude and often as a friend in troubles. In the mid-1970s, however, he developed an increasing interest in Occupational Medicine. This was fired by working for one day a week at a large local factory, but Peter became increasingly fascinated by the processes of industry and their effects on personnel. Eventually he decided this was where his main interest lay and decided to become a full-time Occupational Health Physician. He thoroughly enjoyed his new role at NCR, which incidentally opened up new horizons. As well as being based at the London office, he visited numerous other NCR work places at home and abroad, making many good friends during this time. He particularly enjoyed visiting the factory at Dundee where work began and finished early. During the long summer evenings, Peter would drive out into the countryside and explore. He fell in love with the Scottish landscape and developed a passion for climbing Munros, the name for mountains over 3,000 ft in Scotland. There are more than 280 of them and Peter's ambition was to climb them all. Sadly he never managed but he did climb 200, a source of great pride.

Work included visiting outlying works and offices in many directions in the British Isles and Jersey and then voyaging further afield places as varied as to Nigeria, Turkey, Egypt, Venice and Dubrovnik. He acquired a huge amount of knowledge about the places and people he visited, their working conditions and problems. In addition, wherever he went, Peter took his sketchbook and camera, and often also his watercolours and brushes with him.

In retirement, Peter was full of fond memories of his days at NCR, of the many interesting people he had met, the good friends he had made and the varying environments he had seen. While his health allowed, he was always busy, gardening and DIYing, walking in Richmond along the Thames and in Richmond Park, and painting, in meticulous detail, his beloved ships, scenes from his travels and local landscapes. He also enjoyed exhibiting his pictures with several societies such as the Medical Art Society, the London Sketch Club, the National Maritime Museum Art Society, and, while his health allowed, was always ready to help hang exhibitions. He deeply regretted that he was not fit enough during the last few years to come to meet old friends at recent NCR reunions.

Noel Shaw (1930 – 2018)



Noel Shaw was born on 10th December 1930 in the village of Banks in the parish of North Meols, Lancashire.

When he joined NCR he worked out of the Liverpool office and commuted from Southport. When he changed to the Manchester office he commuted in from Manchester.

In 1985 he was given the job of Customer & Support Education Manager in Sheldon working for Rosemarie Fanaken and moved the family down to Dorridge in Warwickshire. He subsequently changed roles (still in Sheldon) and became a project manager working for Louis Prastitis and Teresa Maclagan. He retired in 1995 and spent his retirement in Stratford-upon-Avon.

All his life, he was a keen walker, enjoying the countryside of Derbyshire, the Lake District and the Cotswolds. When he worked in Sheldon he used to get the train to Olton from Dorridge where we lived and then walked the rest of the way!

He also enjoyed cycling and only gave up this activity in 2017, at which point he gave his bike to his grandson Harvey.

During his retirement, he combined his love of walking and the countryside with photography. He became a Licentiate of The Royal Photographic Society in September 1999. He was also a member of a Digital Photographic Group.

As well as taking many beautiful photos of the landscape, many of which became his annual Christmas card, he photographed a number of art exhibitions for Stratford Council so they had a record of local events. He was also the official photographer at his daughter's wedding!

Editor's note

I was a Customer & Support Education Supervisor when Noel joined the Education Division in 1985 and I learned a lot from him as I found him a very supportive and fair man to work for. We conducted many interviews for new instructors together and I liked his approach. We soon developed an effective double act (although not quite Morecambe & Wise or Flanagan & Allen!).

In 2018 Noel produced an article about his experiences in NCR. I am reproducing that article now as it seems appropriate.

Meanderings with the 'other' NCR

By Noel Shaw

(reprinted from Summer 2018 edition)

Predictably, most of NCR Post and most of the reunion lunches are concerns of Field Engineering. There was another NCR, an NCR also of very professional people. May I remind you of them, as I met them?

I joined NCR, District 121, Liverpool. District Manager George Daniels. I considered George Daniels to be one of the most competent managers I ever knew. Extremely skilled at selecting and putting together a competent, successful and well trained team. Ted Barclay, Sales Supervisor, very energetic, appointed Manager NCR Hong Kong. However, en-route to Hong Kong met a big toy importer, joined forces and made his base Ireland.

In those days Education Department was in Greenford, customer and support staff being booked in one or more London hotels and bussed to the daily classes. An outstanding Instructor in Greenford was Roy Gardner with his Wired Machine Course (Accounting machines or even adding machines connected to tape punches or card punches, clever stuff!). Roy later became a salesman in the Banking Division.

Greenford provided the most professional training, but the Centre was transferred to Dundee Training Centre with its own accommodation facilities and attracting Government grants. However, Dundee was not popular with customers...they really wanted the London night life!

Systems support was spread around the offices, mainly : Edinburgh, Leeds, Sheffield, Manchester, Liverpool, Birmingham, Bristol and Head Office.

I transferred to Manchester as a Head of Support, the NCR 500 being the main product supported.

The launch of the Century series saw systems support concentrated in offices and grouped between C & I (Commercial and Industrial), Retail, Banking and local authorities.

Initially, I was in C&I Manchester under Chris Christmas, a DM from Sheffield.

Sheldon Office replaced the elderly and very out-dated Birmingham Office and included the further move of Education to Sheldon.

Education never again achieved the superb reputation it enjoyed in Greenford and the backbone of training in professional behaviour by the inspirational Dennis Holden, who sadly left and joined Philips, I think.

Under Chris Christmas, I supported several Local Authorities installing from Rates to the Poll Tax and then from Poll Tax to Council Tax.

The NCR Council Tax was to be developed by an NCR-owned Software House. However part-way through development, the Software House abdicated all responsibility for completing the system. Our MD at the

time was Malcolm Roberts and for whom I had the highest regard, Malcolm gave me responsibility to sort out the resulting problem, together with his total authorities.

Under Chris Christmas I specialised in Retail Systems and worked on-site at the first POS Retail System 255/726 : Co-op SELDA and Project Managed amongst others : ASDA. POS Retail System 280/725 Co-ops Huddersfield, Swansea.

Henry Ross of Retail Sales, Manchester, had a knowledgeable relationship with the Co-op and brought NCR good business.

It was working on Retail Systems, Manchester, that I worked alongside one the most competent and skilled members of retail support : Pam Massey.

To work with the NCR 255/726 rendered inevitable coming in contact with Tom Gruenbaum, a head Office based programmer who supported in equal amounts the 255/726 and the local pub!

I was based in Head Office whilst a Project Manager for the Debenhams POS installation. I still have somewhere a print of which 100 were produced together with a letter

of thanks from their Board for the success of the project.

My last two or three years with NCR, although I worked for a further couple of years on a self-employed basis, was as Project Manager to the FCO, Foreign Office.

A good relationship with the FCO had become badly soured and for the second time Malcolm Roberts gave me the responsibility to sort out the resulting problem, together with his full responsibilities!

I must mention the splendid support I always had in overseas cabling issues from FED Sheldon's Trevor Smith. Trevor loved overseas trips even to one or two of the less secure places. I was shattered when I learnt of Trevor's suicide. Awful.

Theresa McClagan established the Project Management Group and I was fortunate to work for her until the appointment of Louis Prastitis. Theresa was the most intelligent and shrewdest manager I had and I counted myself lucky to have the benefit of her guidance.

Subsequently, Doug Rawkins, from Sales and Sales training, a great Project Manager, took my place.

Noel Shaw

A Celebration of the life and NCR career of Geoff Beaumont

24th May 1926 - 27th January 2019

It was a great honor to know and work with Geoff over many years. Geoff was a real gentleman and a professional and benefited the lives and careers of everyone he came into contact with. I don't believe I ever heard him emit a cross word in all the time I knew him. I can't think of anyone else I can say that about.

A lot of the content of this article comes from Geoff's son Colin who sent me a copy of the service readings and other information on Geoff's life.

The Funeral Service was a celebration of the full, happy and very rewarding 92 years of life that Geoff led, a life led in the loving company of his beloved wife Pauleen, his late brother Leslie, his daughter Janet and son Colin.

Geoff was an outgoing and very much loved husband, dad, granddad, great granddad and much loved friend to everyone who knew him.

Apart from his very large extended family, the service was also well attended by his NCR colleagues. After the service everyone retired to The Woodland Glade where his family had displayed numerous photographs of Geoff's life and a book of condolences that everyone filled in. Unfortunately, at my young age of a mere 71, I have attended far too many funerals in recent years but at Geoff's funeral all his family were really upbeat and it was a genuine celebration of his life more than a mourning of his passing.

I also received a number of messages from some who couldn't attend the service, which I have included at the end of this piece.

Geoff's Story

Geoff was born to parents Frank and Jane on the 24th of May 1926 in Holmfirth.

From school he joined Hopkinsons as an Apprentice Electrical Engineer alongside brother Leslie, not a surprising career option for such a practical and mechanically minded man. Geoff spent much of his free time throughout his life using his hands, whether it was for DIY around the house, making model steam engines or model ships. Geoff had his artistic side, carving pictures in wood, but he had a natural affinity with anything related to engineering. He loved ships, trains and aeroplanes, and the steam engine I mentioned was constructed from scratch. Geoff constructed all the parts himself on a lathe.

The project was " put on ice" for many years as Navy call up duties, getting married, raising a family and doing a challenging full time job intervened. When Geoff finally retired, he retrieved all of the steam engine parts, dusted them off and completed his masterpiece some 50 years later! Colin is now the proud owner, shared I am sure, with his sister Janet!

1953 - Steam Railway Engine Project Commences



At 18 Geoff gained his National Certificate in Engineering, joined the Home Guard and met the girl who was to become his future wife.

On his two years of National Service, Geoff was conscripted to the Royal Navy as and Electrical Artificer, serving aboard the brand new aircraft carrier HMS Theseus. After never having been out of the country before, Geoff undertook a 12 month tour of duty on the ship's maiden voyage, visiting Gibraltar, Suez Canal, Aden, Ceylon, Australia, New Zealand, Malaysia, Singapore, Tasmania, Guadal Canal, Papua New Guinea and Hong Kong.

When he was demobbed in 1948 he returned to Hopkinsons and in 1949 joined the NCR Company as a Mechanical Cash Register Engineer based at the Halifax office. He then proceeded to spend the next 39 years with NCR progressing his career as technology advanced into retail computers, ultimately becoming a Regional Support Field Engineer based in Leeds.

On the 18th of March 1950, Geoff and Pauleen were married at St Paul's Church in Huddersfield.

Geoff loved traveling and after retirement he and Pauline



visited Malaysia, South Africa, Russia, USA, Caribbean and pretty much most countries in Europe. He loved being on ships and cruised regularly, where he would always set his alarm for 6.00am and go out on deck to observe the Captain bringing in the ship safely to port.

Above all Geoff was a family man. In 1988 Geoff would retire after 39 years with NCR, and he loved to see his four grandchildren growing up into responsible adults in the following years. He was generous to all of them, not just financially, but with his time and patience. He was also blessed with having 3 great grandchildren, Sam, Amy and in the final weeks of his life was able to meet and hold his latest great-granddaughter and newest addition to the Beaumont family, Martha.

'A gentleman,' is how Geoff's family describe him. Warm hearted, generous and kind, very considerate and always supportive of others. A very hard working man throughout his life, modest and often self-deprecating, and I quote, 'an all round good guy.'

When I circulated the details of Geoff's funeral I received a number of comments from some who were not able to attend. They all had one word in common 'gentleman'.

Dick Sale worked most closely with Geoff and comments as follows.

Hi, it was with great sadness that I heard of Geoff's passing, he was a great guy and my mentor in the early days when I took up a position in Doncaster as a Retail Team Supervisor, then moving to Leeds in the Regional Help desk.

I had many occasions to work with Geoff in customers such as Hepworths, Comet and Linfood Cash & Carry to name but a few. The machines that we worked on being the 250's 280's and then the real headache machines of the 2140 range which really sorted the engineers from till boys.

A great guy with plenty of time for everyone and always a gentleman in spite of things sometimes going wrong.

He always gave me inspiration and I never forgot the way he motivated people by giving them a pat on the back, knowing it often feels good to the receiver as well as the giver.

Regards,
Dick Sale

Geoff had always been fit and was still driving at 90! He remained in good shape until he became ill just a couple of years ago. He and Pauline were regular attendees at the Fellowship lunches both in Leeds and in the Northwest. He always responded to my invitations but in the last couple of years stating that they were no longer fit enough to make the trip. His updates were eagerly received at the lunches when I gave my after dinner talks.

He will be sadly missed.

Pat Keogh

TRIBUTE TO DAVID GRAHAM

David was initially brought up in London, in a small family with rather aristocratic connections but moved to Edinburgh and was educated at Daniel Stewart's College. He started working with the National Bank of Scotland, which later became RBS, but banking did not suit him, and he joined NCR as an engineer around 1959.

David worked firstly in Retail and then on adding machines, Computronic and NCR31 and was known as a very careful and meticulous engineer; indeed, he was later known as "Flash"; perhaps he was not the quickest at completing jobs. He took early retirement after more than 30 years with the company.

In his private life, he was frugal and a bit of a collector - adding machines, video recorders, meters etc. - but was always generous in terms of his time and others' use of his equipment. David was a bit eccentric, but one of the good guys; he met up with former colleagues every week and was a regular attender of the NCR retirement lunches.

Maintaining contact with his NCR friends and colleagues was obviously important to David and his bequest of £1,000 to the Fellowship in his will was his way of helping to support the Fellowship going forward. He will be remembered for his generosity.

DECEASED FORMER NCR EMPLOYEES

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

Fellowship Members

AF Ludlam	24.12.18	Region 2E
JE Hunt	17.01.19	Region 4
G Beaumont	27.01.19	Region 2E
Ms P Wilson	31.01.19	Region 8
BC Latham	02.02.19	Region 2W
JL Munday	09.03.19	Region 4
N Bowen	24.05.19	Region 4
R Packer	unknown	Region 4

Other Deceased Pensioners

SP Amar	11.11.18
AJ Polhill	20.12.18
NW Stockton	28.12.18
JG Insley	07.01.19
PL Watson	28.01.19
GC Millar	28.01.19
LG Tuppen	11.02.19
B Woodley	22.02.19
AJ Ketchen	25.02.19
JC Jessop	01.03.19
Ms P Banks	03.03.19
Ms V Irish	04.03.19
TW Miller	07.03.19
AF Ponto	21.03.19
E Alexander	30.03.19

Unfortunately, PIC do not give us any more detail than this so we appreciate that it can be difficult to identify individuals (especially non-Fellowship members) from the information given.



Presentation of the Army and Navy "E" present was an impressive occasion for employees of the Allen-Walker Adding Machine Corporation.



Award presentation by the "E" award committee, were held in order. Capt. R. W. Chisholm, USN; Professor Doctor S. Kimball; Col. Frank J. Arnold, USA; SP J. Williams, President, Allen-Walker Corp.; W. G. Fisher, USN; Edna Clement and K. Helen Griffin.



Four members of the WJWC award committee. They are, left to right: Lynn Whited, Marylene Macron, Gerry Fisher and Elsie Miller.

Army and Navy "E" AWARDED ITHACA PLANT

Employees Commended for High Quality of Workmanship in Manufacture of Bomb Fuzes

On November 1, Allen-Wales was presented with the Army and Navy "E" Award. The presentation took place in the newly remodeled offices on the second floor and was attended by the entire organization. Col. Frank J. Arwood, Chief of the Rochester Ordnance District, made the award. He gave the organization the credit for low percentage dud bombs dropped over Germany and commended us for the thousands of bomb fuzes, and praised suggestions which have led to improvements. He also made reference to the manufacture of their primers and component parts (or time fuzes, .50-caliber machine guns, bombights, automatic pistols and .30-caliber carbines.

The award was accepted by W. J. Pickering, president of the Corporation, and Donald J. O'Connor, representing the employees, from Capt. B. W. Chippendale, commanding officer of the Naval Training School at Cornell. Executives and employees were represented by Walter N. Brand, vice-president and works manager; R. G. Fowler, assistant works manager; Albert C.

Memories of Sheldon

In the last issue of PostScript there was a report of the ex-Sheldon office being turned into apartments. I remember the Sheldon office well. The Education Department was the first to move in: we had burst the seams of the top floor at 206 Marylebone Road. Sheldon became available when the builders went bust in the mini-depression of 1980.

We organised several trips for Education folk to explore the delights of Solihull, Hampton in Arden, Sutton Coldfield and Dorridge: some of the team moved house to work in the new offices, and we also recruited new instructors and administrators.

Many names come to mind: Graham Brookman (current PostScript editor), Rosemarie Fanaken, Ian Davidson (whose photo also appears in the January edition of PostScript), Doug Rawkins, Vic Davies, and Phil Hardiman. There was also the husband and wife team Chris and Sandy Jones (CASE supervisor and course booker respectively). Other instructors included Michael Organe and Brian Feldman. Our admin. manager was the redoubtable Anne Woods, who moved from the Leicester office to keep us in order. I'm sure other names will spring to Fellowship members' minds.

My amazing secretary (yes, managers had secretaries in those days) was Wendy Minshaw, who combined diplomacy and strictness, and supported me and the Department with great skill. Wendy played the flute, and her husband Peter was a keen guitarist. I wrote a piece for them, which they played in the local pantomime – I have no idea how they fitted it in.

One happy day, we realised that the team included Sandy, Mandy, Trudy and Wendy. We considered going for the full set, but quickly abandoned the idea.

It was a good time to be in NCR and in Sheldon. I moved back to Head Office (to work alongside Postscript Editor Emeritus Geoff Jackson), but always missed the special pleasure of working at Sheldon.

David Collins

Director of Education (1977 – 85).



Porous Rubber Stamps

For the last few years, at Christmas, my daughter has managed to get me a present related to NCR: this year was no exception.

In the past I have had gifts ranging from Mugs to 'National Cash Register' cushions for my office.

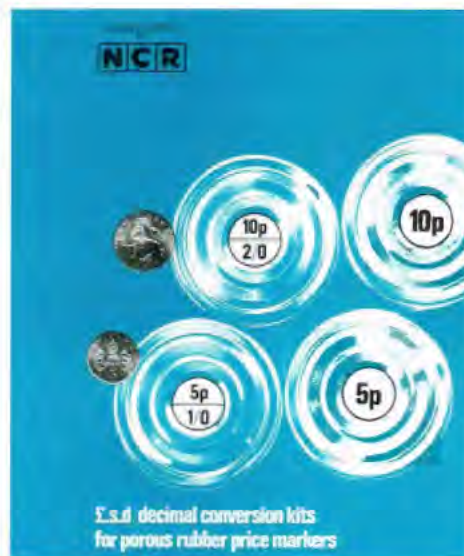
My present this year was in a well wrapped Christmas Gift box measuring 16" x 10". I couldn't imagine what NCR product would fit into a box this size. After several minutes of removing paper and cardboard I discover a full set of pre-decimal currency, porous rubber, sterling price-marking stamps.

I remembered these very well especially the ink which we 'technicians' sold and delivered along with ink ribbons from the many NCR centres around the country. It was always said that you could tell a CRD technician from an AMD man because the CRD Technicians had blue hands.

Rubber stamps and ink pads had been sold by the Supplies Division for several years. In June 1949 it was reported that the Company's activity in connection with Self Service in this country has resulted in the addition of a new line, carried as a stock item, by the Supplies Division. This takes the form of a merchandise marking outfit made up of rubber stamps for both pricing and points marking, stamp pads, and ink having special properties which make it not only quick drying but suitable for use on surfaces like cellophane, porcelain, metal and glass. Orders have already started to come in for these sets.

A check through my record collection showed that NCR's porous-rubber stamps were sold under the name N.P.R (No Pad Required) 'Easystamp': "The stamp for which every Trade and Business has a use". A product of the NCR Research & Development Laboratories.

The catalogue 'NCR Porous Rubber Stamps' in my archive has eight pages of examples of these stamps of different sizes and designs for stamps which could be provided with a choice of purple, red or blue ink.



One surprise from my collection was a brochure for a decimal conversion kit for the price markers something that I had not been aware of before. The kit came in two stages, firstly to both sterling and decimal values and then to decimal only.

NCR Research and Development Laboratories had been researching porous rubber as long ago as the late 1930s which resulted in a patent submission in June 1940 which was granted as Patent US2318465A in May 1943. Patent US2620731 for hand Price Marker stamps, was filed in March 1950 and granted in December 1952. Altogether about 67 patents were taken out in the USA of which over half were extended to cover Great Britain.

In January 1955 Mr. P. A. Brown, Director and Assistant Manager of the British Organisation, had recently returned from a trip to the U.S.A. and he had much to tell of developments particularly in the Self-Service field-in that country. One of the biggest developments, he said, was Self-Service shopping centres outside the cities, where the congestion and parking problems have caused the American shopper to look elsewhere than the city centre for her needs. He spoke of his trip to Dayton, of National's porous rubber self-inking stamp and of carbonless paper.

At the Regional Sales Conventions in 1956 "Looking Ahead" was a talk by Mr. Poil and it dealt with the problems of machine supply and presented key plans of new models which it is hoped will be available this year. Mr. Brown also spoke on N.C.R.'s No Carbon Required Paper and also showed a set of porous rubber price-marking stamps recently manufactured in England. He said a considerable number of these sets have now been produced and delivered to Self-Service users. He also gave a talk on "Price Labelling"-its importance to the Self-Service user and the problems entailed.

By the following year Porous Rubber Stamps had become a major product line and at the Accounting and Adding Machine Division's convention in London on January 4th it was announced that, "our development of porous rubber stamps has brought us into the position of being the largest producer of rubber stamps in the world".

Ian Ormerod

Article from *The Courier and Advertiser (Dundee)* published on 1st March 2019, written by their journalist, Rob Maclaren and sent in by Neil Bathie (Region 1)

Man who helped to turn city into ATM powerhouse given honour

Former factory boss Jim Adamson immortalised with unveiling of portrait at firm's premises



Jim Adamson with his portrait

The man who led the transformation of NCR in Dundee into an ATM powerhouse envied around the world has been immortalised with a new portrait within the city premises.

When Jim Adamson was appointed head of NCR Dundee in 1979, the business producing mechanical cash registers was in decline and he was given six months to turn the factory around.

He immediately wanted to establish an engineering division and struck upon the cash dispenser as the product that could turn the Dundee operation around.

The only problem was NCR's current ATM machine was being designed at the company's headquarters in Dayton, Ohio, and the team there were not about to let its development go to a satellite office on the other side of the world.



NCR Banking president Frank D'Angelo, left, with Jim Adamson at the centre.

Mr Adamson had no money in his budget for engineers either – but that didn't stop him.

He said "From square one I wanted a development organisation in Dundee and the first thing to do was to find a product.

"There was a product in the wings called an ATM but it was a mess and it would have been impossible to wrestle it from headquarters".

"I found a way to free up some money by paying our suppliers in 30 days but turning the product around in 20 days.

"I only had to turn the money over to the corporation quarterly so, with the free money, I set up the engineering division. We set out to see what we in Dundee could do to the ATM to make it so much better.

"We focused on quality and delivery and it got to the point that customers were asking for an ATM that had been made in Dundee rather than in Ohio.

"Eventually, my boss in America said to me to take the product."

After a fast-track engineering programme in Dundee the 5070 ATM was unveiled in 1984 and became the most successful product in NCR's history.

Three years later NCR reached the milestone of 50,000 ATMs built in Dundee, which was regarded as the best factory in Britain.

"It was a great business and the people in Dundee were absolutely fantastic," Mr Adamson added.

"When I retired around 20 years ago, we were producing





artist Joanna Craig with her piece

more cash for the company than all the other divisions put together."

NCR Dundee has invested in a new display telling the history of the company in the city which it will show to visitors at its Discovery Centre at Fulton Road.

It features five new works of art by Tayside artists, one of which is a huge portrait of Mr Adamson composed by Michael Corr.

Mr Adamson was unaware of the accolade when he returned to NCR yesterday.

Admiring the work, he said "He's better looking than me, younger looking than me and with more hair, so I like it".

The other artists who have created work are Pamela Scott, Monty Nero, Joanna Craig and KRYME.

My NCR Experience by Roger Fearnside

(Sub-titled - Ode to the '100 Class' Cash Register)

Having left school in 1965, I joined The National Cash Register Company in Leeds as a trainee technician. I hadn't done very well at school, but I was adept with all things mechanical. I have written this brief article in appreciation of the opportunity and career afforded me by NCR.

Leeds office was then in North Street before moving to the Ring Road at West Park in 1967. I was introduced to people who were to greatly influence my career in all things technical, **Bill Beattie**, the brothers **Jack & Eric Hairyes**, and **Jim Batchelor** to name but a few.

I was attached to the Cash Register Division, and spent my first year based at Lewis's Department Store in Leeds as part of a small group of resident engineers looking after the hundreds of Cash Registers in the store. Following this grounding I took formal Cash Register Training at the Brent Technical School and progressed to having my own territory.

So, armed with my Ford Anglia Van I hit the road. I felt very lucky to be working mostly in the very beautiful Yorkshire Dales and it wasn't long before I also started to benefit greatly from the 'get rich quick' opportunity of decimalisation in 1971.

Many of the problems I encountered were 'The cash register isn't adding up properly'. This usually meant that the till was mysteriously 'short'. One had to prove the till's correctness against the possibility of 'light fingered staff'.

A few light-hearted instances come to mind.

Called to a small newsagents in Shipley, West Yorkshire, I was told that the till (a '100 class') was constantly short. As it had a printer, and the manager had kept the till rolls for a couple of days, I decided to take the rolls away for checking on another machine. This would prove the till's viability. I manually tested the '100 class' for obvious errors, and I told the manager I'd be back in 2 or 3 days. On returning I noticed the manager had his assistant with him. I told him that I had run his till rolls on another machine and found

no fault. As soon as I informed the manager of this fact, a policeman jumped into the shop from behind a curtain, grabbed the assistant, and marched him off down to the police station. I don't know what became of him. These were the days before everyone had a lawyer.

On another occasion I was called to a pub in Ilkley that had several '100 class' tills that didn't have printers. The licensee and his wife ran the pub together with a manager who they'd taken on a few years before, and lived with them at the pub. Again, the tills were short. As there were no printers, all I could do was test the tills manually. No faults showed up.

I told the licensee to swap the tills around the bars, and if the shortages stayed in the same bar with the different till, then the tills would be proved OK. I returned a week later to find that there was no conclusion. Again, I retested the tills, and said I would call back on the Saturday morning. My revisit ensued to find the licensee and his wife distraught. Their manager had been killed in a road accident the night before, and would I please postpone my visit for a couple of weeks! On my subsequent return, I was told there had been no further errors with the tills since I was last there, and there was no further need for my services. He didn't seem to conclude the obvious reason for the shortages, and I didn't have the heart to tell him!

Unfortunately, the simplistic days of the very basic '100 Class' Cash Register, with or without a printer, were overtaken by the advancement of electronics. I subsequently received further training on a variety of electronic equipment and was able to embrace the digital world and have a long and varied career in I.T.

I have a lot to thank NCR for, and have very fond memories of the time there and the colleagues and friends I've met. I still meet up with my friends at the NCR Fellowship lunches and other local gatherings.

Roger Fearnside

The NCR Fellowship

PRESIDENT:
Stephen Swinbank

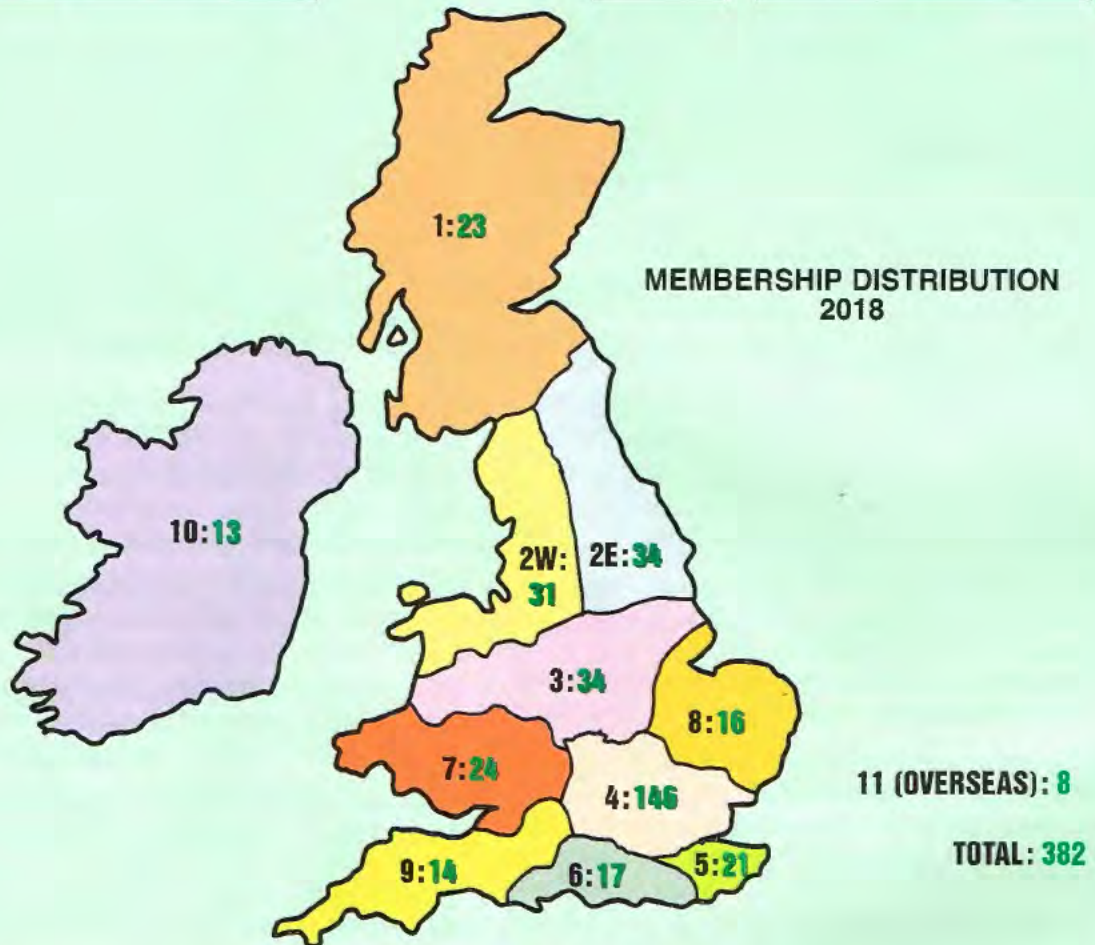
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